

SERIES	PART NUMBER	DESCRIPTION	1PC	2-10PCS	11-25PCS	26+ PCS
04	04-1095	LB-220-4 MULTI-REACH BORING TOOL	58.20	55.96	53.72	51.48
04	04-1095-C	LB-220-4 MULTI-REACH ALTIN COATED BORING TOOL	64.07	61.84	59.60	57.36
04	04-1100	LB-280-4 MULTI-REACH BORING TOOL	58.20	55.96	53.72	51.48
04	04-1100-C	LB-280-4 MULTI-REACH ALTIN COATED BORING TOOL	64.07	61.84	59.60	57.36
04	04-1110	LB-350-4 MULTI-REACH BORING TOOL	69.50	66.83	64.16	61.49
04	04-1110-C	LB-350-4 MULTI-REACH ALTIN COATED BORING TOOL	78.91	76.23	73.57	70.89
04	04-1120	LB-420-6 MULTI-REACH BORING TOOL	84.28	81.03	77.80	74.55
04	04-1120-C	LB-420-6 MULTI-REACH ALTIN COATED BORING TOOL	98.41	95.17	91.93	88.70
04	04-1130	LB-560-6 MULTI-REACH BORING TOOL	118.02	113.49	108.94	104.41
04	04-1130-C	LB-560-6 MULTI-REACH ALTIN COATED BORING TOOL	134.49	129.95	125.41	120.88
04	04-1140	LB-700-6 MULTI-REACH BORING TOOL	159.89	153.75	147.58	141.44
04	04-1140-C	LB-700-6 MULTI-REACH ALTIN COATED BORING TOOL	179.30	173.15	166.93	160.84
06	06-1200	LG-310-032 MULTI-REACH GROOVE TOOL	62.05	59.66	57.28	54.89
06	06-1200-C	LG-310-032 MULTI-REACH GROOVE TOOL	67.91	65.53	63.15	60.76
06	06-1205	LG-310-063 MULTI-REACH GROOVE TOOL	62.05	59.66	57.28	54.89
06	06-1205-C	LG-310-063 MULTI-REACH GROOVE TOOL	67.91	65.53	63.15	60.76
06	06-1210	LG-310-094 MULTI-REACH GROOVE TOOL	62.05	59.66	57.28	54.89
06	06-1210-C	LG-310-094 MULTI-REACH GROOVE TOOL	67.91	65.53	63.15	60.76
06	06-1215	LG-310-125 MULTI-REACH GROOVE TOOL	62.05	59.66	57.28	54.89
06	06-1215-C	LG-310-125 MULTI-REACH GROOVE TOOL	67.91	65.53	63.15	60.76
06	06-1220	LG-390-032 MULTI-REACH GROOVE TOOL	77.83	74.84	71.84	68.84
06	06-1220-C	LG-390-032 MULTI-REACH GROOVE TOOL	87.23	84.25	81.25	78.25
06	06-1225	LG-390-063 MULTI-REACH GROOVE TOOL	77.83	74.84	71.84	68.84
06	06-1225-C	LG-390-063 MULTI-REACH GROOVE TOOL	87.23	84.25	81.25	78.25
06	06-1230	LG-390-094 MULTI-REACH GROOVE TOOL	77.83	74.84	71.84	68.84
06	06-1230-C	LG-390-094 MULTI-REACH GROOVE TOOL	87.23	84.25	81.25	78.25
06	06-1235	LG-390-125 MULTI-REACH GROOVE TOOL	77.83	74.84	71.84	68.84
06	06-1235-C	LG-390-125 MULTI-REACH GROOVE TOOL	87.23	84.25	81.25	78.25
06	06-1240	LG-475-032 MULTI-REACH GROOVE TOOL	88.68	85.27	81.87	78.45
06	06-1240-C	LG-475-032 MULTI-REACH GROOVE TOOL	102.82	99.42	96.00	92.58
06	06-1245	LG-475-063 MULTI-REACH GROOVE TOOL	88.68	85.27	81.87	78.45
06	06-1245-C	LG-475-063 MULTI-REACH GROOVE TOOL	102.82	99.42	96.00	92.58
06	06-1250	LG-475-094 MULTI-REACH GROOVE TOOL	88.68	85.27	81.87	78.45
06	06-1250-C	LG-475-094 MULTI-REACH GROOVE TOOL	102.82	99.42	96.00	92.58
06	06-1255	LG-475-125 MULTI-REACH GROOVE TOOL	88.68	85.27	81.87	78.45
06	06-1255-C	LG-475-125 MULTI-REACH GROOVE TOOL	102.82	99.42	96.00	92.58
06	06-1260	LG-620-032 MULTI-REACH GROOVE TOOL	122.56	117.84	113.12	108.42

06	06-1260-C	LG-620-032 MULTI-REACH GROOVE TOOL	139.02	134.31	129.60	123.76
06	06-1265	LG-620-063 MULTI-REACH GROOVE TOOL	122.56	117.84	113.12	108.42
06	06-1265-C	LG-620-063 MULTI-REACH GROOVE TOOL	139.02	134.31	129.60	123.76
06	06-1270	LG-620-094 MULTI-REACH GROOVE TOOL	122.56	117.84	113.12	108.42
06	06-1270-C	LG-620-094 MULTI-REACH GROOVE TOOL	139.02	134.31	129.60	123.76
06	06-1275	LG-620-125 MULTI-REACH GROOVE TOOL	122.56	117.84	113.12	108.42
06	06-1275-C	LG-620-125 MULTI-REACH GROOVE TOOL	139.02	134.31	129.60	123.76
08	08-1500	LT-310-4 MULTI-REACH THREADING TOOL	63.09	60.67	58.24	55.81
08	08-1500-C	LT-310-4 MULTI-REACH THREADING TOOL	68.96	66.54	64.12	61.68
08	08-1505	LT-375-4 MULTI-REACH THREADING TOOL	77.43	74.45	71.48	68.51
08	08-1505-C	LT-375-4 MULTI-REACH THREADING TOOL	86.84	83.86	80.89	77.91
08	08-1510	LT-460-6 MULTI-REACH THREADING TOOL	87.75	84.38	81.00	77.63
08	08-1510-C	LT-460-6 MULTI-REACH THREADING TOOL	101.89	98.51	95.14	91.76
08	08-1515	LT-610-6 MULTI-REACH THREADING TOOL	121.73	117.05	112.37	107.68
08	08-1515-C	LT-610-6 MULTI-REACH THREADING TOOL	138.20	133.52	128.83	124.15
08	08-1520	LT-750-6 MULTI-REACH THREADING TOOL	163.85	157.55	151.25	144.93
08	08-1520-C	LT-750-6 MULTI-REACH THREADING TOOL	182.47	176.95	170.65	164.34
09	09-1400	LP-360-4 MULTI-REACH PROFILE TOOL	67.90	65.29	62.68	60.07
09	09-1400-C	LP-360-4 MULTI-REACH PROFILE TOOL	73.78	71.16	68.55	65.93
09	09-1405	LP-420-4 MULTI-REACH PROFILE TOOL	82.08	78.92	75.77	72.61
09	09-1405-C	LP-420-4 MULTI-REACH PROFILE TOOL	91.48	88.32	85.17	82.02
09	09-1410	LP-480-6 MULTI-REACH PROFILE TOOL	91.37	87.86	84.34	80.83
09	09-1410-C	LP-480-6 MULTI-REACH PROFILE TOOL	105.51	102.01	98.48	94.98
09	09-1415	LP-615-6 MULTI-REACH PROFILE TOOL	126.62	121.76	116.89	112.01
09	09-1415-C	LP-615-6 MULTI-REACH PROFILE TOOL	136.77	131.90	127.02	122.16
09	09-1420	LP-750-6 MULTI-REACH PROFILE TOOL	166.76	160.35	153.93	147.52
09	09-1420-C	LP-740-6 MULTI-REACH PROFILE TOOL	186.16	179.75	173.37	166.92
10	10-1000	.050 X .150 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1000-A	.050 X .150 ALTIM BORING TOOL	22.93	22.10	21.29	20.46
10	10-1000-LH	B-050-150-LH .050 X .150 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1000-R	.050 X .150 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1000-R-A	.050 X .150 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1000-R-T	.050 X .150 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1000-T	.050 X .150 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1005	.050 X .200 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1005-A	.050 X .200 BORING TOOL	22.93	22.10	21.29	20.46
10	10-1005-LH	B-050-200-LH .050 X .200 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1005-R	.050 X .200 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50

10	10-1005-R-A	.050 X .200 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1005-R-T	.050 X .200 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1005-T	.050 X .200 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1010	.050 X .300 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1010-A	.050 X .300 ALTIM BORING TOOL	22.93	22.10	21.29	20.46
10	10-1010-LH	B-050-300-LH .050 X .300 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1010-R	.050 X .300 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1010-R-A	.050 X .300 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1010-R-T	.050 X .300 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1010-T	.050 X .300 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1015	.050 X .400 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1015-A	.050 X .400 ALTIM BORING TOOL	22.93	22.10	21.29	20.46
10	10-1015-LH	B-050-400-LH .050 X .400 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1015-R	.050 X .400 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1015-R-A	.050 X .400 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1015-R-T	.050 X .400 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1015-T	.050 X .400 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1020	.060 X .150 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1020-A	.060 X .150 ALTIM BORING TOOL	22.93	22.10	21.29	20.46
10	10-1020-LH	.060 X .150 L.H. BORING TOOL	21.34	20.51	19.70	18.87
10	10-1020-R	.060 X .150 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1020-R-A	.060 X .150 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1020-R-T	.060 X .150 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1020-T	.060 X .150 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1025	.060 X .200 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1025-A	.060 X .200 ALTIM BORING TOOL	22.93	22.10	21.29	20.46
10	10-1025-LH	B-060-200-LH .060 X .200 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1025-R	.060 X .200 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1025-R-A	.060 X .200 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1025-R-T	.060 X .200 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1025-T	.060 X .200 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1030	.060 X .300 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1030-A	.060 X .300 ALTIM BORING TOOL	22.93	22.10	21.29	20.46
10	10-1030-LH	B-060-300-LH .060 X .300 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1030-R	.060 X .300 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1030-R-A	.060 X .300 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1030-R-T	.060 X .300 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1030-T	.060 X .300 TIN BORING TOOL	22.93	22.10	21.29	20.46

10	10-1035	.060 X .400 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1035-A	.060 X .400 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1035-LH	B-060-400-LH .060 X .400 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1035-R	.060 X .400 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1035-R-A	.060 X .400 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1035-R-T	.060 X .400 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1035-T	.060 X .400 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1040	.060 X .500 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1040-A	.060 X .500 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1040-LH	B-060-500-LH .060 X .500 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1040-R	.060 X .500 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1040-R-A	.060 X .500 ALTIN BORING TOOL WITH RADIUS	24.12	23.72	22.91	22.09
10	10-1040-R-T	.060 X .500 TIN BORING TOOL WITH RADIUS	24.12	23.72	22.91	22.09
10	10-1040-T	.060 X .500 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1045	.080 X .150 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1045-A	.080 X .150 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1045-LH	.080 X .150 L.H. BORING TOOL	21.34	20.51	19.70	18.87
10	10-1045-R	.080 X .150 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1045-R-A	.080 X .150 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1045-R-T	.080 X .150 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1045-T	.080 X .150 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1050	.080 X .200 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1050-A	.080 X .200 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1050-LH	B-080-200-LH .080 X .200 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1050-R	.080 X .200 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1050-R-A	.080 X .200 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1050-R-T	.080 X .200 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1050-T	.080 X .200 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1055	.080 X .300 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1055-A	.080 X .300 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1055-LH	B-080-300-LH .080 X .300 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1055-R	.080 X .300 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1055-R-A	.080 X .300 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1055-R-T	.080 X .300 TIN BORING TOOL WITH RADIUS	24.12	23.72	22.91	22.09
10	10-1055-T	.080 X .300 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1060	.080 X .400 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1060-A	.080 X .400 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1060-LH	B-080-400-LH .080 X .400 BORING TOOL	21.34	20.51	19.70	18.87

10	10-1060-R	.080 X .400 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1060-R-A	.080 X .400 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1060-R-T	.080 X .400 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1060-T	.080 X .400 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1065	.080 X .500 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1065-A	.080 X .500 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1065-LH	B-080-500-LH .080 X .500 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1065-R	.080 X .500 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1065-R-A	.080 X .500 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	23.72	22.91
10	10-1065-R-T	.080 X .500 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1065-T	.080 X .500 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1070	.080 X .600 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1070-A	.080 X .600 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1070-LH	B-080-600-LH .080 X .600 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1070-R	.080 X .600 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1070-R-A	.080 X .600 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1070-R-T	.080 X .600 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1070-T	.080 X .600 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1075	.100 X .150 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1075-A	.100 X .150 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1075-LH	B-100-150-LH .100 X .150 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1075-R	.100 X .150 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1075-R-A	.100 X .150 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1075-R-T	.100 X .150 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1075-T	.100 X .150 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1080	.100 X .200 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1080-A	.100 X .200 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1080-LH	B-100-200-LH .100 X .200 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1080-R	.100 X .200 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1080-R-A	.100 X .200 ALTIN BORING TOOL WITH RADIUS	22.93	23.72	22.91	22.09
10	10-1080-R-T	.100 X .200 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1080-T	.100 X .200 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1085	.100 X .300 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1085-A	.100 X .300 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1085-LH	.100 X .300 L.H. BORING TOOL	21.34	20.51	19.70	18.87
10	10-1085-R	.100 X .300 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1085-R-A	.100 X .300 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1085-R-T	.100 X .300 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09

10	10-1085-T	.100 X .300 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1090	.100 X .400 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1090-A	.100 X .400 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1090-LH	B-100-400-LH .100 X .400 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1090-R	.100 X .400 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1090-R-A	.100 X .400 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1090-R-T	.100 X .400 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1090-T	.100 X .400 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1095	.100 X .500 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1095-A	.100 X .500 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1095-LH	B-100-500-LH .100 X .500 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1095-R	.100 X .500 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1095-R-A	.100 X .500 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1095-R-T	.100 X .500 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1095-T	.100 X .500 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1100	.100 X .600 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1100-A	.100 X .600 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1100-LH	B-100-600-LH .100 X .600 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1100-R	.100 X .600 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1100-R-A	.100 X .600 ALTIN BORING TOOL WITH RADIUS	22.93	23.72	22.91	22.09
10	10-1100-R-T	.100 X .600 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1100-T	.100 X .600 TIN BORING TOOL	23.04	22.10	21.29	20.46
10	10-1105	.100 X .700 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1105-A	.100 X .700 ALTIN BORING TOOL	23.04	22.10	21.29	20.46
10	10-1105-LH	B-100-700-LH .100 X .700 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1105-R	.100 X .700 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1105-R-A	.100 X .700 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1105-R-T	.100 X .700 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1105-T	.100 X .700 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1110	.110 X .150 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1110-A	.110 X .150 ALTIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1110-LH	B-110-150-LH .110 X .150 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1110-R	.110 X .150 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1110-R-A	.110 X .150 ALTIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1110-R-T	.110 X .150 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1110-T	.110 X .150 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1115	.110 X .200 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1115-A	.110 X .200 ALTIN BORING TOOL	22.93	22.10	21.29	20.46

10	10-1115-LH	B-110-200-LH .110 X .200 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1115-R	.110 X .200 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1115-R-A	.110 X .200 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1115-R-T	.110 X .200 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1115-T	.110 X .200 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1120	.110 X .300 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1120-A	.110 X .300 ALTIM BORING TOOL	22.93	22.10	21.29	20.46
10	10-1120-LH	B-110-300-LH .110 X .300 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1120-R	.110 X .300 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1120-R-A	.110 X .300 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1120-R-T	.110 X .300 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1120-T	.110 X .300 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1125	.110 X .400 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1125-A	.110 X .400 ALTIM BORING TOOL	22.93	22.10	21.29	20.46
10	10-1125-LH	B-110-400-LH .110 X .400 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1125-R	.110 X .400 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1125-R-A	.110 X .400 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1125-R-T	.110 X .400 TIN BORING TOOL WITH RADIUS	24.01	23.72	19.47	22.09
10	10-1125-T	.110 X .400 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1130	.110 X .500 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1130-A	.110 X .500 ALTIM BORING TOOL	22.93	22.10	21.29	20.46
10	10-1130-LH	B-110-500-LH .110 X .500 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1130-R	.110 X .500 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1130-R-A	.110 X .500 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1130-R-T	.110 X .500 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1130-T	.110 X .500 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1135	.110 X .600 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1135-A	.110 X .600 ALTIM BORING TOOL	22.93	22.10	21.29	20.46
10	10-1135-LH	B-110-600-LH .110 X .600 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1135-R	.110 X .600 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1135-R-A	.110 X .600 ALTIM BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1135-R-T	.110 X .600 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1135-T	.110 X .600 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1140	.110 X .700 BORING TOOL	21.34	20.51	19.70	18.87
10	10-1140-A	.110 X .700 ALTIM BORING TOOL	22.93	22.10	21.29	20.46
10	10-1140-LH	.110 X .700 L.H. BORING TOOL	21.34	20.51	19.70	18.87
10	10-1140-R	.110 X .700 BORING TOOL WITH RADIUS	22.96	22.13	21.32	20.50
10	10-1140-R-A	.110 X .700 ALTIM BORING TOOL WITH RADIUS	24.01	22.75	22.91	22.09

10	10-1140-R-T	.110 X .700 TIN BORING TOOL WITH RADIUS	24.01	23.72	22.91	22.09
10	10-1140-T	.110 X .700 TIN BORING TOOL	22.93	22.10	21.29	20.46
10	10-1145	.120 X .250 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1145-A	.120 X .250 ALTIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1145-LH	B-120-250-LH .120 X .250 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1145-R	.120 X .250 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1145-R-A	.120 X .250 ALTIN BORING TOOL WITH RADIUS	26.75	25.87	25.01	24.12
10	10-1145-R-T	.120 X .250 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.01	24.12
10	10-1145-T	.120 X .250 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1150	.120 X .350 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1150-A	.120 X .350 ALTIN BORING TOOL	24.88	24.30	23.43	22.55
10	10-1150-LH	B-120-350-LH .120 X .350 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1150-R	.120 X .350 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1150-R-A	.120 X .350 ALTIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1150-R-T	.120 X .350 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1150-T	.120 X .350 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1155	.120 X .500 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1155-A	.120 X .500 ALTIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1155-LH	B-120-500-LH .120 X .500 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1155-R	.120 X .500 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1155-R-A	.120 X .500 ALTIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1155-R-T	.120 X .500 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1155-T	.120 X .500 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1160	.120 X .600 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1160-A	.120 X .600 ALTIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1160-LH	B-120-600-LH .120 X .600 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1160-R	.120 X .600 BORING TOOL WITH RADIUS	24.43	23.02	22.68	21.81
10	10-1160-R-A	.120 X .600 ALTIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1160-R-T	.120 X .600 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1160-T	.120 X .600 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1165	.120 X .700 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1165-A	.120 X .700 ALTIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1165-LH	B-120-700-LH .120 X .700 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1165-R	.120 X .700 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1165-R-A	.120 X .700 ALTIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1165-R-T	.120 X .700 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1165-T	.120 X .700 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1170	.120 X .800 BORING TOOL	22.87	21.99	21.11	20.24

10	10-1170-A	.120 X .800 ALTIM BORING TOOL	25.18	24.30	23.43	22.55
10	10-1170-LH	B-120-800-LH .120 X .800 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1170-R	.120 X .800 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1170-R-A	.120 X .800 ALTIM BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1170-R-T	.120 X .800 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1170-T	.120 X .800 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1175	.140 X .250 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1175-A	.140 X .250 ALTIM BORING TOOL	25.18	24.30	23.43	22.55
10	10-1175-LH	B-140-250-LH .140 X .250 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1175-R	.140 X .250 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1175-R-A	.140 X .250 ALTIM BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1175-R-T	.140 X .250 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1175-T	.140 X .250 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1180	.140 X .400 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1180-A	.140 X .400 ALTIM BORING TOOL	25.18	24.30	23.43	22.55
10	10-1180-LH	B-140-400-LH .140 X .400 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1180-R	.140 X .400 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1180-R-A	.140 X .400 ALTIM BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1180-R-T	.140 X .400 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1180-T	.140 X .400 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1185	.140 X .500 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1185-A	.140 X .500 ALTIM BORING TOOL	25.18	24.30	23.43	22.55
10	10-1185-LH	.140 X .500 L.H. BORING TOOL	22.87	21.99	21.11	20.24
10	10-1185-R	.140 X .500 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1185-R-A	.140 X .500 ALTIM BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1185-R-T	.140 X .500 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1185-T	.140 X .500 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1190	.140 X .600 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1190-A	.140 X .600 ALTIM BORING TOOL	25.18	24.30	23.43	22.55
10	10-1190-LH	B-140-600-LH .140 X .600 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1190-R	.140 X .600 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1190-R-A	.140 X .600 ALTIM BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1190-R-T	.140 X .600 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1190-T	.140 X .600 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1195	.140 X .700 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1195-A	.140 X .700 ALTIM BORING TOOL	25.18	24.30	23.43	22.55
10	10-1195-LH	B-140-700-LH .140 X .700 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1195-R	.140 X .700 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81

10	10-1195-R-A	.140 X .700 ALTIM BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1195-R-T	.140 X .700 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1195-T	.140 X .700 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1200	.140 X .750 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1200-A	.140 X .750 ALTIM BORING TOOL	25.18	24.30	23.43	22.55
10	10-1200-LH	B-140-750-LH .140 X .750 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1200-R	.140 X .750 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1200-R-A	.140 X .750 ALTIM BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1200-R-T	.140 X .750 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1200-T	.140 X .750 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1205	.140 X .800 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1205-A	.140 X .800 ALTIM BORING TOOL	25.18	24.30	23.43	22.55
10	10-1205-LH	B-140-800-LH .140 X .800 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1205-R	.140 X .800 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1205-R-A	.140 X .800 ALTIM BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1205-R-T	.140 X .800 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1205-T	.140 X .800 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1210	.160 X .250 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1210-A	.160 X .250 ALTIM BORING TOOL	25.18	24.30	23.43	22.55
10	10-1210-LH	.160 X .250 L.H. BORING TOOL	22.87	21.99	21.11	20.24
10	10-1210-R	.160 X .250 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1210-R-A	.160 X .250 ALTIM BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1210-R-T	.160 X .250 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1210-T	.160 X .250 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1215	.160 X .400 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1215-A	.160 X .400 ALTIM BORING TOOL	25.18	24.30	23.43	22.55
10	10-1215-LH	.160 X .400 L.H. BORING TOOL	22.85	21.99	21.11	20.24
10	10-1215-R	.160 X .400 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1215-R-A	.160 X .400 ALTIM BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1215-R-T	.160 X .400 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1215-T	.160 X .400 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1220	.160 X .500 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1220-A	.160 X .500 ALTIM BORING TOOL	25.18	24.30	23.43	22.55
10	10-1220-LH	B-160-500-LH .160 X .500 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1220-R	.160 X .500 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1220-R-A	.160 X .500 ALTIM BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1220-R-T	.160 X .500 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1220-T	.160 X .500 TIN BORING TOOL	25.18	24.30	23.43	22.55

10	10-1225	.160 X .600 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1225-A	.160 X .600 ALTIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1225-LH	B-160-600-LH .160 X .600 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1225-R	.160 X .600 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1225-R-A	.160 X .600 ALTIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1225-R-T	.160 X .600 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1225-T	.160 X .600 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1230	.160 X .750 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1230-A	.160 X .750 ALTIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1230-LH	.160 X .750 L.H. BORING TOOL	22.87	21.99	21.11	20.24
10	10-1230-R	.160 X .750 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1230-R-A	.160 X .750 ALTIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1230-R-T	.160 X .750 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1230-T	.160 X .750 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1235	.160 X .900 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1235-A	.160 X .900 ALTIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1235-LH	B-160-900-LH .160 X .900 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1235-R	.160 X .900 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1235-R-A	.160 X .900 ALTIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1235-R-T	.160 X .900 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1235-T	.160 X .900 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1240	.160 X 1000 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1240-A	.160 X 1000 ALTIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1240-LH	B-160-1000-LH .160 X 1000 BORING TOOL	22.87	21.99	21.11	20.24
10	10-1240-R	.160 X 1.000 BORING TOOL WITH RADIUS	24.43	23.56	22.68	21.81
10	10-1240-R-A	.160 X 1.000 ALTIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1240-R-T	.160 X 1.000 TIN BORING TOOL WITH RADIUS	26.75	25.87	25.00	24.12
10	10-1240-T	.160 X 1000 TIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1245	.180 X .350 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1245-A	.180 X .350 ALTIN BORING TOOL	25.18	24.30	23.43	22.55
10	10-1245-LH	B-180-350-LH .180 X .350 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1245-R	.180 X .350 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1245-R-A	.180 X .350 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1245-R-T	.180 X .350 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1245-T	.180 X .350 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1250	.180 X .500 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1250-A	.180 X .500 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1250-LH	B-180-500-LH .180 X .500 BORING TOOL	24.63	23.68	22.74	21.78

10	10-1250-R	.180 X .500 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1250-R-A	.180 X .500 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1250-R-T	.180 X .500 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1250-T	.180 X .500 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1255	.180 X .600 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1255-A	.180 X .600 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1255-LH	B-180-600-LH .180 X .600 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1255-R	.180 X .600 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1255-R-A	.180 X .600 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1255-R-T	.180 X .600 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1255-T	.180 X .600 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1260	.180 X .750 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1260-A	.180 X .750 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1260-LH	B-180-750-LH .180 X .750 BORING TOOL	24.63	22.59	22.74	21.78
10	10-1260-R	.180 X .750 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1260-R-A	.180 X .750 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1260-R-T	.180 X .750 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1260-T	.180 X .750 TIN BORING TOOL	27.84	27.96	25.95	25.00
10	10-1265	.180 X .900 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1265-A	.180 X .900 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1265-LH	B-180-900-LH .180 X .900 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1265-R	.180 X .900 BORING TOOL WITH RADIUS	26.57	25.41	24.47	23.51
10	10-1265-R-A	.180 X .900 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1265-R-T	.180 X .900 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1265-T	.180 X .900 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1270	.180 X 1000 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1270-A	.180 X 1000 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1270-LH	B-180-1000-LH .180 X 1000 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1270-R	.180 X 1.000 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1270-R-A	.180 X 1.000 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1270-R-T	.180 X 1.000 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1270-T	.180 X 1000 TIN BORING TOOL	27.83	26.89	25.95	25.00
10	10-1275	.180 X 1100 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1275-A	.180 X 1100 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1275-LH	B-180-1100-LH .180 X 1100 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1275-R	.180 X 1.100 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1275-R-A	.180 X 1.100 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1275-R-T	.180 X 1.100 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73

10	10-1275-T	.180 X 1100 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1280	.200 X .400 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1280-A	.200 X .400 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1280-LH	B-200-400-LH .200 X .400 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1280-R	.200 X .400 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1280-R-A	.200 X .400 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1280-R-T	.200 X .400 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1280-T	.200 X .400 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1285	.200 X .500 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1285-A	.200 X .500 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1285-LH	B-200-500-LH .200 X .500 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1285-R	.200 X .500 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1285-R-A	.200 X .500 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1285-R-T	.200 X .500 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1285-T	.200 X .500 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1290	.200 X .600 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1290-A	.200 X .600 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1290-LH	B-200-600 .200 X .600 LEFT HAND BORING TOOL	24.63	23.68	22.74	21.78
10	10-1290-R	.200 X .600 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1290-R-A	.200 X .600 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1290-R-T	.200 X .600 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	27.68
10	10-1290-T	.200 X .600 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1295	.200 X .700 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1295-A	.200 X .700 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1295-LH	.200 X .700 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1295-R	.200 X .700 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1295-R-A	.200 X .700 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1295-R-T	.200 X .700 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1295-T	.200 X .700 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1300	.200 X .800 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1300-A	.200 X .800 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1300-LH	.200 X .800 L.H. BORING TOOL	24.63	23.68	22.74	21.78
10	10-1300-R	.200 X .800 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1300-R-A	.200 X .800 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1300-R-T	.200 X .800 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1300-T	.200 X .800 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1305	.200 X .900 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1305-A	.200 X .900 ALTIN BORING TOOL	27.84	26.89	25.95	25.00

10	10-1305-LH	B-200-900-LH .200 X .900 BORING TOOL	24.63	23.68	22.71	21.78
10	10-1305-R	.200 X .900 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1305-R-A	.200 X .900 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1305-R-T	.200 X .900 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1305-T	.200 X .900 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1310	.200 X 1000 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1310-A	.200 X 1000 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1310-LH	B-200-1000-LH .200 X 1000 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1310-R	.200 X 1.000 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1310-R-A	.200 X 1.000 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1310-R-T	.200 X 1.000 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1310-T	.200 X 1000 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1315	.200 X 1100 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1315-A	.200 X 1100 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1315-LH	B-200-1100-LH .200 X 1100 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1315-R	.200 X 1.100 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1315-R-A	.200 X 1.100 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1315-R-T	.200 X 1.100 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1315-T	.200 X 1100 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1320	.200 X 1200 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1320-A	.200 X 1200 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1320-LH	.200 X 1200 L.H. BORING TOOL	24.63	23.68	22.74	21.78
10	10-1320-R	.200 X 1.200 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1320-R-A	.200 X 1.200 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1320-R-T	.200 X 1.200 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.04	26.73
10	10-1320-T	.200 X 1200 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1325	.200 X 1300 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1325-A	.200 X 1300 ALTIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1325-LH	B-200-1300-LH .200 X 1300 BORING TOOL	24.63	23.68	22.74	21.78
10	10-1325-R	.200 X 1.300 BORING TOOL WITH RADIUS	26.36	25.41	24.47	23.51
10	10-1325-R-A	.200 X 1.300 ALTIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1325-R-T	.200 X 1.300 TIN BORING TOOL WITH RADIUS	29.57	28.62	27.68	26.73
10	10-1325-T	.200 X 1300 TIN BORING TOOL	27.84	26.89	25.95	25.00
10	10-1330	.230 X .400 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1330-A	.230 X .400 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1330-LH	B-230-400-LH .230 X .400 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1330-R	.230 X .400 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1330-R-A	.230 X .400 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93

10	10-1330-R-T	.230 X .400 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1330-T	.230 X .400 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1335	.230 X .500 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1335-A	.230 X .500 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1335-LH	B-230-500-LH .230 X .500 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1335-R	.230 X .500 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1335-R-A	.230 X .500 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1335-R-T	.230 X .500 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1335-T	.230 X .500 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1340	.230 X .600 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1340-A	.230 X .600 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1340-LH	B-230-600-LH .230 X .600 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1340-R	.230 X .600 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1340-R-A	.230 X .600 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1340-R-T	.230 X .600 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1340-T	.230 X .600 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1345	.230 X .700 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1345-A	.230 X .700 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1345-LH	B-230-700-LH .230 X .700 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1345-R	.230 X .700 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1345-R-A	.230 X .700 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1345-R-T	.230 X .700 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1345-T	.230 X .700 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1350	.230 X .800 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1350-A	.230 X .800 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1350-LH	.230 X .800 L.H. BORING TOOL	33.76	32.46	31.17	29.85
10	10-1350-R	.230 X .800 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1350-R-A	.230 X .800 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1350-R-T	.230 X .800 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1350-T	.230 X .800 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1355	.230 X .900 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1355-A	.230 X .900 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1355-LH	B-230-900-LH .230 X .900 BORING TOOL	34.08	32.46	31.17	29.85
10	10-1355-R	.230 X .900 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1355-R-A	.230 X .900 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1355-R-T	.230 X .900 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1355-T	.230 X .900 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1360	.230 X 1000 BORING TOOL	33.76	32.46	31.17	29.85

10	10-1360-A	.230 X 1000 ALTIM BORING TOOL	38.38	37.08	35.79	34.47
10	10-1360-LH	B-230-1000-LH .230 X 1000 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1360-R	.230 X 1.000 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1360-R-A	.230 X 1.000 ALTIM BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1360-R-T	.230 X 1.000 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1360-T	.230 X 1000 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1365	.230 X 1150 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1365-A	.230 X 1150 ALTIM BORING TOOL	38.38	37.08	35.79	34.47
10	10-1365-LH	B-230-1150-LH .230 X 1150 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1365-R	.230 X 1.150 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1365-R-A	.230 X 1.150 ALTIM BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1365-R-T	.230 X 1.150 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1365-T	.230 X 1150 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1370	.230 X 1200 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1370-A	.230 X 1200 ALTIM BORING TOOL	38.38	37.08	35.79	34.47
10	10-1370-LH	B-230-1200-LH .230 X 1200 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1370-R	.230 X 1.200 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1370-R-A	.230 X 1.200 ALTIM BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1370-R-T	.230 X 1.200 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1370-T	.230 X 1200 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1375	.230 X 1250 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1375-A	.230 X 1250 ALTIM BORING TOOL	38.38	37.08	35.79	34.47
10	10-1375-LH	B-230-1250-LH .230 X 1250 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1375-R	.230 X 1.250 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1375-R-A	.230 X 1.250 ALTIM BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1375-R-T	.230 X 1.250 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1375-T	.230 X 1250 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1380	.230 X 1400 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1380-A	.230 X 1400 ALTIM BORING TOOL	38.38	37.08	35.79	34.47
10	10-1380-LH	B-230-1400-LH .230 X 1400 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1380-R	.230 X 1.400 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1380-R-A	.230 X 1.400 ALTIM BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1380-R-T	.230 X 1.400 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1380-T	.230 X 1400 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1385	.230 X 1500 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1385-A	.230 X 1500 ALTIM BORING TOOL	38.38	37.08	35.79	34.47
10	10-1385-LH	B-230-1500-LH .230 X 1500 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1385-R	.230 X 1.500 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31

10	10-1385-R-A	.230 X 1.500 ALTIM BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1385-R-T	.230 X 1.500 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1385-T	.230 X 1500 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1390	.230 X 1600 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1390-A	.230 X 1600 ALTIM BORING TOOL	38.38	37.08	35.79	34.47
10	10-1390-LH	B-230-1600-LH .230 X 1600 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1390-R	.230 X 1.600 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1390-R-A	.230 X 1.600 ALTIM BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1390-R-T	.230 X 1.600 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1390-T	.230 X 1600 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1395	.290 X .500 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1395-A	.290 X .500 ALTIM BORING TOOL	38.38	37.08	35.79	34.47
10	10-1395-LH	B-290-500-LH .290 X .500 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1395-R	.290 X .500 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1395-R-A	.290 X .500 ALTIM BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1395-R-T	.290 X .500 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1395-T	.290 X .500 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1400	.290 X .600 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1400-A	.290 X .600 ALTIM BORING TOOL	38.38	37.08	35.79	34.47
10	10-1400-LH	B-290-600-LH .290 X .600 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1400-R	.290 X .600 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1400-R-A	.290 X .600 ALTIM BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1400-R-T	.290 X .600 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1400-T	.290 X .600 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1405	.290 X .750 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1405-A	.290 X .750 ALTIM BORING TOOL	38.38	37.08	35.79	34.47
10	10-1405-LH	B-290-750-LH .290 X .750 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1405-R	.290 X .750 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1405-R-A	.290 X .750 ALTIM BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1405-R-T	.290 X .750 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1405-T	.290 X .750 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1410	.290 X .900 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1410-A	.290 X .900 ALTIM BORING TOOL	38.38	37.08	35.79	34.47
10	10-1410-LH	.290 X .900 L.H. BORING TOOL	33.76	32.46	31.17	29.85
10	10-1410-R	.290 X .900 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1410-R-A	.290 X .900 ALTIM BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1410-R-T	.290 X .900 TIN BORING TOOL WITH RADIUS	39.80	38.20	37.25	35.93
10	10-1410-T	.290 X .900 TIN BORING TOOL	38.38	37.08	35.79	34.47

10	10-1415	.290 X 1000 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1415-A	.290 X 1000 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1415-LH	.290 X 1000 L.H. BORING TOOL	33.76	32.46	31.17	29.85
10	10-1415-R	.290 X 1.000 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1415-R-A	.290 X 1.000 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1415-R-T	.290 X 1.000 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1415-T	.290 X 1000 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1420	.290 X 1100 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1420-A	.290 X 1100 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1420-LH	B-290-1100-LH .290 X 1100 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1420-R	.290 X 1.100 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1420-R-A	.290 X 1.100 ALTIN BORING TOOL WITH RADIUS	39.83	38.54	37.25	35.93
10	10-1420-R-T	.290 X 1.100 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.21	35.93
10	10-1420-T	.290 X 1100 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1425	.290 X 1250 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1425-A	.290 X 1250 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1425-LH	B-290-1250-LH .290 X 1250 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1425-R	.290 X 1.250 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1425-R-A	.290 X 1.250 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1425-R-T	.290 X 1.250 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1425-T	.290 X 1250 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1430	.290 X 1350 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1430-A	.290 X 1350 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1430-LH	B-290-1350-LH .290 X 1350 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1430-R	.290 X 1.350 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1430-R-A	.290 X 1.350 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.14	35.93
10	10-1430-R-T	.290 X 1.350 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1430-T	.290 X 1350 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1435	.290 X 1500 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1435-A	.290 X 1500 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1435-LH	B-290-1500-LH .290 X 1500 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1435-R	.290 X 1.500 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1435-R-A	.290 X 1.500 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1435-R-T	.290 X 1.500 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1435-T	.290 X 1500 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1440	.290 X 1600 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1440-A	.290 X 1600 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1440-LH	B-290-1600-LH .290 X 1600 BORING TOOL	33.76	32.46	31.17	29.85

10	10-1440-R	.290 X 1.600 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1440-R-A	.290 X 1.600 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1440-R-T	.290 X 1.600 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1440-T	.290 X 1600 TIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1445	.290 X 1750 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1445-A	.290 X 1750 ALTIN BORING TOOL	38.38	37.08	35.79	34.47
10	10-1445-LH	B-290-1750-LH .290 X 1750 BORING TOOL	33.76	32.46	31.17	29.85
10	10-1445-R	.290 X 1.750 BORING TOOL WITH RADIUS	35.22	33.92	32.63	31.31
10	10-1445-R-A	.290 X 1.750 ALTIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1445-R-T	.290 X 1.750 TIN BORING TOOL WITH RADIUS	39.84	38.54	37.25	35.93
10	10-1445-T	.290 X 1750 TIN BORING TOOL	37.86	37.08	35.79	34.47
10	10-1450	.320 X .500 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1450-A	.320 X .500 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1450-LH	B-320-500-LH .320 X .500 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1450-R	.320 X .500 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1450-R-A	.320 X .500 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1450-R-T	.320 X .500 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1450-T	.320 X .500 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1455	.320 X .600 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1455-A	.320 X .600 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1455-LH	B-320-600-LH .320 X .600 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1455-R	.320 X .600 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1455-R-A	.320 X .600 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1455-R-T	.320 X .600 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1455-T	.320 X .600 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1460	.320 X .750 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1460-A	.320 X .750 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1460-LH	B-320-750-LH .320 X .750 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1460-R	.320 X .750 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1460-R-A	.320 X .750 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1460-R-T	.320 X .750 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1460-T	.320 X .750 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1465	.320 X .900 BORING TOOL	47.19	45.38	43.56	42.07
10	10-1465-A	.320 X .900 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1465-LH	B-320-900-LH .320 X .900 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1465-R	.320 X .900 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1465-R-A	.320 X .900 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1465-R-T	.320 X .900 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88

10	10-1465-T	.320 X .900 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1470	.320 X 1000 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1470-A	.320 X 1000 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1470-LH	B-320-1000-LH .320 X 1000 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1470-R	.320 X 1.000 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1470-R-A	.320 X 1.000 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	48.67	47.88
10	10-1470-R-T	.320 X 1.000 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1470-T	.320 X 1000 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1475	.320 X 1100 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1475-A	.320 X 1100 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1475-LH	B-320-1100-LH .320 X 1100 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1475-R	.320 X 1.100 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1475-R-A	.320 X 1.100 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1475-R-T	.320 X 1.100 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1475-T	.320 X 1100 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1480	.320 X 1250 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1480-A	.320 X 1250 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1480-LH	.320 X 1250 L.H. BORING TOOL	47.19	45.38	43.56	41.75
10	10-1480-R	.320 X 1.250 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1480-R-A	.320 X 1.250 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1480-R-T	.320 X 1.250 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1480-T	.320 X 1250 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1485	.320 X 1500 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1485-A	.320 X 1500 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1485-LH	B-320-1500-LH .320 X 1500 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1485-R	.320 X 1.500 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1485-R-A	.320 X 1.500 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1485-R-T	.320 X 1.500 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1485-T	.320 X 1500 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1490	.320 X 1600 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1490-A	.320 X 1600 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1490-LH	B-320-1600-LH .320 X 1600 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1490-R	.320 X 1.600 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1490-R-A	.320 X 1.600 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1490-R-T	.320 X 1.600 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1490-T	.320 X 1600 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1495	.320 X 1800 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1495-A	.320 X 1800 ALTIN BORING TOOL	51.81	50.00	48.17	46.37

10	10-1495-LH	B-320-1800-LH .320 X 1800 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1495-R	.320 X 1.800 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1495-R-A	.320 X 1.800 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1495-R-T	.320 X 1.800 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1495-T	.320 X 1800 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1500	.320 X 2000 BORING TOOL	60.71	58.06	56.04	53.70
10	10-1500-A	.320 X 2000 ALTIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1500-LH	B-320-2000-LH .320 X 2000 BORING TOOL	60.71	58.06	56.04	53.70
10	10-1500-R	.320 X 2000 BORING TOOL WITH RADIUS	62.33	59.68	57.66	55.32
10	10-1500-R-A	.320 X 2000 ALTIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1500-R-T	.320 X 2000 TIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1500-T	.320 X 2000 TIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1505	.320 X 2500 BORING TOOL	60.71	58.06	56.04	53.70
10	10-1505-A	.320 X 2500 ALTIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1505-LH	B-320-2500-LH .320 X 2500 BORING TOOL	60.71	58.06	56.04	53.70
10	10-1505-R	.320 X 2500 BORING TOOL WITH RADIUS	62.33	59.68	57.66	55.32
10	10-1505-R-A	.320 X 2500 ALTIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1505-R-T	.320 X 2500 TIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1505-T	.320 X 2500 TIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1510	.320 X 3000 BORING TOOL	60.71	58.06	56.04	53.70
10	10-1510-A	.320 X 3000 ALTIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1510-LH	B-320-3000-LH .320 X 3000 BORING TOOL	60.71	58.06	56.04	53.70
10	10-1510-R	.320 X 3.000 BORING TOOL WITH RADIUS	62.33	59.68	57.66	55.32
10	10-1510-R-A	.320 X 3.000 ALTIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1510-R-T	.320 X 3.000 TIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1510-T	.320 X 3000 TIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1515	.360 X .500 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1515-A	.360 X .500 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1515-LH	B-360-500-LH .360 X .500 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1515-R	.360 X .500 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1515-R-A	.360 X .500 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1515-R-T	.360 X .500 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1515-T	.360 X .500 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1520	.360 X .600 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1520-A	.360 X .600 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1520-LH	B-360-600-LH .360 X .600 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1520-R	.360 X .600 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1520-R-A	.360 X .600 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88

10	10-1520-R-T	.360 X .600 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1520-T	.360 X .600 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1525	.360 X .750 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1525-A	.360 X .750 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1525-LH	B-360-750-LH .360 X .750 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1525-R	.360 X .750 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1525-R-A	.360 X .750 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1525-R-T	.360 X .750 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1525-T	.360 X .750 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1530	.360 X .900 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1530-A	.360 X .900 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1530-LH	B-360-900-LH .360 X .900 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1530-R	.360 X .900 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1530-R-A	.360 X .900 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1530-R-T	.360 X .900 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1530-T	.360 X .900 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1535	.360 X 1000 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1535-A	.360 X 1000 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1535-LH	B-360-1000-LH .360 X 1000 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1535-R	.360 X 1.000 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1535-R-A	.360 X 1.000 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1535-R-T	.360 X 1.000 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1535-T	.360 X 1000 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1540	.360 X 1150 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1540-A	.360 X 1150 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1540-LH	B-360-1150-LH .360 X 1150 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1540-R	.360 X 1.150 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1540-R-A	.360 X 1.150 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1540-R-T	.360 X 1.150 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1540-T	.360 X 1150 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1545	.360 X 1250 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1545-A	.360 X 1250 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1545-LH	.360 X 1250 L.H. BORING TOOL	47.19	45.38	43.56	41.75
10	10-1545-R	.360 X 1.250 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1545-R-A	.360 X 1.250 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1545-R-T	.360 X 1.250 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1545-T	.360 X 1250 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1550	.360 X 1500 BORING TOOL	47.19	45.38	43.56	41.75

10	10-1550-A	.360 X 1500 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1550-LH	B-360-1500-LH .360 X 1500 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1550-R	.360 X 1.500 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1550-R-A	.360 X 1.500 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1550-R-T	.360 X 1.500 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1550-T	.360 X 1500 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1555	.360 X 1600 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1555-A	.360 X 1600 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1555-LH	B-360-1600-LH .360 X 1600 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1555-R	.360 X 1.600 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1555-R-A	.360 X 1.600 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1555-R-T	.360 X 1.600 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1555-T	.360 X 1600 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1560	.360 X 1800 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1560-A	.360 X 1800 ALTIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1560-LH	B-360-1800-LH .360 X 1800 BORING TOOL	47.19	45.38	43.56	41.75
10	10-1560-R	.360 X 1.800 BORING TOOL WITH RADIUS	48.70	46.90	45.07	43.26
10	10-1560-R-A	.360 X 1.800 ALTIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1560-R-T	.360 X 1.800 TIN BORING TOOL WITH RADIUS	53.32	51.52	49.69	47.88
10	10-1560-T	.360 X 1800 TIN BORING TOOL	51.81	50.00	48.17	46.37
10	10-1565	.360 X 2000 BORING TOOL	60.71	58.38	56.04	53.34
10	10-1565-A	.360 X 2000 ALTIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1565-LH	B-360-2000-LH .360 X 2000 BORING TOOL	60.71	58.38	56.04	53.34
10	10-1565-R	.360 X 2.000 BORING TOOL WITH RADIUS	62.33	59.68	57.66	55.32
10	10-1565-R-A	.360 X 2.000 ALTIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1565-R-T	.360 X 2.000 TIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1565-T	.360 X 2000 TIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1570	.360 X 2500 BORING TOOL	60.71	58.38	56.04	53.34
10	10-1570-A	.360 X 2500 ALTIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1570-LH	B-360-2500-LH .360 X 2500 BORING TOOL	60.71	58.38	56.04	53.34
10	10-1570-R	.360 X 2.500 BORING TOOL WITH RADIUS	62.33	59.68	57.66	55.32
10	10-1570-R-A	.360 X 2.500 ALTIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1570-R-T	.360 X 2.500 TIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1570-T	.360 X 2500 TIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1575	.360 X 3000 BORING TOOL	60.71	58.38	56.04	53.34
10	10-1575-A	.360 X 3000 ALTIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1575-LH	B-360-3000-LH .360 X 3000 BORING TOOL	60.71	58.38	56.04	53.34
10	10-1575-R	.360 X 3.000 BORING TOOL WITH RADIUS	62.33	59.68	57.66	55.32

10	10-1575-R-A	.360 X 3.000 ALTIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1575-R-T	.360 X 3.000 TIN BORING TOOL WITH RADIUS	69.45	66.80	64.78	62.44
10	10-1575-T	.360 X 3000 TIN BORING TOOL	67.83	65.50	63.15	60.82
10	10-1580	.490 X .750 BORING TOOL	66.19	63.54	61.00	58.45
10	10-1580-A	.490 X .750 ALTIN BORING TOOL	73.48	70.83	68.29	65.74
10	10-1580-LH	B-490-750-LH .490 X .750 BORING TOOL	66.19	63.54	61.11	58.45
10	10-1580-R	.490 X .750 BORING TOOL WITH RADIUS	67.71	65.06	62.52	59.96
10	10-1580-R-A	.490 X .750 ALTIN BORING TOOL WITH RADIUS	75.00	72.35	69.81	67.25
10	10-1580-R-T	.490 X .750 TIN BORING TOOL WITH RADIUS	75.00	72.35	69.81	67.25
10	10-1580-T	.490 X .750 TIN BORING TOOL	73.48	70.83	68.29	65.74
10	10-1585	.490 X 1000 BORING TOOL	66.19	63.54	58.45	56.04
10	10-1585-A	.490 X 1000 ALTIN BORING TOOL	73.48	70.83	68.29	65.74
10	10-1585-LH	.490 X 1000 L.H. BORING TOOL	66.19	63.54	61.00	58.45
10	10-1585-R	.490 X 1.000 BORING TOOL WITH RADIUS	67.71	65.06	62.52	59.96
10	10-1585-R-A	.490 X 1.000 ALTIN BORING TOOL WITH RADIUS	75.00	72.35	69.81	67.25
10	10-1585-R-T	.490 X 1.000 TIN BORING TOOL WITH RADIUS	75.00	72.35	69.81	67.25
10	10-1585-T	.490 X 1000 TIN BORING TOOL	73.48	70.83	68.29	65.74
10	10-1590	.490 X 1250 BORING TOOL	66.19	63.54	61.00	58.45
10	10-1590-A	.490 X 1250 ALTIN BORING TOOL	73.48	70.83	68.29	65.74
10	10-1590-LH	B-490-1250-LH .490 X 1250 BORING TOOL	66.19	63.54	61.00	58.45
10	10-1590-R	.490 X 1.250 BORING TOOL WITH RADIUS	67.71	65.06	62.52	59.96
10	10-1590-R-A	.490 X 1.250 ALTIN BORING TOOL WITH RADIUS	75.00	72.35	69.81	67.25
10	10-1590-R-T	.490 X 1.250 TIN BORING TOOL WITH RADIUS	75.00	72.35	69.81	67.25
10	10-1590-T	.490 X 1250 TIN BORING TOOL	73.48	70.83	68.29	65.74
10	10-1595	.490 X 1500 BORING TOOL	66.19	63.54	61.00	58.45
10	10-1595-A	.490 X 1500 ALTIN BORING TOOL	73.48	70.83	68.29	65.74
10	10-1595-LH	.490 X 1500 L.H. BORING TOOL	66.19	63.54	61.00	58.45
10	10-1595-R	.490 X 1.500 BORING TOOL WITH RADIUS	67.71	65.06	62.52	59.96
10	10-1595-R-A	.490 X 1.500 ALTIN BORING TOOL WITH RADIUS	75.00	72.35	69.81	67.25
10	10-1595-R-T	.490 X 1.500 TIN BORING TOOL WITH RADIUS	75.00	72.35	69.81	67.25
10	10-1595-T	.490 X 1500 TIN BORING TOOL	73.48	70.83	68.29	65.74
10	10-1600	.490 X 2000 BORING TOOL	72.37	69.59	66.81	64.01
10	10-1600-A	.490 X 2000 ALTIN BORING TOOL	81.26	78.48	75.70	72.90
10	10-1600-LH	.490 X 2000 L.H. BORING TOOL	72.37	69.59	66.81	64.01
10	10-1600-R	.490 X 2000 BORING TOOL WITH RADIUS	73.99	71.21	68.43	64.96
10	10-1600-R-A	.490 X 2000 ALTIN BORING TOOL WITH RADIUS	82.88	80.10	77.32	74.44
10	10-1600-R-T	.490 X 2000 TIN BORING TOOL WITH RADIUS	82.88	80.10	77.32	74.44
10	10-1600-T	.490 X 2000 TIN BORING TOOL	81.26	78.48	75.70	72.90

10	10-1605	.490 X 2500 BORING TOOL	72.37	69.59	66.81	64.01
10	10-1605-A	.490 X 2500 ALTIN BORING TOOL	81.26	78.48	75.70	72.90
10	10-1605-LH	B-490-2500-LH .490 X 2500 BORING TOOL	72.37	69.59	66.81	64.01
10	10-1605-R	.490 X 2.500 BORING TOOL WITH RADIUS	73.99	71.21	68.43	64.96
10	10-1605-R-A	.490 X 2.500 ALTIN BORING TOOL WITH RADIUS	82.88	80.10	77.32	74.44
10	10-1605-R-T	.490 X 2.500 TIN BORING TOOL WITH RADIUS	82.88	80.10	77.32	74.44
10	10-1605-T	.490 X 2500 TIN BORING TOOL	81.26	78.48	75.70	72.90
10	10-1610	.490 X 2600 BORING TOOL	72.37	69.59	66.81	64.01
10	10-1610-A	.490 X 2600 ALTIN BORING TOOL	81.26	78.48	75.70	72.90
10	10-1610-LH	B-490-2600-LH .490 X 2600 BORING TOOL	72.37	69.59	66.81	64.01
10	10-1610-R	.490 X 2.600 BORING TOOL WITH RADIUS	73.99	71.21	68.43	64.96
10	10-1610-R-A	.490 X 2.600 ALTIN BORING TOOL WITH RADIUS	82.88	80.10	77.32	74.44
10	10-1610-R-T	.490 X 2.600 TIN BORING TOOL WITH RADIUS	82.88	80.10	77.32	74.44
10	10-1610-T	.490 X 2600 TIN BORING TOOL	81.26	78.48	75.70	72.90
10	10-1615	.490 X 3000 BORING TOOL	91.18	87.66	84.16	80.65
10	10-1615-A	.490 X 3000 ALTIN BORING TOOL	102.56	99.04	95.54	92.03
10	10-1615-LH	B-490-3000-LH .490 X 3000 BORING TOOL	91.18	87.66	84.16	80.65
10	10-1615-R	.490 X 3.000 BORING TOOL	92.64	89.12	85.62	82.12
10	10-1615-R-A	.490 X 3.000 ALTIN BORING TOOL	103.73	100.50	96.87	93.49
10	10-1615-R-T	.490 X 3.000 TIN BORING TOOL	103.73	100.50	97.00	93.49
10	10-1615-T	.490 X 3000 TIN BORING TOOL	102.56	99.04	95.54	92.03
10	10-1620	.490 X 3500 BORING TOOL	91.18	87.66	84.16	80.65
10	10-1620-A	.490 X 3500 ALTIN BORING TOOL	102.56	99.04	95.54	92.03
10	10-1620-LH	B-490-3500-LH .490 X 3500 BORING TOOL	91.18	87.66	84.16	80.65
10	10-1620-R	.490 X 3.500 BORING TOOL	92.64	89.12	85.62	82.15
10	10-1620-R-A	.490 X 3.500 ALTIN BORING TOOL	103.73	100.50	97.00	93.49
10	10-1620-R-T	.490 X 3.500 TIN BORING TOOL	103.73	100.50	97.00	93.49
10	10-1620-T	.490 X 3500 TIN BORING TOOL	102.56	99.04	95.54	92.03
10	10-1625	.490 X 4000 BORING TOOL	91.18	87.66	84.16	80.65
10	10-1625-A	.490 X 4000 ALTIN BORING TOOL	102.56	99.04	95.54	92.03
10	10-1625-LH	B-490-4000-LH .490 X 4000 BORING TOOL	91.18	87.66	84.16	80.65
10	10-1625-R	.490 X 4.000 BORING TOOL	92.64	89.12	85.62	82.12
10	10-1625-R-A	.490 X 4.000 ALTIN BORING TOOL	103.73	100.50	97.00	93.49
10	10-1625-R-T	.490 X 4.000 TIN BORING TOOL	103.73	100.50	97.00	93.49
10	10-1625-T	.490 X 4000 TIN BORING TOOL	102.56	99.04	95.54	92.03
10	10-1630	.490 X 4500 BORING TOOL	91.18	87.66	84.16	80.65
10	10-1630-A	.490 X 4500 ALTIN BORING TOOL	102.56	99.04	95.54	92.03
10	10-1630-LH	B-490-4500-LH .490 X 4500 BORING TOOL	91.18	87.66	84.16	80.65

10	10-1630-R	.490 X 4.500 BORING TOOL	92.64	89.12	85.62	82.12
10	10-1630-R-A	.490 X 4.500 ALTIM BORING TOOL	103.73	100.50	97.00	93.49
10	10-1630-R-T	.490 X 4.500 TIN BORING TOOL	103.73	100.50	97.00	93.49
10	10-1630-T	.490 X 4500 TIN BORING TOOL	102.56	99.04	95.54	92.03
12	12-1660	D11-37-3-S 3 STEEL SHANK INSERT BORING TOOL	73.47	70.65	67.83	65.00
12	12-1663	D11-37-3-C 3 CARBIDE SHANK INSERT BORING TOOL	97.44	93.76	89.95	86.20
12	12-1666	D11-37-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	112.04	107.74	103.43	99.12
12	12-1669	D11-37-6-S 6 STEEL SHANK INSERT BORING TOOL	83.61	80.40	77.18	73.96
12	12-1672	D11-37-6-C 6 CARBIDE SHANK INSERT BORING TOOL	132.74	127.64	122.53	117.43
12	12-1675	D11-37-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	154.43	148.49	142.55	136.62
12	12-1678	D11-43-3-S 3 STEEL SHANK INSERT BORING TOOL	76.00	73.07	70.15	67.23
12	12-1681	D11-43-3-C 3 CARBIDE SHANK INSERT BORING TOOL	108.61	104.44	100.25	96.08
12	12-1684	D11-43-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	122.40	117.69	112.98	108.28
12	12-1687	D11-43-6-S 6 STEEL SHANK INSERT BORING TOOL	84.88	81.62	78.35	75.08
12	12-1690	D11-43-6-C 6 CARBIDE SHANK INSERT BORING TOOL	152.86	146.99	141.11	135.23
12	12-1693	D11-43-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	177.59	170.75	163.93	157.09
12	12-1696	D11-50-3-S 3 STEEL SHANK INSERT BORING TOOL	76.00	73.07	70.15	67.23
12	12-1699	D11-50-3-C 3 CARBIDE SHANK INSERT BORING TOOL	108.61	104.44	100.25	96.08
12	12-1702	D11-50-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	122.40	117.73	112.98	108.28
12	12-1705	D11-50-6-S 6 STEEL SHANK INSERT BORING TOOL	84.88	81.62	78.35	75.08
12	12-1708	D11-50-6-C 6 CARBIDE SHANK INSERT BORING TOOL	203.15	195.29	187.52	179.71
12	12-1711	D11-50-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	218.38	209.98	201.58	193.18
12	12-1714	D11-56-3-S 3 STEEL SHANK INSERT BORING TOOL	80.49	77.39	74.62	71.20
12	12-1717	D11-56-3-C 3 CARBIDE SHANK INSERT BORING TOOL	112.64	108.30	103.97	99.64
12	12-1720	D11-56-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	303.45	291.78	280.11	268.44
12	12-1723	D11-56-6-S 6 STEEL SHANK INSERT BORING TOOL	91.29	87.78	84.27	80.75
12	12-1726	D11-56-6-C 6 CARBIDE SHANK INSERT BORING TOOL	203.15	195.34	187.16	179.71
12	12-1729	D11-56-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	349.29	335.86	322.42	308.99
12	12-1732	D11-56-9-S 9 STEEL SHANK INSERT BORING TOOL	95.13	91.46	87.80	84.15
12	12-1735	D11-56-9-C 9 CARBIDE SHANK INSERT BORING TOOL	277.57	266.90	256.22	245.54
12	12-1738	D11-56-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	462.12	444.36	426.59	408.81
12	12-1741	D11-56-12-S 12 STEEL SHANK INSERT BORING TOOL	99.52	95.69	91.86	88.03
12	12-1744	D11-56-12-C 12 CARBIDE SHANK INSERT BORING TOOL	485.80	467.12	448.43	429.75
12	12-1747	D11-56-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	554.56	533.23	511.90	490.58
12	12-1750	D11-62-3-S 3 STEEL SHANK INSERT BORING TOOL	87.11	83.76	80.41	77.05
12	12-1753	D11-62-3-C 3 CARBIDE SHANK INSERT BORING TOOL	112.64	108.30	103.97	99.64
12	12-1756	D11-62-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	308.20	296.35	284.49	272.64
12	12-1759	D11-62-6-S 6 STEEL SHANK INSERT BORING TOOL	86.77	83.42	80.08	76.75

12	12-1762	D11-62-6-C 6 CARBIDE SHANK INSERT BORING TOOL	202.82	195.01	187.21	179.42
12	12-1765	D11-62-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	355.54	341.53	328.19	314.52
12	12-1768	D11-62-9-S 9 STEEL SHANK INSERT BORING TOOL	103.83	99.84	95.85	91.85
12	12-1771	D11-62-9-C 9 CARBIDE SHANK INSERT BORING TOOL	277.57	266.90	256.22	245.54
12	12-1774	D11-62-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	462.15	444.36	426.59	408.81
12	12-1777	D11-62-12-S 12 STEEL SHANK INSERT BORING TOOL	111.13	106.86	102.59	98.32
12	12-1780	D11-62-12-C 12 CARBIDE SHANK INSERT BORING TOOL	485.22	466.56	447.89	429.23
12	12-1783	D11-62-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	554.54	533.21	511.88	490.55
12	12-1786	D11-68-3-S 3 STEEL SHANK INSERT BORING TOOL	94.77	91.12	87.48	83.83
12	12-1789	D11-68-3-C 3 CARBIDE SHANK INSERT BORING TOOL	179.00	172.12	165.24	158.35
12	12-1792	D11-68-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	339.81	326.74	313.67	300.60
12	12-1795	D11-68-6-S 6 STEEL SHANK INSERT BORING TOOL	103.14	99.17	95.20	91.23
12	12-1798	D11-68-6-C 6 CARBIDE SHANK INSERT BORING TOOL	390.31	375.29	360.28	345.28
12	12-1801	D11-68-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	418.38	402.29	386.20	370.11
12	12-1804	D11-68-9-S 9 STEEL SHANK INSERT BORING TOOL	118.47	113.91	109.36	104.80
12	12-1807	D11-68-9-C 9 CARBIDE SHANK INSERT BORING TOOL	412.32	396.46	380.60	364.74
12	12-1810	D11-68-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	571.96	549.96	527.96	505.97
12	12-1813	D11-68-12-S 12 STEEL SHANK INSERT BORING TOOL	131.01	125.97	120.93	115.89
12	12-1816	D11-68-12-C 12 CARBIDE SHANK INSERT BORING TOOL	521.57	501.51	481.44	461.38
12	12-1819	D11-68-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	695.98	669.21	642.34	615.67
12	12-1822	D11-75-3-S 3 STEEL SHANK INSERT BORING TOOL	94.77	91.12	87.48	83.83
12	12-1825	D11-75-3-C 3 CARBIDE SHANK INSERT BORING TOOL	191.09	183.74	176.39	169.04
12	12-1828	D11-75-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	339.81	326.74	313.67	300.60
12	12-1831	D11-75-6-S 6 STEEL SHANK INSERT BORING TOOL	103.14	99.17	95.20	91.23
12	12-1834	D11-75-6-C 6 CARBIDE SHANK INSERT BORING TOOL	390.31	375.29	360.28	345.27
12	12-1837	D11-75-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	420.27	404.10	388.06	371.77
12	12-1840	D11-75-9-S 9 STEEL SHANK INSERT BORING TOOL	118.47	113.91	109.36	104.80
12	12-1843	D11-75-9-C 9 CARBIDE SHANK INSERT BORING TOOL	412.32	396.46	380.60	364.74
12	12-1846	D11-75-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	579.99	557.67	535.37	513.07
12	12-1849	D11-75-12-S 12 STEEL SHANK INSERT BORING TOOL	131.01	125.97	120.93	115.89
12	12-1852	D11-75-12-C 12 CARBIDE SHANK INSERT BORING TOOL	521.56	501.51	481.44	461.38
12	12-1855	D11-75-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	695.98	669.21	642.44	615.67
12	12-1858	D11-87-3-S 3 STEEL SHANK INSERT BORING TOOL	100.35	96.49	92.63	88.77
12	12-1861	D11-87-3-C 3 CARBIDE SHANK INSERT BORING TOOL	190.92	183.58	176.24	168.89
12	12-1864	D11-87-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	387.22	372.33	357.44	342.54
12	12-1867	D11-87-6-S 6 STEEL SHANK INSERT BORING TOOL	108.02	103.87	99.70	95.55
12	12-1870	D11-87-6-C 6 CARBIDE SHANK INSERT BORING TOOL	354.28	340.65	327.02	313.39
12	12-1873	D11-87-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	599.75	576.68	553.61	530.55

12	12-1876	D11-87-9-S 9 STEEL SHANK INSERT BORING TOOL	114.28	109.89	105.50	101.10
12	12-1879	D11-87-9-C 9 CARBIDE SHANK INSERT BORING TOOL	506.51	487.03	467.54	448.06
12	12-1882	D11-87-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	719.71	692.02	664.34	636.65
12	12-1885	D11-87-12-S 12 STEEL SHANK INSERT BORING TOOL	121.95	117.27	112.57	107.88
12	12-1888	D11-87-12-C 12 CARBIDE SHANK INSERT BORING TOOL	593.34	570.52	547.70	524.88
12	12-1891	D11-87-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	863.80	830.57	797.34	764.13
12	12-1894	D11-100-3-S 3 STEEL SHANK INSERT BORING TOOL	100.35	96.49	92.63	88.77
12	12-1897	D11-100-3-C 3 CARBIDE SHANK INSERT BORING TOOL	293.65	282.36	271.07	259.77
12	12-1900	D11-100-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	388.01	373.10	358.17	343.25
12	12-1903	D11-100-6-S 6 STEEL SHANK INSERT BORING TOOL	108.02	103.87	99.70	95.55
12	12-1906	D11-100-6-C 6 CARBIDE SHANK INSERT BORING TOOL	354.27	340.64	327.02	313.39
12	12-1909	D11-100-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	599.75	576.68	553.61	530.55
12	12-1912	D11-100-9-S 9 STEEL SHANK INSERT BORING TOOL	114.28	109.89	105.50	101.10
12	12-1915	D11-100-9-C 9 CARBIDE SHANK INSERT BORING TOOL	506.51	487.04	467.54	448.06
12	12-1918	D11-100-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	719.70	692.02	664.34	636.65
12	12-1921	D11-100-12-S 12 STEEL SHANK INSERT BORING TOOL	121.95	117.27	112.57	107.88
12	12-1924	D11-100-12-C 12 CARBIDE SHANK INSERT BORING TOOL	593.34	570.52	547.70	525.20
12	12-1927	D11-100-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	863.63	830.41	797.19	763.98
12	12-1930	D11-112-3-S 3 STEEL SHANK INSERT BORING TOOL	130.31	125.30	120.30	115.28
12	12-1933	D11-112-3-C 3 CARBIDE SHANK INSERT BORING TOOL	293.67	282.36	271.06	259.77
12	12-1939	D11-112-6-S 6 STEEL SHANK INSERT BORING TOOL	135.19	130.00	124.80	119.59
12	12-1942	D11-112-6-C 6 CARBIDE SHANK INSERT BORING TOOL	576.57	554.38	532.21	510.04
12	12-1948	D11-112-9-S 9 STEEL SHANK INSERT BORING TOOL	146.28	140.65	135.03	129.39
12	12-1951	D11-112-9-C 9 CARBIDE SHANK INSERT BORING TOOL	889.61	855.39	821.18	786.96
12	12-1957	D11-112-12-S 12 STEEL SHANK INSERT BORING TOOL	158.89	152.78	146.66	140.55
12	12-1960	D11-112-12-C 12 CARBIDE SHANK INSERT BORING TOOL	943.17	906.89	870.62	834.28
14	14-1030	T11-31-3-S 5/16 MIN BORE X 3 STEEL SHANK INSERT BAR	70.94	68.22	65.48	62.75
14	14-1033	T11-31-3-C 5/16 MIN BORE X 3 CARBIDE SHANK INSERT BAR	88.50	85.09	81.68	78.29
14	14-1036	T11-31-3-CO 5/16 MIN BORE X 3 CARBIDE COOLANT HOLE INSERT BAR	103.49	99.51	95.53	91.55
14	14-1039	T11-31-6-S 5/16 MIN BORE X 6 STEEL SHANK INSERT BAR	78.56	75.53	72.51	69.49
14	14-1042	T11-31-6-C 5/16 MIN BORE X 6 CARBIDE SHANK INSERT BAR	116.66	112.17	107.68	103.20
14	14-1045	T11-31-6-CO 5/16 MIN BORE X 6 CARBIDE COOLANT HOLE INSERT BAR	132.24	127.15	122.06	116.98
14	14-1048	T11-37-3-S 3/8 MIN BORE X 3 STEEL SHANK INSERT BAR	73.47	70.65	67.83	65.00
14	14-1051	T11-37-3-C 3/8 MIN BORE X 3 CARBIDE SHANK INSERT BAR	96.53	92.82	89.10	85.39
14	14-1054	T11-37-3-CO 3/8 MIN BORE X 3 CARBIDE COOLANT HOLE INSERT BAR	112.06	107.76	103.44	99.14
14	14-1057	T11-37-6-S 3/8 MIN BORE X 6 STEEL SHANK INSERT BAR	83.61	80.40	77.18	73.96
14	14-1060	T11-37-6-C 3/8 MIN BORE X 6 CARBIDE SHANK INSERT BAR	132.74	127.64	122.53	117.43
14	14-1063	T11-37-6-CO 3/8 MIN BORE X 6 CARBIDE COOLANT HOLE INSERT BAR	154.45	148.51	142.58	136.63

14	14-1066	T11-43-3-S 7/16 MIN BORE X 3 STEEL SHANK INSERT BAR	76.00	73.40	70.15	67.23
14	14-1069	T11-43-3-C 7/16 MIN BORE X 3 CARBIDE SHANK INSERT BAR	108.61	104.44	100.26	96.09
14	14-1072	T11-43-3-CO 7/16 MIN BORE X 3 CARBIDE COOLANT HOLE INSERT BAR	122.40	117.70	112.99	108.28
14	14-1075	T11-43-6-S 7/16 MIN BORE X 6 STEEL SHANK INSERT BAR	84.88	81.62	78.35	75.08
14	14-1078	T11-43-6-C 7/16 MIN BORE X 6 CARBIDE SHANK INSERT BAR	152.87	146.99	141.12	135.23
14	14-1081	T11-43-6-CO 7/16 MIN BORE X 6 CARBIDE COOLANT HOLE INSERT BAR	177.59	170.76	163.93	157.10
14	14-1084	T11-50-3-S 1/2 MIN BORE X 3 STEEL SHANK INSERT BAR	76.00	73.07	70.15	67.23
14	14-1087	T11-50-3-C 1/2 MIN BORE X 3 CARBIDE SHANK INSERT BAR	108.61	104.44	100.26	96.09
14	14-1090	T11-50-3-CO 1/2 MIN BORE X 3 CARBIDE COOLANT HOLE INSERT BAR	122.40	117.70	112.99	108.28
14	14-1093	T11-50-6-S 1/2 MIN BORE X 6 STEEL SHANK INSERT BAR	84.88	81.62	78.35	75.08
14	14-1096	T11-50-6-C 1/2 MIN BORE X 6 CARBIDE SHANK INSERT BAR	152.87	146.99	141.12	135.23
14	14-1099	T11-50-6-CO 1/2 MIN BORE X 6 CARBIDE COOLANT HOLE INSERT BAR	177.59	170.76	163.93	157.10
14	14-1102	T11-56-3-S 9/16 MIN BORE X 3 STEEL SHANK INSERT BAR	80.49	77.39	75.37	71.20
14	14-1105	T11-56-3-C 9/16 MIN BORE X 3 CARBIDE SHANK INSERT BAR	108.98	104.79	100.60	96.40
14	14-1108	T11-56-3-CO 9/16 MIN BORE X 3 CARBIDE COOLANT HOLE INSERT BAR	303.45	291.78	280.11	268.44
14	14-1111	T11-56-6-S 9/16 MIN BORE X 6 STEEL SHANK INSERT BAR	91.29	87.78	84.27	80.75
14	14-1114	T11-56-6-C 9/16 MIN BORE X 6 CARBIDE SHANK INSERT BAR	152.87	146.99	141.12	135.23
14	14-1117	T11-56-6-CO 9/16 MIN BORE X 6 CARBIDE COOLANT HOLE INSERT BAR	349.29	335.86	322.42	308.99
14	14-1120	T11-56-9-S 9/16 MIN BORE X 9 STEEL SHANK INSERT BAR	95.13	91.46	87.80	84.15
14	14-1123	T11-56-9-C 9/16 MIN BORE X 9 CARBIDE SHANK INSERT BAR	277.57	266.90	256.22	245.54
14	14-1126	T11-56-9-CO 9/16 MIN BORE X 9 CARBIDE COOLANT HOLE INSERT BAR	446.33	429.17	412.00	394.84
14	14-1129	T11-56-12-S 9/16 MIN BORE X 12 STEEL SHANK INSERT BAR	99.52	95.69	91.86	88.03
14	14-1132	T11-56-12-C 9/16 MIN BORE X 12 CARBIDE SHANK INSERT BAR	479.48	461.04	442.60	424.16
14	14-1135	T11-56-12-CO 9/16 MIN BORE X 12 CARBIDE COOLANT HOLE INSERT BA	554.56	533.23	511.90	490.57
14	14-1138	T11-62-3-S 5/8 MIN BORE X 3 STEEL SHANK INSERT BAR	87.11	83.76	80.41	77.05
14	14-1141	T11-62-3-C 5/8 MIN BORE X 3 CARBIDE SHANK INSERT BAR	112.64	108.30	103.97	99.64
14	14-1144	T11-62-3-CO 5/8 MIN BORE X 3 CARBIDE COOLANT HOLE INSERT BAR	308.20	296.35	284.49	272.64
14	14-1147	T11-62-6-S 5/8 MIN BORE X 6 STEEL SHANK INSERT BAR	93.73	90.13	86.52	82.92
14	14-1150	T11-62-6-C 5/8 MIN BORE X 6 CARBIDE SHANK INSERT BAR	202.22	194.44	186.66	178.89
14	14-1153	T11-62-6-CO 5/8 MIN BORE X 6 CARBIDE COOLANT HOLE INSERT BAR	355.54	341.86	328.19	314.52
14	14-1156	T11-62-9-S 5/8 MIN BORE X 9 STEEL SHANK INSERT BAR	103.83	99.84	95.85	91.85
14	14-1159	T11-62-9-C 5/8 MIN BORE X 9 CARBIDE SHANK INSERT BAR	277.57	266.90	256.22	245.54
14	14-1162	T11-62-9-CO 5/8 MIN BORE X 9 CARBIDE COOLANT HOLE INSERT BAR	454.62	437.13	419.64	402.16
14	14-1165	T11-62-12-S 5/8 MIN BORE X 12 STEEL SHANK INSERT BAR	110.86	106.59	102.33	98.07
14	14-1168	T11-62-12-C 5/8 MIN BORE X 12 CARBIDE SHANK INSERT BAR	485.22	466.56	447.89	429.23
14	14-1171	T11-62-12-CO 5/8 MIN BORE X 12 CARBIDE COOLANT HOLE INSERT BAR	554.56	533.23	511.90	490.27
14	14-1174	T11-68-3-S 11/16 MIN BORE X 3 STEEL SHANK INSERT BAR	94.77	91.12	87.48	83.83
14	14-1177	T11-68-3-C 11/16 MIN BORE X 3 CARBIDE SHANK INSERT BAR	179.00	172.12	165.24	158.35

14	14-1180	T11-68-3-CO 11/16 MIN BORE X 3 CARBIDE COOLANT HOLE INSERT BAR	339.81	326.74	313.67	300.60
14	14-1183	T11-68-6-S 11/16 MIN BORE X 6 STEEL SHANK INSERT BAR	103.14	99.17	95.20	91.23
14	14-1186	T11-68-6-C 11/16 MIN BORE X 6 CARBIDE SHANK INSERT BAR	390.31	375.29	360.29	345.28
14	14-1189	T11-68-6-CO 11/16 MIN BORE X 6 CARBIDE COOLANT HOLE INSERT BAR	415.43	399.46	383.48	367.50
14	14-1192	T11-68-9-S 11/16 MIN BORE X 9 STEEL SHANK INSERT BAR	118.47	113.91	109.36	104.80
14	14-1195	T11-68-9-C 11/16 MIN BORE X 9 CARBIDE SHANK INSERT BAR	412.32	396.46	380.60	364.74
14	14-1198	T11-68-9-CO 11/16 MIN BORE X 9 CARBIDE COOLANT HOLE INSERT BAR	571.68	549.69	527.70	505.71
14	14-1201	T11-68-12-S 11/16 MIN BORE X 12 STEEL SHANK INSERT BAR	131.01	125.97	120.93	115.89
14	14-1204	T11-68-12-C 11/16 MIN BORE X 12 CARBIDE SHANK INSERT BAR	521.57	501.51	481.45	461.39
14	14-1207	T11-68-12-CO 11/16 MIN BORE X 12 CARBIDE COOLANT HOLE INSERT B	695.98	669.21	642.45	615.68
14	14-1210	T11-75-3-S 3/4 MIN BORE X 3 STEEL SHANK INSERT BAR	94.77	91.12	87.48	83.83
14	14-1213	T11-75-3-C 3/4 MIN BORE X3 CARBIDE SHANK INSERT BAR	191.09	183.74	176.39	169.04
14	14-1216	T11-75-3-CO 3/4 MIN BORE X 3 CARBIDE COOLANT HOLE INSERT BAR	339.81	326.74	314.76	300.60
14	14-1219	T11-75-6-S 3/4 MIN BORE X 6 STEEL SHANK INSERT BAR	103.14	99.17	95.20	91.23
14	14-1222	T11-75-6-C 3/4 MIN BORE X 6 CARBIDE SHANK INSERT BAR	390.31	375.29	360.11	345.28
14	14-1225	T11-75-6-CO 3/4 MIN BORE X 6 CARBIDE COOLANT HOLE INSERT BAR	420.27	404.10	387.94	371.77
14	14-1228	T11-75-9-S 3/4 MIN BORE X 9 STEEL SHANK INSERT BAR	118.47	113.91	109.36	104.80
14	14-1231	T11-75-9-C 3/4 MIN BORE X 9 CARBIDE SHANK INSERT BAR	427.37	410.93	394.49	378.06
14	14-1234	T11-75-9-CO 3/4 MIN BORE X 9 CARBIDE COOLANT HOLE INSERT BAR	560.32	538.78	517.22	495.68
14	14-1237	T11-75-12-S 3/4 MIN BORE X 12 STEEL SHANK INSERT BAR	131.01	125.97	120.93	115.89
14	14-1240	T11-75-12-C 3/4 MIN BORE X 12 CARBIDE SHANK INSERT BAR	521.57	501.51	481.45	461.39
14	14-1243	T11-75-12-CO 3/4 MIN BORE X 12 CARBIDE COOLANT HOLE INSERT BAR	695.98	669.21	642.45	615.68
14	14-1246	T11-87-3-S 7/8 MIN BORE X 3 STEEL SHANK INSERT BAR	100.35	96.49	92.63	88.77
14	14-1249	T11-87-3-C 7/8 MIN BORE X 3 CARBIDE SHANK INSERT BAR	190.92	183.58	176.24	168.89
14	14-1252	T11-87-3-CO 7/8 MIN BORE X 3 CARBIDE COOLANT HOLE INSERT BAR	387.22	372.33	357.44	342.54
14	14-1255	T11-87-6-S 7/8 MIN BORE X 6 STEEL SHANK INSERT BAR	108.02	103.87	99.70	95.55
14	14-1258	T11-87-6-C 7/8 MIN BORE X 6 CARBIDE SHANK INSERT BAR	354.28	340.65	326.66	313.39
14	14-1261	T11-87-6-CO 7/8 MIN BORE X 6 CARBIDE COOLANT HOLE INSERT BAR	599.75	576.69	553.62	530.55
14	14-1264	T11-87-9-S 7/8 MIN BORE X 9 STEEL SHANK INSERT BAR	114.28	109.89	105.50	101.10
14	14-1267	T11-87-9-C 7/8 MIN BORE X 9 CARBIDE SHANK INSERT BAR	506.51	487.03	467.55	448.07
14	14-1270	T11-87-9-CO 7/8 MIN BORE X 9 CARBIDE COOLANT HOLE INSERT BAR	716.54	688.98	661.42	633.86
14	14-1273	T11-87-12-S 7/8 MIN BORE X 12 STEEL SHANK INSERT BAR	121.95	117.27	112.57	107.88
14	14-1276	T11-87-12-C 7/8 MIN BORE X 12 CARBIDE SHANK INSERT BAR	593.35	570.53	547.71	524.89
14	14-1279	T11-87-12-CO 7/8 MIN BORE X 12 CARBIDE COOLANT HOLE INSERT BAR	863.48	830.27	797.06	763.85
14	14-1282	T11-100-3-S 1 MIN BORE X 3 STEEL SHANK INSERT BAR	100.35	96.49	92.63	88.77
14	14-1285	T11-100-3-C 1 MIN BORE X 3 CARBIDE SHANK INSERT BAR	293.65	282.36	271.07	259.78
14	14-1288	T11-100-3-CO 1 MIN BORE X 3 CARBIDE COOLANT HOLE INSERT BAR	388.02	373.10	358.17	343.25
14	14-1291	T11-100-6-S 1 MIN BORE X 6 STEEL SHANK INSERT BAR	108.02	103.87	99.70	95.55

14	14-1294	T11-100-6-C 1 MIN BORE X 6 CARBIDE SHANK INSERT BAR	354.28	340.65	327.02	313.39
14	14-1297	T11-100-6-CO 1 MIN BORE X 6 CARBIDE COOLANT HOLE INSERT BAR	599.75	576.69	553.62	530.55
14	14-1300	T11-100-9-S 1 MIN BORE X 9 STEEL SHANK INSERT BAR	114.28	109.89	105.50	101.10
14	14-1303	T11-100-9-C 1 MIN BORE X 9 CARBIDE SHANK INSERT BAR	506.51	487.03	467.55	448.07
14	14-1306	T11-100-9-CO 1 MIN BORE X 9 CARBIDE COOLANT HOLE INSERT BAR	719.71	692.02	664.34	636.66
14	14-1309	T11-100-12-S 1 MIN BORE X 12 STEEL SHANK INSERT BAR	121.95	117.27	112.57	107.88
14	14-1312	T11-100-12-C 1 MIN BORE X 12 CARBIDE SHANK INSERT BAR	593.35	570.53	547.71	524.89
14	14-1315	T11-100-12-CO 1 MIN BORE X 12 CARBIDE COOLANT HOLE INSERT BA	863.64	830.42	797.20	763.99
14	14-1318	T11-112-3-S 1-1/8 MIN BORE X 3 STEEL SHANK INSERT BAR	130.31	125.30	120.30	115.28
14	14-1321	T11-112-3-C 1-1/8 MIN BORE X 3 CARBIDE SHANK INSERT BAR	293.65	282.36	271.07	259.78
14	14-1327	T11-112-6-S 1-1/8 MIN BORE X 6 STEEL SHANK INSERT BAR	135.19	130.00	124.80	119.59
14	14-1330	T11-112-6-C 1-1/8 MIN BORE X 6 CARBIDE SHANK INSERT BAR	576.57	554.40	532.22	510.04
14	14-1336	T11-112-9-S 1-1/8 MIN BORE X 9 STEEL SHANK INSERT BAR	146.28	140.65	135.03	129.39
14	14-1339	T11-112-9-C 1-1/8 MIN BORE X 9 CARBIDE SHANK INSERT BAR	889.62	855.40	821.18	786.97
14	14-1345	T11-112-12-S 1-1/8 MIN BORE X 12 STEEL SHANK INSERT BAR	158.89	152.78	146.66	140.55
14	14-1348	T11-112-12-C 1-1/8 MIN BORE X 12 CARBIDE SHANK INSERT BAR	935.28	899.31	863.34	827.37
15	15-1100	TBGT-520.5 LFW T2000Z INSERT	10.73	10.32	9.91	9.50
15	15-1110	TBGT-520.5 LFW T-1200A INSERT	10.73	10.32	9.91	9.50
15	15-1120	TBGT-520.5 LFX AC820P INSERT	13.50	12.98	12.46	11.94
15	15-1130	TBGT-521 L T-1200A INSERT	10.73	10.32	9.91	9.50
15	15-1140	TBGT-521 LFX AC820P INSERT	13.50	12.98	12.46	11.94
15	15-1150	TPGT-630.5 L G10E INSERT	12.28	11.80	11.34	10.86
15	15-1160	TPGT-630.5 L T-12A INSERT	12.28	11.80	11.34	10.86
15	15-1170	TPGT-630.5 LFY ACZ310 INSERT	15.41	14.82	14.22	13.63
15	15-1180	TPGT-631 L T1200A INSERT	12.28	11.80	11.34	10.86
15	15-1190	TPGT-631 LFX AC530U INSERT	15.47	14.87	14.28	13.68
15	15-1200	TPGG-220.5 L T130Z INSERT	15.02	14.45	13.87	13.29
15	15-1210	TPGG-220.5 L G10E INSERT	12.94	12.44	11.94	11.44
15	15-1220	TPGG-221 L G10E INSERT	12.94	12.44	11.94	11.44
15	15-1230	TPGG-221 L T2000Z INSERT	15.02	14.45	13.87	13.29
15	15-1250	TPGG-330.5 L G-10E INSERT	17.81	17.12	16.44	15.76
15	15-1260	TPGG-330.5 L T-1200A INSERT	17.81	17.12	16.44	15.76
15	15-1270	TPGG 331L G10E INSERT	17.81	17.12	16.44	15.76
15	15-1280	TPMT-331 ENF AC2000 INSERT	17.81	17.12	16.44	15.76
15	15-1290	TPMT-332 ENF EH-10Z INSERT	23.52	22.62	21.71	20.81
15	15-1300	TPMT-332 ENF AC-2000 INSERT	17.81	17.12	16.44	15.76
15	15-1310	TPMT-332 ENF EH-10 INSERT	17.81	17.12	16.44	15.76
16	16-1660	D07-37-3-S 3 STEEL SHANK INSERT BORING TOOL	73.47	70.65	67.83	65.00

16	16-1663	D07-37-3-C 3 CARBIDE SHANK INSERT BORING BAR	89.38	85.94	82.50	79.06
16	16-1666	D07-37-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	103.77	99.78	95.79	91.80
16	16-1669	D07-37-6-S 6 STEEL SHANK INSERT BORING TOOL	83.61	80.40	77.18	73.96
16	16-1672	D07-37-6-C 6 CARBIDE SHANK INSERT BORING TOOL	122.91	118.19	113.14	108.73
16	16-1675	D07-37-6-CO CARBIDE COOLANT HOLE INSERT BORING TOOL	143.01	137.51	132.01	126.51
16	16-1678	D07-43-3-S 3 STEEL SHANK INSERT BORING TOOL	76.00	73.07	70.15	67.23
16	16-1681	D07-43-3-C 3 CARBIDE SHANK INSERT BORING TOOL	100.58	96.71	92.83	88.97
16	16-1684	D07-43-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	113.34	108.98	104.62	100.26
16	16-1687	D07-43-6-S 6 STEEL SHANK INSERT BORING TOOL	84.88	81.62	78.35	75.08
16	16-1690	D07-43-6-C 6 CARBIDE SHANK INSERT BORING TOOL	141.55	136.11	130.66	125.22
16	16-1693	D07-43-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	164.44	158.11	151.78	145.46
16	16-1696	D07-50-3-S 3 STEEL SHANK INSERT BORING TOOL	76.00	73.07	70.15	67.23
16	16-1699	D07-50-3-C 3 CARBIDE SHANK INSERT BORING TOOL	100.58	96.71	92.83	88.97
16	16-1702	D07-50-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	113.34	108.98	104.62	100.26
16	16-1705	D07-50-6-S 6 STEEL SHANK INSERT BORING TOOL	84.88	81.62	78.35	75.08
16	16-1708	D07-50-6-C 6 CARBIDE SHANK INSERT BORING TOOL	188.10	180.87	173.63	166.39
16	16-1711	D07-50-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING BAR	202.21	194.43	186.65	178.88
16	16-1714	D07-56-3-S 3 STEEL SHANK INSERT BORING TOOL	80.49	77.39	74.62	71.20
16	16-1717	D07-56-3-C 3 CARBIDE SHANK INSERT BORING TOOL	104.30	100.29	96.27	92.26
16	16-1720	D07-56-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	280.98	270.17	259.37	248.56
16	16-1723	D07-56-6-S 6 STEEL SHANK INSERT BORING TOOL	91.29	87.78	84.27	80.75
16	16-1726	D07-56-6-C 6 CARBIDE SHANK INSERT BORING TOOL	188.10	180.87	173.63	166.39
16	16-1729	D07-56-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	323.42	310.98	298.54	286.10
16	16-1732	D07-56-9-S 9 STEEL SHANK INSERT BORING TOOL	95.13	91.46	87.80	84.15
16	16-1735	D07-56-9-C 9 CARBIDE SHANK INSERT BORING TOOL	257.01	247.12	237.24	227.35
16	16-1738	D07-56-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	420.94	404.75	388.55	372.37
16	16-1741	D07-56-12-S 12 STEEL SHANK INSERT BORING TOOL	99.52	95.69	91.86	88.03
16	16-1744	D07-56-12-C 12 CARBIDE SHANK INSERT BORING TOOL	449.82	432.52	415.22	397.92
16	16-1747	D07-56-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	513.48	493.74	473.99	454.24
16	16-1750	D07-62-3-S 3 STEEL SHANK INSERT BORING TOOL	87.11	83.76	80.41	77.05
16	16-1753	D07-62-3-C 3 CARBIDE SHANK INSERT BORING TOOL	104.30	100.29	96.27	92.26
16	16-1756	D07-62-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	285.37	274.39	263.41	252.45
16	16-1759	D07-62-6-S 6 STEEL SHANK INSERT BORING TOOL	93.73	90.13	86.52	82.92
16	16-1762	D07-62-6-C 6 CARBIDE SHANK INSERT BORING TOOL	187.80	180.57	173.35	166.12
16	16-1765	D07-62-6-CO CARBIDE COOLANT HOLE INSERT BORING BAR	329.18	316.53	303.86	291.21
16	16-1768	D07-62-9-S 9 STEEL SHANK INSERT BORING TOOL	103.83	99.84	95.85	91.85
16	16-1771	D07-62-9-C 9 CARBIDE SHANK INSERT BORING TOOL	257.01	247.12	237.24	227.35
16	16-1774	D07-62-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	427.91	411.45	394.99	378.54

16	16-1777	D07-62-12-S 12 STEEL SHANK INSERT BORING TOOL	110.73	106.47	102.21	97.96
16	16-1780	D07-62-12-C 12 CARBIDE SHANK INSERT BORING TOOL	449.28	431.99	414.72	397.43
16	16-1783	D07-62-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	513.48	493.74	473.99	454.24
16	16-1786	D07-68-3-S 3 STEEL SHANK INSERT BORING TOOL	95.09	91.12	87.48	83.83
16	16-1789	D07-68-3-C 3 CARBIDE SHANK INSERT BORING TOOL	165.74	159.37	152.99	146.62
16	16-1792	D07-68-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	314.64	302.53	290.43	278.34
16	16-1795	D07-68-6-S 6 STEEL SHANK INSERT BORING TOOL	103.14	99.17	95.20	91.23
16	16-1798	D07-68-6-C 6 CARBIDE SHANK INSERT BORING TOOL	361.40	347.50	333.60	319.70
16	16-1801	D07-68-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	384.66	369.86	355.07	340.27
16	16-1804	D07-68-9-S 9 STEEL SHANK INSERT BORING TOOL	118.47	113.91	109.36	104.80
16	16-1807	D07-68-9-C 9 CARBIDE SHANK INSERT BORING TOOL	381.77	367.10	352.41	337.72
16	16-1810	D07-68-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	529.31	508.96	488.60	468.25
16	16-1813	D07-68-12-S 12 STEEL SHANK INSERT BORING TOOL	131.01	125.97	120.93	115.89
16	16-1816	D07-68-12-C 12 CARBIDE SHANK INSERT BORING TOOL	521.57	501.51	481.45	461.39
16	16-1819	D07-68-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	644.43	619.64	594.86	570.07
16	16-1822	D07-75-3-S 3 STEEL SHANK INSERT BORING TOOL	94.77	91.12	87.48	83.83
16	16-1825	D07-75-3-C 3 CARBIDE SHANK INSERT BORING TOOL	176.94	170.14	163.32	156.52
16	16-1828	D07-75-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	314.57	302.47	290.37	278.27
16	16-1831	D07-75-6-S 6 STEEL SHANK INSERT BORING TOOL	103.14	99.17	95.20	91.23
16	16-1834	D07-75-6-C 6 CARBIDE SHANK INSERT BORING TOOL	359.93	346.09	332.25	318.40
16	16-1837	D07-75-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	389.14	374.17	359.20	344.23
16	16-1840	D07-75-9-S 9 STEEL SHANK INSERT BORING TOOL	118.47	113.91	109.36	104.80
16	16-1843	D07-75-9-C 9 CARBIDE SHANK INSERT BORING BAR	381.77	367.10	352.41	337.72
16	16-1846	D07-75-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	537.03	516.37	495.72	475.06
16	16-1849	D07-75-12-S 12 STEEL SHANK INSERT BORING TOOL	131.01	125.97	120.93	115.89
16	16-1852	D07-75-12-C 12 CARBIDE SHANK INSERT BORING TOOL	482.93	464.36	445.78	427.21
16	16-1855	D07-75-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	644.43	619.64	594.86	570.07
16	16-1858	D07-87-3-S 3 STEEL SHANK INSERT BORING TOOL	100.35	96.49	92.63	88.77
16	16-1859	D07-62B-3-S 3 STEEL SHANK INSERT BORING TOOL	87.11	83.76	80.41	77.05
16	16-1860	D07-62B-3-C 3 CARBIDE SHANK INSERT BORING TOOL	175.44	168.69	161.94	155.19
16	16-1861	D07-87-3-C 3 CARBIDE SHANK INSERT BORING TOOL	176.79	169.98	163.18	156.39
16	16-1862	D07-62B-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	314.64	302.53	290.43	278.34
16	16-1863	D07-62B-6-S 6 STEEL SHANK INSERT BORING TOOL	93.73	90.13	86.52	82.92
16	16-1864	D07-87-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	358.54	344.75	330.96	317.17
16	16-1865	D07-62B-6-C 6 CARBIDE SHANK INSERT BORING TOOL	187.80	180.57	173.35	166.12
16	16-1866	D07-62B-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	329.18	316.53	303.86	291.21
16	16-1867	D07-87-6-S 6 STEEL SHANK INSERT BORING TOOL	108.02	103.87	99.70	95.55
16	16-1868	D07-62B-9-S 9 STEEL SHANK INSERT BORING TOOL	103.83	99.84	95.85	91.85

16	16-1869	D07-62B-9-C 9 CARBIDE SHANK INSERT BORING TOOL	257.01	247.12	237.24	227.35
16	16-1870	D07-87-6-C 6 CARBIDE SHANK INSERT BORING TOOL	328.03	315.42	302.79	290.18
16	16-1871	D07-62B-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	427.91	411.45	394.99	378.54
16	16-1872	D07-62B-12-S 12 STEEL SHANK INSERT BORING TOOL	112.64	108.30	103.97	99.64
16	16-1873	D07-87-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	555.33	533.96	512.60	491.25
16	16-1874	D07-62B-12-C 12 CARBIDE SHANK INSERT BORING TOOL	449.28	431.99	414.72	397.43
16	16-1875	D07-62B-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	513.48	492.12	473.99	454.24
16	16-1876	D07-87-9-S 9 STEEL SHANK INSERT BORING TOOL	114.28	109.89	105.50	101.10
16	16-1877	D07-68B-3-S 3 STEEL SHANK INSERT BORING TOOL	94.77	91.12	87.48	83.83
16	16-1878	D07-68B-3-C 3 CARBIDE SHANK INSERT BORING TOOL	165.74	159.37	152.99	146.62
16	16-1879	D07-87-9-C 9 CARBIDE SHANK INSERT BORING BAR	468.99	450.96	432.92	414.88
16	16-1880	D07-68B-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	314.64	302.53	290.43	278.34
16	16-1881	D07-68B-6-S 6 STEEL SHANK INSERT BORING TOOL	103.14	99.17	95.20	91.23
16	16-1882	D07-87-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	666.27	640.76	615.13	589.50
16	16-1883	D07-68B-6-C 6 CARBIDE SHANK INSERT BORING TOOL	361.40	347.50	333.60	319.70
16	16-1884	D07-68B-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	384.66	369.86	355.07	340.27
16	16-1885	D07-87-12-S 12 STEEL SHANK INSERT BORING TOOL	121.95	117.27	112.57	107.88
16	16-1886	D07-68B-9-S 9 STEEL SHANK INSERT BORING TOOL	118.47	113.91	109.36	104.80
16	16-1887	D07-68B-9-C 9 CARBIDE SHANK INSERT BORING TOOL	381.77	367.10	352.41	337.72
16	16-1888	D07-87-12-C 12 CARBIDE SHANK INSERT BORING TOOL	549.40	528.28	507.14	486.01
16	16-1889	D07-68B-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	529.31	508.96	488.60	468.25
16	16-1890	D07-68B-12-S 12 STEEL SHANK INSERT BORING TOOL	131.01	125.97	120.93	115.89
16	16-1891	D07-87-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	799.66	768.91	738.15	707.39
16	16-1892	D07-68B-12-C 12 CARBIDE SHANK INSERT BORING TOOL	482.93	464.36	445.78	427.21
16	16-1893	D07-68B-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	644.43	619.64	594.86	570.07
16	16-1894	D07-100-3-S 3 STEEL SHANK INSERT BORING TOOL	100.35	96.49	92.63	88.77
16	16-1895	D07-75B-3-S 3 STEEL SHANK INSERT BORING TOOL	94.77	91.12	87.48	83.83
16	16-1896	D07-75B-3-C 3 CARBIDE SHANK INSERT BORING TOOL	176.94	170.14	163.32	156.52
16	16-1897	D07-100-3-C 3 CARBIDE SHANK INSERT BORING TOOL	271.90	261.44	250.99	240.54
16	16-1898	D07-75B-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	314.57	302.47	290.37	278.27
16	16-1899	D07-75B-6-S 6 STEEL SHANK INSERT BORING TOOL	103.14	99.17	95.20	91.23
16	16-1900	D07-100-3-CO 3 CARBIDE COOLANT HOLE INSERT BORING TOOL	359.40	345.58	331.76	317.94
16	16-1901	D07-75B-6-C 6 CARBIDE SHANK INSERT BORING BAR	359.93	346.09	332.25	318.40
16	16-1902	D07-75B-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	389.14	374.17	359.20	344.23
16	16-1903	D07-100-6-S 6 STEEL SHANK INSERT BORING TOOL	108.02	103.87	99.70	95.55
16	16-1904	D07-75B-9-S 9 STEEL SHANK INSERT BORING TOOL	118.47	113.91	109.36	104.80
16	16-1905	D07-75B-9-C 9 CARBIDE SHANK INSERT BORING TOOL	381.77	367.10	352.41	337.72
16	16-1906	D07-100-6-C 6 CARBIDE SHANK INSERT BORING TOOL	328.03	315.42	302.79	290.18

16	16-1907	D07-75B-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	537.03	516.37	495.72	475.06
16	16-1908	D07-75B-12-S 12 STEEL SHANK INSERT BORING TOOL	131.01	125.97	120.93	115.89
16	16-1909	D07-100-6-CO 6 CARBIDE COOLANT HOLE INSERT BORING TOOL	555.33	533.96	512.60	491.25
16	16-1910	D07-75B-12-C 12 CARBIDE SHANK INSERT BORING TOOL	482.93	464.36	445.78	427.21
16	16-1911	D07-75B-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	644.43	619.64	594.86	570.07
16	16-1912	D07-100-9-S 9 STEEL SHANK INSERT BORING TOOL	114.28	109.89	105.50	101.10
16	16-1915	D07-100-9-C 9 CARBIDE SHANK INSERT BORING TOOL	468.99	450.96	432.92	414.88
16	16-1918	D07-100-9-CO 9 CARBIDE COOLANT HOLE INSERT BORING TOOL	666.40	640.76	615.13	589.50
16	16-1921	D07-100-12-S 12 STEEL SHANK INSERT BORING TOOL	121.95	117.27	112.57	107.88
16	16-1924	D07-100-12-C 12 CARBIDE SHANK INSERT BORING TOOL	549.40	528.28	507.14	486.01
16	16-1927	D07-100-12-CO 12 CARBIDE COOLANT HOLE INSERT BORING TOOL	799.66	768.91	738.15	707.39
16	16-1930	D07-112-3-S 3 STEEL SHANK INSERT BORING TOOL	130.31	125.30	120.30	115.28
16	16-1933	D07-112-3-C 3 CARBIDE SHANK INSERT BORING TOOL	271.90	261.44	250.99	240.54
16	16-1939	D07-112-6-S 6 STEEL SHANK INSERT BORING TOOL	135.19	130.00	124.80	119.59
16	16-1942	D07-112-6-C 6 CARBIDE SHANK INSERT BORING TOOL	533.86	513.33	492.80	472.26
16	16-1948	D07-112-9-S 9 STEEL SHANK INSERT BORING TOOL	146.28	140.65	135.03	129.39
16	16-1951	D07-112-9-C 9 CARBIDE SHANK INSERT BORING TOOL	823.71	792.03	760.35	728.67
16	16-1957	D07-112-12-S 12 STEEL SHANK INSERT BORING TOOL	158.89	152.78	146.66	140.55
16	16-1960	D07-112-12-C 12 CARBIDE SHANK INSERT BORING TOOL	866.00	832.69	799.39	766.08
17	17-1490	CCGT-21.51 C2 UN INSERT	11.98	11.52	11.05	10.60
17	17-1540	CCGT-21.52 (TIN) INSERT	13.69	13.17	12.64	12.11
17	17-1570	CCGT-32.51 (TIN) INSERT	14.54	13.99	13.42	12.86
17	17-1700	CCMT 21.51 EN-SF CTC125 INSERT	8.40	8.07	7.75	7.44
17	17-1710	CCMT 21.52 EN-SMF CTC125 INSERT	8.40	8.07	7.75	7.44
17	17-1720	CCMT 21.51 EN-M25 CTC2135 INSERT	8.40	8.07	7.75	7.44
17	17-1730	CCMT 21.52 EN-SMF CTC125 INSERT	8.40	8.07	7.75	7.44
17	17-1740	CCMT 21.51 EN-SF CTC125 INSERT	8.40	8.07	7.75	7.44
17	17-1750	CCMT 21.52 EN-SMF CTC125 INSERT	8.40	8.07	7.75	7.44
17	17-1760	CCGT 21.5.5 FN-25P H210T INSERT	11.19	10.74	10.32	9.90
17	17-1770	CCGT 21.51 FN-25P H210T INSERT	11.19	10.74	10.32	9.90
17	17-1780	CCGT 21.5.5 FN-25P AMZ INSERT	11.19	10.74	10.32	9.90
17	17-1790	CCGT 21.51 FN-25P AMZ INSERT	11.19	10.74	10.32	9.90
17	17-1800	CCGT 22.5.5 EN CF05 CTEP110 INSERT	11.19	10.74	10.32	9.90
17	17-1810	CCMT 22.1 EN CF55 CTEP110 INSERT	11.19	10.74	10.32	9.90
17	17-1860	CCMT 32.52 EN-SMF CTC125 INSERT	11.19	10.74	10.32	9.90
17	17-1870	CCMT 32.51 EN-F43 CTC2135 INSERT	11.19	10.74	10.32	9.90
17	17-1880	CCMT 32.52 EN-F43 CTC2135 INSERT	11.19	10.74	10.32	9.90
17	17-1890	CCMT 32.51 EN-SF CTC125 INSERT	11.19	10.74	10.32	9.90

17	17-1900	CCMT 32.52 EN-SMF CTCP125 INSERT	11.19	10.74	10.32	9.90
17	17-1910	CCGT 32.51 FN-25P H210T INSERT	11.19	10.74	10.32	9.90
17	17-1920	CCGT 32.52 FN-25P H210T INSERT	11.19	10.74	10.32	9.90
17	17-1930	CCGT 32.51 FN-25P AMZ INSERT	11.19	10.74	10.32	9.90
17	17-1940	CCGT 32.52 FN-25P AMZ INSERT	11.19	10.74	10.32	9.90
17	17-1950	CCMT 32.51 EN CF05 CTEP110 INSERT	11.19	10.74	10.32	9.90
17	17-2030	CPMT 21.52 EN-SF CTCP115 INSERT	11.19	10.74	10.32	9.90
17	17-2120	CPMT 32.51 EN-SF CTCP115 INSERT	11.96	11.49	11.03	10.59
17	17-2130	CPMT 32.52 EN-SF CTCP115 INSERT	11.96	11.49	11.03	10.59
18	18-1000	MB-050-200 .050 X .200 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1005	MB-050-300 .050 X .300 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1010	MB-050-400 .050 X .400 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1015	MB-060-200 .060 X .200 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1020	MB-060-300 .060 X .300 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1025	MB-060-400 .060 X .400 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1030	MB-060-500 .060 X .500 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1035	MB-080-200 .080 X .200 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1040	MB-080-300 .080 X .300 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1045	MB-080-400 .080 X .400 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1050	MB-080-500 .080 X .500 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1055	MB-080-600 .080 X .600 BORING TOOL	21.55	20.68	19.85	19.06
18	18-1060	MB-090-400 .090 X .400 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1065	MB-090-500 .090 X .500 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1070	MB-090-600 .090 X .600 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1075	MB-100-300 .100 X .300 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1080	MB-100-400 .100 X .400 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1085	MB-100-500 .100 X .500 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1090	MB-100-600 .100 X .600 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1095	MB-100-700 .100 X .700 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1100	MB-110-300 .110 X .300 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1105	MB-110-400 .110 X .400 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1110	MB-110-500 .110 X .500 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1115	MB-110-600 .110 X .600 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1120	MB-110-700 .110 X .700 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1125	MB-120-400 .120 X .400 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1130	MB-120-500 .120 X .500 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1135	MB-120-600 .120 X .600 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1140	MB-120-700 .120 X .700 BORING TOOL	28.16	27.08	26.00	24.91

18	18-1145	MB-120-800 .120 X .800 BORING TOOL	28.16	27.08	26.00	24.91
18	18-1150	MB-140-400 .140 X .400 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1155	MB-140-500 .140 X .500 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1160	MB-140-600 .140 X .600 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1165	MB-140-700 .140 X .700 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1170	MB-140-800 .140 X .800 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1175	MB-140-900 .140 X .900 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1180	MB-140-1000 .140 X 1.000 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1185	MB-140-1250 .140 X 1.250 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1190	MB-160-500 .160 X .500 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1195	MB-160-600 .160 X .600 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1200	MB-160-800 .160 X .800 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1205	MB-160-1000 .160 X 1.000 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1210	MB-160-1250 .160 X 1.250 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1212	MB-180-400 .180 X .400 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1215	MB-180-500 .180 X .500 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1220	MB-180-600 .180 X 600 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1225	MB-180-800 .180 X .800 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1230	MB-180-1000 .180 X 1.000 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1235	MB-180-1250 .180 X 1.250 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1240	MB-180-1500 .180 X 1.500 BORING TOOL	30.13	28.98	27.82	26.66
18	18-1242	MB-200-400 .200 X .400 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1245	MB-200-500 .200 X .500 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1250	MB-200-800 .200 X .800 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1255	MB-200-1000 .200 X 1.000 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1260	MB-200-1250 .200 X 1.250 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1265	MB-200-1500 .200 X 1.500 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1270	MB-200-1750 .200 X 1.750 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1275	MB-240-500 .240 X .500 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1280	MB-240-800 .240 X .800 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1285	MB-240-1000 .240 X 1.000 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1290	MB-240-1250 .240 X 1.250 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1295	MB-240-1500 .240 X 1.500 BORING TOOL	32.63	31.38	30.12	28.87
18	18-1300	MB-290-750 .290 X .750 BORING TOOL	44.57	42.85	41.14	39.42
18	18-1305	MB-290-1000 .290 X 1000 BORING TOOL	44.57	42.85	41.14	39.42
18	18-1310	MB-290-1250 .290 X 1250 BORING TOOL	44.57	42.85	41.14	39.42
18	18-1315	MB-290-1500 .290 X 1.500 BORING TOOL	44.57	42.85	41.14	39.42
18	18-1320	MB-290-1750 .290 X 1.750 BORING TOOL	44.57	42.85	41.14	39.42

18	18-1322	MB-310-500 .310 X .500 BORING TOOL	44.57	42.85	41.14	39.42
18	18-1325	MB-310-750 .310 X .750 BORING TOOL	44.57	42.85	41.14	39.42
18	18-1330	MB-310-1000 .310 X 1.000 BORING TOOL	44.57	42.85	41.14	39.42
18	18-1335	MB-310-1250 .310 X 1.250 BORING TOOL	44.57	42.85	41.14	39.42
18	18-1340	MB-310-1500 .310 X 1.500 BORING TOOL	44.57	42.85	41.14	39.42
18	18-1345	MB-310-1750 .310 X 1.750 BORING TOOL	44.57	42.85	41.14	39.42
18	18-1350	MB-360-500 .360 X .500 BORING TOOL	61.25	58.89	56.54	54.19
18	18-1355	MB-360-750 .360 X .750 BORING TOOL	61.25	58.89	56.54	54.19
18	18-1360	MB-360-1000 .360 X 1.000 BORING TOOL	61.25	58.89	56.54	54.19
18	18-1365	MB-360-1250 .360 X 1.250 BORING TOOL	61.25	58.89	56.54	54.19
18	18-1370	MB-360-1500 .360 X 1.500 BORING TOOL	61.25	58.89	56.54	54.19
18	18-1375	MB-490-750 .490 X .750 BORING TOOL	87.29	83.92	80.57	77.22
18	18-1380	MB-490-1000 .490 X 1.000 BORING TOOL	87.29	83.92	80.57	77.22
18	18-1385	MB-490-1250 .490 X 1.250 BORING TOOL	87.29	83.92	80.57	77.22
18	18-1390	MB-490-1500 .490 X 1.500 BORING TOOL	87.29	83.92	80.57	77.22
19	19-1200	.120 X .250 ALUM CUT BORING BAR	21.34	20.51	19.70	18.87
19	19-1250	.120 X .500 ALUM CUT BORING BAR	21.34	20.51	19.70	18.87
19	19-1290	.120 X .800 ALUM CUT BORING BAR	21.34	20.51	19.70	18.87
19	19-1300	.180 X .500 ALUM CUT BORING BAR	22.87	21.99	21.11	20.24
19	19-1350	.180 X .750 ALUM CUT BORING BAR	22.87	21.99	21.11	20.24
19	19-1390	.180 X 1.250 ALUM CUT BORING BAR	22.87	21.99	21.11	20.24
19	19-1400	.240 X .500 ALUM CUT BORING BAR	24.63	23.68	22.74	21.78
19	19-1450	.240 X .750 ALUM CUT BORING BAR	24.63	23.68	22.74	21.78
19	19-1490	.240 X 1.250 ALUM CUT BORING BAR	24.63	23.68	22.74	21.78
19	19-1500	.370 X .500 ALUM CUT BORING BAR	47.19	45.38	43.56	41.75
19	19-1550	.370 X .750 ALUM CUT BORING BAR	47.19	45.38	43.56	41.75
19	19-1590	.370 X 1.250 ALUM CUT BORING BAR	47.19	45.38	43.56	41.75
19	19-1600	.490 X .750 ALUM CUT BORING BAR	66.19	63.54	56.04	58.45
19	19-1650	.490 X 1.000 ALUM CUT BORING BAR	66.19	63.54	56.04	58.45
19	19-1690	.490 X 1.500 ALUM CUT BORING BAR	66.19	63.54	56.04	58.45
20	20-1170	G-032-3 1/16 DIA X .031/.032 X 3/16 GROOVE TOOL	25.61	24.63	23.64	22.66
20	20-1175	G-032-4 1/16 DIA X .031/.032 X 1/4 GROOVE TOOL	25.61	24.63	23.64	22.66
20	20-1180	G-032-6 1/32 DIA X .031/.032 X 3/8 GROOVE TOOL	25.61	24.63	23.64	22.66
20	20-1185	G-047-4 3/32 DIA X .046/.047 X 1/4 GROOVE TOOL	25.61	24.63	23.64	22.66
20	20-1190	G-047-6 3/32 DIA X .046/.047 X 3/8 GROOVE TOOL	25.61	24.63	23.64	22.66
20	20-1195	G-047-8 3/32 DIA X .046/.047 X 1/2 GROOVE TOOL	25.61	24.63	23.64	22.66
20	20-1200	G-064-4 1/8 DIA X .062/.063 X 1/4 GROOVE TOOL	25.61	24.63	23.64	22.66
20	20-1205	G-064-6 1/8 DIA X .062/.063 X 3/8 GROOVE TOOL	25.61	24.63	23.64	22.66

20	20-1210	G-064-8 1/8 DIA X .062/.063 X 1/2 GROOVE TOOL	25.61	24.63	23.64	22.66
20	20-1215	G-064-10 1/8 DIA X .062/.063 X 5/8 GROOVE TOOL	25.61	24.63	23.64	22.66
20	20-1220	G-018-4 3/16 DIA X .017/.018 X 1/4 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1225	G-018-6 3/16 DIA X .017/.018 X 3/8 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1230	G-018-8 3/16 DIA X .017/.018 X 1/2 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1235	G-018-10 3/16 DIA X .017/.018 X 5/8 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1240	G-026-4 3/16 DIA X .025/.026 X 1/4 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1245	G-026-6 3/16 DIA X .025/.026 X 3/8 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1250	G-026-8 3/16 DIA X .025/.026 X 1/2 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1255	G-026-10 3/16 DIA X .025/.026 X 5/8 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1260	G-031-4 3/16 DIA X .030/.031 X 1/4 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1265	G-031-6 3/16 DIA X .030/.031 X 3/8 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1270	G-031-8 3/16 DIA X .030/.031 X 1/2 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1275	G-031-10 3/16 DIA X .030/.031 X 5/8 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1280	G-061-4 3/16 DIA X .062/.063 X 1/4 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1285	G-061-6 3/16 DIA X .062/.063 X 3/8 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1290	G-061-8 3/16 DIA X .062/.063 X 1/2 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1295	G-061-10 3/16 DIA X .062/.063 X 5/8 GROOVE TOOL	29.67	28.52	27.39	26.24
20	20-1300	G-017-4 1/4 DIA X .017/.018 X 1/4 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1305	G-017-6 1/4 DIA X .017/.018 X 3/8 GROOVE TOOL	30.57	29.40	28.22	27.05
20	20-1310	G-017-8 1/4 DIA X .017/.018 X 1/2 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1315	G-017-10 1/4 DIA X .017/.018 X 5/8 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1320	G-025-4 1/4 DIA X .025/.026 X 1/4 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1325	G-025-6 1/4 DIA X .025/.026 X 3/8 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1330	G-025-8 1/4 DIA X .025/.026 X 1/2 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1335	G-025-10 1/4 DIA X .025/.026 X 5/8 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1340	G-030-4 1/4 DIA X .030/.031 X 1/4 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1345	G-030-6 1/4 DIA X .030/.031 X 3/8 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1350	G-030-8 1/4 DIA X .030/.031 X 1/2 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1355	G-030-10 1/4 DIA X .030/.031 X 5/8 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1356	G-060-6 1/4 DIA X .062/.064 X 3/8 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1357	G-060-8 1/4 DIA X .062/.064 X 1/2 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1358	G-060-10 1/4 DIA X .062/.064 X 5/8 GROOVE TOOL	30.57	29.40	28.22	27.04
20	20-1360	G-033-4 5/16 DIA X .033/.034 X 1/4 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1365	G-033-6 5/16 DIA X .033/.034 X 3/8 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1370	G-033-8 5/16 DIA X .033/.034 X 1/2 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1375	G-033-12 5/16 DIA X .033/.034 X 3/4 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1380	G-038-4 5/16 DIA X .038/.039 X 1/4 GROOVE TOOL	38.18	36.71	35.24	33.77

20	20-1385	G-038-6 5/16 DIA X .038/.039 X 3/8 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1390	G-038-8 5/16 DIA X .038/.039 X 1/2 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1395	G-038-12 5/16 DIA X .038/.039 X 3/4 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1400	G-063-8 5/16 DIA X .062/.064 X 1/2 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1405	G-063-12 5/16 DIA X .062/.064 X 3/4 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1410	G-063-16 5/16 DIA X .062/.064 X 1 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1415	G-094-8 5/16 DIA X .093/.095 X 1/2 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1420	G-094-12 5/16 DIA X .093/.095 X 3/4 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1425	G-094-16 5/16 DIA X .093/.095 X 1 GROOVE TOOL	38.18	36.71	35.24	33.77
20	20-1430	G-039-4 3/8 DIA X .039/.041 X 1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1435	G-039-6 3/8 DIA X .039/.041 X 3/8 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1440	G-039-8 3/8 DIA X .039/.041 X 1/2 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1445	G-039-12 3/8 DIA X .039/.041 X 3/4 GROOVE TOOL	49.97	48.06	44.20	44.20
20	20-1450	G-039-16 3/8 DIA X .039/.041 X 1 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1455	G-039-20 3/8 DIA X .039/.041 X 1-1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1460	G-046-4 3/8 DIA X .046/.048 X 1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1465	G-046-6 3/8 DIA X .046/.048 X 3/8 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1470	G-046-8 3/8 DIA X .046/.048 X 1/2 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1475	G-046-12 3/8 DIA X .046/.048 X 3/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1480	G-046-16 3/8 DIA X .046/.048 X 1 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1485	G-046-20 3/8 DIA X .046/.048 X 1-1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1490	G-055-4 3/8 DIA X .055/.057 X 1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1495	G-055-6 3/8 DIA X .055/.057 X 3/8 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1500	G-055-8 3/8 DIA X .055/.057 X 1/2 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1505	G-055-12 3/8 DIA X .055/.057 X 3/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1510	G-055-16 3/8 DIA X .055/.057 X 1 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1515	G-055-20 3/8 DIA X .055/.057 X 1-1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1520	G-062-4 3/8 DIA X .062/.064 X 1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1525	G-062-6 3/8 DIA X .062/.064 X 3/8 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1530	G-062-8 3/8 DIA X .062/.064 X 1/2 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1535	G-062-12 3/8 DIA X .062/.064 X 3/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1540	G-062-16 3/8 DIA X .062/.064 X 1 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1545	G-062-20 3/8 DIA X .062/.064 X 1-1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1550	G-069-4 3/8 DIA X .069/.071 X 1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1555	G-069-6 3/8 DIA X .069/.071 X 3/8 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1560	G-069-8 3/8 DIA X .069/.071 X 1/2 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1565	G-069-12 3/8 DIA X .069/.071 X 3/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1570	G-069-16 3/8 DIA X .069/.071 X 1 GROOVE TOOL	49.97	48.06	46.13	44.20

20	20-1575	G-069-20 3/8 DIA X .069/.071 X 1-1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1580	G-087-4 3/8 DIA X .087/.089 X 1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1585	G-087-6 3/8 DIA X .087/.089 X 3/8 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1590	G-087-8 3/8 DIA X .087/.089 X 1/2 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1595	G-087-12 3/8 DIA X .087/.089 X 3/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1600	G-087-16 3/8 DIA X .087/.089 X 1 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1605	G-087-20 3/8 DIA X .087/.089 X 1-1/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1610	G-095-8 3/8 DIA X .093/.095 X 1/2 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1615	G-095-12 3/8 DIA X .093/.095 X 3/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1620	G-095-16 3/8 DIA X .093/.095 X 1 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1625	G-126-8 3/8 DIA X .125/.127 X 1/2 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1630	G-126-12 3/8 DIA X .125/.127 X 3/4 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1635	G-126-16 3/8 DIA X .125/.127 X 1 GROOVE TOOL	49.97	48.06	46.13	44.20
20	20-1640	G-093-8 1/2 DIA X .093/.095 X 1/2 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1645	G-093-12 1/2 DIA X .093/.095 X 3/4 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1650	G-093-16 1/2 DIA X .093/.095 X 1 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1655	G-093-20 1/2 DIA X .093/.095 X 1-1/4 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1660	G-093-24 1/2 DIA X .093/.095 X 1-1/2 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1665	G-125-8 1/2 DIA X .125/.127 X 1/2 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1670	G-125-12 1/2 DIA X .125/.127 X 3/4 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1675	G-125-16 1/2 DIA X .125/.127 X 1 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1680	G-125-20 1/2 DIA X .125/.127 X 1-1/4 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1685	G-125-24 1/2 DIA X .125/.127 X 1-1/2 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1690	G-156-8 1/2 DIA X .156/.158 X 1/2 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1695	G-156-12 1/2 DIA X .156/.158 X 3/4 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1700	G-156-16 1/2 DIA X .156/.158 X 1 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1705	G-156-20 1/2 DIA X .156/.158 X 1-1/4 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1710	G-156-24 1/2 DIA X .156/.158 X 1-1/2 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1715	G-187-8 1/2 DIA X .187/.189 X 1/2 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1720	G-187-12 1/2 DIA X .187/.189 X 3/4 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1725	G-187-16 1/2 DIA X .187/.189 X 1 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1730	G-187-20 1/2 DIA X .187/.189 X 1-1/4 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1735	G-187-24 1/2 DIA X .187/.189 X 1-1/2 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1740	G-250-8 1/2 DIA X .250/.252 X 1/2 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1745	G-250-12 1/2 DIA X .250/.252 X 3/4 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1750	G-250-16 1/2 DIA X .250/.252 X 1 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1755	G-250-20 1/2 DIA X .250/.252 X 1-1/4 GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-1760	G-250-24 1/2 DIA X .250/.252 X 1-1/2 GROOVE TOOL	70.65	67.94	65.22	62.49

20	20-9910	3/8 DIA X .103/.105 X 1/2 REACH GROOVE TOOL	46.27	44.50	42.71	40.94
20	20-9915	3/8 X .120/.122 X .500 GROOVE TOOL	46.27	44.50	42.71	40.94
20	20-9920	1/4 DIA X .5MM METRIC GROOVE TOOL	28.31	27.21	26.13	25.04
20	20-9920-C	1/4 DIA X .5MM METRIC GROOVE TOOL	31.52	30.43	29.34	28.25
20	20-9930	1/4 DIA X .9MM METRIC GROOVE TOOL	28.31	27.21	26.13	25.04
20	20-9930-C	1/4 DIA X .9MM METRIC GROOVE TOOL	31.52	30.43	29.35	28.25
20	20-9940	1/4 DIA X 1.1 MM METRIC GROOVE TOOL	28.31	27.21	26.13	25.04
20	20-9940-C	1/4 DIA X 1.1 MM METRIC GROOVE TOOL	28.31	27.21	26.13	25.04
20	20-9950	1/4 DIA X 1.3MM METRIC GROOVE TOOL	28.31	27.21	26.13	25.04
20	20-9950-C	1/4 DIA X 1.3MM METRIC GROOVE TOOL	31.52	30.43	29.35	28.25
20	20-9960	3/8 X 1.85 MM X .500 GROOVE TOOL	46.27	44.50	42.71	40.94
20	20-9960-C	3/8 X 1.85 MM X .500 GROOVE TOOL	50.71	48.94	47.15	45.38
20	20-9970	3/8 X 2.15 MM X .500 GROOVE TOOL	46.27	44.50	42.71	40.94
20	20-9970-C	3/8 X 2.15 MM X .500 GROOVE TOOL	50.71	48.94	47.15	45.38
20	20-9980	3/8 X 2.65 MM X 1/2 REACH GROOVE TOOL	46.27	44.50	42.71	40.94
20	20-9980-C	3/8 X 2.65 MM X 1/2 REACH GROOVE TOOL	50.71	48.94	47.15	45.38
20	20-9982	3/8 X 3.0MM X 1/2 REACH GROOVE TOOL	46.27	44.50	42.71	40.94
20	20-9982-C	3/8 X 3.0MM X 1/2 REACH GROOVE TOOL	50.71	48.94	47.15	45.38
20	20-9985	G-3.0-19 .500 DIA X 3.0MM(.1182) METRIC GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-9985-C	G-3.0-19 .500 DIA X 3.0MM(.1182) METRIC GROOVE TOOL	77.66	74.94	72.23	69.49
20	20-9990	G-3.0-19 .500 DIA X 4.0MM(.1576) METRIC GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-9990-C	G-3.0-19 .500 DIA X 4.0MM(.1576) METRIC GROOVE TOOL	77.66	74.94	72.23	69.50
20	20-9995	G-3.0-19 .500 DIA X 6.0MM(.2364) METRIC GROOVE TOOL	70.65	67.94	65.22	62.49
20	20-9995-C	G-3.0-19 .500 DIA X 6.0MM(.2364) METRIC GROOVE TOOL	77.66	74.94	72.23	69.50
21	21-6000	2FMB-010-030 MICRO ENDMILL	31.45	30.12	28.91	27.75
21	21-6005	2FMB-015-045 MICRO ENDMILL	24.11	23.15	22.22	21.33
21	21-6010	2FMB-020-060 MICRO ENDMILL	23.18	22.26	21.36	20.52
21	21-6015	2FMB-025-075 MICRO ENDMILL	21.05	20.19	19.39	18.61
21	21-6020	2FMB-030-090 MICRO ENDMILL	20.42	19.60	18.79	17.97
21	21-6025	2FMB-031-093 MICRO ENDMILL	20.42	19.60	18.79	17.97
21	21-6030	2FMB-035-105 MICRO ENDMILL	18.55	17.80	17.10	16.41
21	21-6035	2FMB-040-120 MICRO ENDMILL	18.55	17.80	17.10	16.41
21	21-6040	2FMB-045-135 MICRO ENDMILL	18.55	17.80	17.10	16.41
21	21-6045	2FMB-047-141 MICRO ENDMILL	18.55	17.80	17.10	16.41
21	21-6050	2FMB-050-150 MICRO ENDMILL	18.55	17.80	17.10	16.41
21	21-6055	2FMB-055-165 MICRO ENDMILL	18.55	17.80	17.10	16.41
21	21-6060	2FMB-060-180 MICRO ENDMILL	18.19	17.99	17.24	16.48
21	21-6065	2FMB-065-195 MICRO ENDMILL	18.19	17.99	17.24	16.48

21	21-6070	2FMB-070-210 MICRO ENDMILL	18.19	17.99	17.24	16.48
21	21-6075	2FMB-075-225 MICRO ENDMILL	18.19	17.99	17.24	16.48
21	21-6080	2FMB-080-240 MICRO ENDMILL	18.19	17.99	17.24	16.48
21	21-6085	2FMB-085-255 MICRO ENDMILL	18.19	17.99	17.24	16.48
21	21-6090	2FMB-090-270 MICRO ENDMILL	18.19	17.99	17.24	16.48
21	21-6095	2FMB-095-285 MICRO ENDMILL	18.19	17.99	17.24	16.48
21	21-6100	2FMB-100-300 MICRO ENDMILL	18.19	17.99	17.24	16.48
21	21-6105	2FMB-120-360 MICRO ENDMILL	18.19	17.99	17.24	16.48
21	21-7000	2FMS-005-015 MICRO ENDMILL	26.81	25.74	24.67	23.59
21	21-7005	2FMS-006-018 MICRO ENDMILL	26.81	25.74	24.67	23.59
21	21-7010	2FMS-007-021 MICRO ENDMILL	25.92	24.88	23.84	22.80
21	21-7015	2FMS-008-024 MICRO ENDMILL	25.92	24.88	23.84	22.80
21	21-7020	2FMS-009-027 MICRO ENDMILL	25.92	24.88	23.84	22.80
21	21-7025	2FMS-010-030 MICRO ENDMILL	21.53	20.68	19.81	18.95
21	21-7030	2FMS-011-033 MICRO ENDMILL	21.53	20.68	19.81	18.95
21	21-7035	2FMS-012-036 MICRO ENDMILL	21.53	20.68	19.81	18.95
21	21-7040	2FMS-013-039 MICRO ENDMILL	21.53	20.68	19.81	18.95
21	21-7045	2FMS-014-042 MICRO ENDMILL	21.53	20.68	19.81	18.95
21	21-7050	2FMS-015-045 MICRO ENDMILL	19.07	18.31	17.54	16.79
21	21-7055	2FMS-016-048 MICRO ENDMILL	19.07	18.31	17.54	16.79
21	21-7060	2FMS-017-051 MICRO ENDMILL	19.07	18.31	17.54	16.79
21	21-7065	2FMS-018-054 MICRO ENDMILL	19.07	18.31	17.54	16.79
21	21-7070	2FMS-019-057 MICRO ENDMILL	19.07	18.31	17.54	16.79
21	21-7075	2FMS-020-060 MICRO ENDMILL	18.17	17.45	16.72	16.00
21	21-7080	2FMS-021-063 MICRO ENDMILL	18.17	17.45	16.72	16.00
21	21-7085	2FMS-022-066 MICRO ENDMILL	18.17	17.45	16.72	16.00
21	21-7090	2FMS-023-069 MICRO ENDMILL	18.17	17.45	16.72	16.00
21	21-7095	2FMS-024-072 MICRO ENDMILL	18.17	17.45	16.72	16.00
21	21-7100	2FMS-025-075 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	21-7105	2FMS-026-078 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	21-7110	2FMS-027-081 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	21-7115	2FMS-028-084 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	21-7120	2FMS-029-087 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	21-7125	2FMS-030-090 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	21-7130	2FMS-031-093 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	21-7135	2FMS-035-105 MICRO ENDMILL	14.03	13.47	12.90	12.34
21	21-7140	2FMS-040-120 MICRO ENDMILL	14.03	13.47	12.90	12.34
21	21-7145	2FMS-045-135 MICRO ENDMILL	14.03	13.47	12.90	12.34

21	21-7150	2FMS-047-141 MICRO ENDMILL	14.03	13.47	12.90	12.67
21	21-7155	2FMS-050-150 MICRO ENDMILL	14.03	13.47	12.90	12.34
21	21-7160	2FMS-055-165 MICRO ENDMILL	14.03	13.47	12.90	12.34
21	21-7165	2FMS-060-180 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7170	2FMS-065-195 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7175	2FMS-070-210 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7180	2FMS-075-225 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7185	2FMS-080-240 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7190	2FMS-085-255 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7195	2FMS-090-270 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7200	2FMS-100-300 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7205	2FMS-105-315 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7210	2FMS-110-330 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7215	2FMS-115-345 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7220	2FMS-120-360 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	21-7225	2FMS-125-375 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	41-6010	4FMB-020-060 MICRO ENDMILL	25.02	24.01	23.02	22.01
21	41-6015	4FMB-025-075 MICRO ENDMILL	21.98	21.75	20.85	19.94
21	41-6020	4FMB-030-090 MICRO ENDMILL	20.42	19.60	18.79	17.97
21	41-6025	4FMB-031-093 MICRO ENDMILL	20.42	19.60	18.79	17.97
21	41-6030	4FMB-035-105 MICRO ENDMILL	19.19	18.42	17.65	16.88
21	41-6035	4FMB-040-120 MICRO ENDMILL	19.19	18.42	17.65	16.88
21	41-6040	4FMB-045-135 MICRO ENDMILL	19.19	18.42	17.65	16.88
21	41-6045	4FMB-047-141 MICRO ENDMILL	19.19	18.42	17.65	16.88
21	41-6050	4FMB-050-150 MICRO ENDMILL	19.19	18.42	17.65	16.88
21	41-6055	4FMB-055-165 MICRO ENDMILL	19.19	18.42	17.65	16.88
21	41-6060	4FMB-060-180 MICRO ENDMILL	18.73	17.99	17.24	16.48
21	41-6065	4FMB-065-195 MICRO ENDMILL	18.73	17.99	17.24	16.48
21	41-6070	4FMB-070-210 MICRO ENDMILL	18.73	17.99	17.24	16.48
21	41-6075	4FMB-075-225 MICRO ENDMILL	18.73	17.99	17.24	16.48
21	41-6080	4FMB-080-240 MICRO ENDMILL	18.73	17.99	17.24	16.48
21	41-6085	4FMB-085-255 MICRO ENDMILL	18.73	17.99	17.24	16.48
21	41-6090	4FMB-090-270 MICRO ENDMILL	18.73	17.99	17.24	16.48
21	41-6095	4FMB-095-285 MICRO ENDMILL	18.73	17.99	17.24	16.48
21	41-6100	4FMB-100-300 MICRO ENDMILL	18.73	17.99	17.24	16.48
21	41-6105	4FMB-120-360 MICRO ENDMILL	18.73	17.99	17.24	16.48
21	41-7000	4FMS-005-015 MICRO ENDMILL	26.81	25.74	24.67	23.59
21	41-7005	4FMS-006-018 MICRO ENDMILL	26.81	25.74	24.67	23.59

21	41-7010	4FMS-007-021 MICRO ENDMILL	26.81	25.74	24.67	23.59
21	41-7015	4FMS-008-024 MICRO ENDMILL	26.81	25.74	24.67	23.59
21	41-7020	4FMS-009-027 MICRO ENDMILL	26.81	25.74	24.67	23.59
21	41-7025	4FMS-010-030 MICRO ENDMILL	21.53	20.68	19.81	18.95
21	41-7030	4FMS-011-033 MICRO ENDMILL	21.53	20.68	19.81	18.95
21	41-7035	4FMS-012-036 MICRO ENDMILL	21.53	20.68	19.81	18.95
21	41-7040	4FMS-013-039 MICRO ENDMILL	21.53	20.68	19.81	18.95
21	41-7045	4FMS-014-042 MICRO ENDMILL	21.53	20.68	19.81	16.79
21	41-7050	4FMS-015-045 MICRO ENDMILL	19.07	18.31	17.54	16.79
21	41-7055	4FMS-016-048 MICRO ENDMILL	19.07	18.31	17.54	16.79
21	41-7060	4FMS-017-051 MICRO ENDMILL	19.07	18.31	17.54	18.95
21	41-7065	4FMS-018-054 MICRO ENDMILL	19.07	18.31	17.55	16.79
21	41-7070	4FMS-019-057 MICRO ENDMILL	19.07	18.31	17.54	16.79
21	41-7075	4FMS-020-060 MICRO ENDMILL	18.17	17.45	16.72	15.99
21	41-7080	4FMS-021-063 MICRO ENDMILL	18.17	17.45	16.72	16.00
21	41-7085	4FMS-022-066 MICRO ENDMILL	18.17	17.45	16.72	16.00
21	41-7090	4FMS-023-069 MICRO ENDMILL	18.17	17.45	16.72	16.00
21	41-7095	4FMS-024-072 MICRO ENDMILL	18.17	17.45	16.72	16.00
21	41-7100	4FMS-025-075 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	41-7100-C	4FMS-025-075 MICRO ENDMILL	17.75	17.09	16.42	15.75
21	41-7105	4FMS-026-078 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	41-7110	4FMS-027-081 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	41-7115	4FMS-028-084 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	41-7120	4FMS-029-087 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	41-7125	4FMS-030-090 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	41-7130	4FMS-031-093 MICRO ENDMILL	16.71	16.05	15.38	14.71
21	41-7135	4FMS-035-105 MICRO ENDMILL	14.03	13.47	12.90	12.34
21	41-7140	4FMS-040-120 MICRO ENDMILL	14.03	13.47	12.90	12.34
21	41-7145	4FMS-045-135 MICRO ENDMILL	14.03	13.47	12.90	12.34
21	41-7150	4FMS-047-141 MICRO ENDMILL	14.03	13.47	12.90	12.34
21	41-7155	4FMS-050-150 MICRO ENDMILL	14.03	13.47	12.90	12.34
21	41-7160	4FMS-055-165 MICRO ENDMILL	14.03	13.44	12.90	12.34
21	41-7165	4FMS-060-180 MICRO ENDMILL	14.03	13.47	12.90	12.34
21	41-7170	4FMS-065-195 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	41-7175	4FMS-070-210 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	41-7180	4FMS-075-225 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	41-7185	4FMS-080-240 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	41-7190	4FMS-085-255 MICRO ENDMILL	12.45	11.95	11.45	10.96

21	41-7195	4FMS-090-270 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	41-7200	4FMS-100-300 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	41-7205	4FMS-105-315 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	41-7210	4FMS-110-330 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	41-7215	4FMS-115-345 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	41-7220	4FMS-120-360 MICRO ENDMILL	12.45	11.95	11.45	10.96
21	41-7225	4FMS-125-375 MICRO ENDMILL	12.45	11.95	11.45	10.96
22	22-1100	MG-25-017-250 1/4 DIA X .017/.018 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1105	MG-25-017-375 1/4 DIA X .017/.018 X 3/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1110	MG-25-017-500 1/4 DIA X .017/.018 X 1/2 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1115	MG-25-017-625 1/4 DIA X .017/.018 X 5/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1120	MG-25-025-250 1/4 DIA X .025/.026 X 1/4 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1125	MG-25-025-375 1/4 DIA X .025/.026 X 3/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1130	MG-25-025-500 1/4 DIA X .025/.026 X 1/2 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1135	MG-25-025-625 1/4 DIA X .025/.026 X 5/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1140	MG-25-030-250 1/4 DIA X .030/.031 X 1/4 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1145	MG-25-030-375 1/4 DIA X .030/.031 X 3/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1150	MG-25-030-500 1/4 DIA X .030/.031 X 1/2 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1155	MG-25-030-625 1/4 DIA X .030/.031 X 5/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1160	MG-25-063-250 1/4 DIA X .062/.064 X 1/4 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1165	MG-25-063-375 1/4 DIA X .062/.064 X 3/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1170	MG-25-063-500 1/4 DIA X .062/.064 X 1/2 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1175	MG-25-063-625 1/4 DIA X .062/.064 X 5/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1180	MG-25-094-250 1/4 DIA X .093/.095 X 1/4 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1185	MG-25-094-375 1/4 DIA X .093/.095 X 3/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1190	MG-25-094-500 1/4 DIA X .093/.095 X 1/2 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1195	MG-25-094-625 1/4 DIA X .093/.095 X 5/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1200	MG-25-125-250 1/4 DIA X .125/.127 X 1/4 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1205	MG-25-125-375 1/4 DIA X .125/.127 X 3/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1210	MG-25-125-500 1/4 DIA X .125/.127 X 1/2 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1215	MG-25-125-625 1/4 DIA X .125/.127 X 5/8 MAX GROOVE TOOL	41.81	40.20	38.59	36.99
22	22-1220	MG-31-033-250 5/16 DIA X .033/.034 X 1/4 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1225	MG-31-033-375 5/16 DIA X .033/.034 X 3/8 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1230	MG-31-033-500 5/16 DIA X .033/.034 X 1/2 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1235	MG-31-033-625 5/16 DIA X .033/.034 X 5/8 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1240	MG-31-038-250 5/16 DIA X .038/.039 X 1/4 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1245	MG-31-038-375 5/16 DIA X .038/.039 X 3/8 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1250	MG-31-038-500 5/16 DIA X .038/.039 X 1/2 MAX GROOVE TOOL	52.18	50.18	48.16	46.15

22	22-1255	MG-31-038-625 5/16 DIA X .038/.039 X 5/8 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1260	MG-31-063-500 5/16 DIA X .062/.064 X 1/2 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1265	MG-31-063-750 5/16 DIA X .062/.064 X 3/4 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1270	MG-31-063-1000 5/16 DIA X .062/.064 X 1 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1275	MG-31-094-500 5/16 DIA X .093/.095 X 1/2 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1280	MG-31-094-750 5/16 DIA X .093/.095 X 3/4 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1285	MG-31-094-1000 5/16 DIA X .093/.095 X 1 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1290	MG-31-125-500 5/16 DIA X .125/.127 X 1/2 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1295	MG-31-125-750 5/16 DIA X .125/.127 X 3/4 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1300	MG-31-125-1000 5/16 DIA X .125/.127 X 1 MAX GROOVE TOOL	52.18	50.18	48.16	46.15
22	22-1305	MG-37-039-250 3/8 DIA X .039/.041 X 1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1310	MG-37-039-375 3/8 DIA X .039/.041 X 3/8 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1315	MG-37-039-500 3/8 DIA X .039/.041 X 1/2 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1320	MG-37-039-750 3/8 DIA X .039/.041 X 3/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1325	MG-37-039-1000 3/8 DIA X .039/.041 X 1 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1330	MG-37-039-1250 3/8 DIA X .039/.041 X 1-1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1335	MG-37-046-250 3/8 DIA X .046/.048 X 1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1340	MG-37-046-375 3/8 DIA X .046/.048 X 3/8 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1345	MG-37-046-500 3/8 DIA X .046/.048 X 1/2 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1350	MG-37-046-750 3/8 DIA X .046/.048 X 3/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1355	MG-37-046-1000 3/8 DIA X .046/.048 X 1 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1360	MG-37-046-1250 3/8 DIA X .046/.048 X 1-1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1365	MG-37-055-250 3/8 DIA X .055/.057 X 1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1370	MG-37-055-375 3/8 DIA X .055/.057 X 3/8 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1375	MG-37-055-500 3/8 DIA X .055/.057 X 1/2 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1380	MG-37-055-750 3/8 DIA X .055/.057 X 3/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1385	MG-37-055-1000 3/8 DIA X .055/.057 X 1 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1390	MG-37-055-1250 3/8 DIA X .055/.057 X 1-1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1395	MG-37-063-250 3/8 DIA X .062/.064 X 1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1400	MG-37-063-375 3/8 DIA X .062/.064 X 3/8 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1405	MG-37-063-500 3/8 DIA X .062/.064 X 1/2 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1410	MG-37-063-750 3/8 DIA X .062/.064 X 3/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1415	MG-37-063-1000 3/8 DIA X .062/.064 X 1 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1420	MG-37-063-1250 3/8 DIA X .062/.064 X 1-1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1425	MG-37-069-250 3/8 DIA X .069/.071 X 1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1430	MG-37-069-375 3/8 DIA X .069/.071 X 3/8 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1435	MG-37-069-500 3/8 DIA X .069/.071 X 1/2 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1440	MG-37-069-750 3/8 DIA X .069/.071 X 3/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79

22	22-1445	MG-37-069-1000 3/8 DIA X .069/.071 X 1 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1450	MG-37-069-1250 3/8 DIA X .069/.071 X 1-1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1455	MG-37-087-250 3/8 DIA X .087/.089 X 1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1460	MG-37-087-375 3/8 DIA X .087/.089 X 3/8 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1465	MG-37-087-500 3/8 DIA X .087/.089 X 1/2 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1470	MG-37-087-750 3/8 DIA X .087/.089 X 3/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1475	MG-37-087-1000 3/8 DIA X .087/.089 X 1 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1480	MG-37-087-1250 3/8 DIA X .087/.089 X 1-1/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1485	MG-37-094-500 3/8 DIA X .093/.095 X 1/2 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1490	MG-37-094-750 3/8 DIA X .093/.095 X 3/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1495	MG-37-094-1000 3/8 DIA X .093/.095 X 1 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1500	MG-37-125-500 3/8 DIA X .125/.127 X 1/2 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1505	MG-37-125-750 3/8 DIA X .125/.127 X 3/4 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1510	MG-37-125-1000 3/8 DIA X .125/.127 X 1 MAX GROOVE TOOL	68.71	66.07	63.44	60.79
22	22-1515	MG-50-063-500 1/2 DIA X .062/.064 X 1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1520	MG-50-063-750 1/2 DIA X .062/.064 X 3/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1525	MG-50-063-1000 1/2 DIA X .062/.064 X 1 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1530	MG-50-063-1250 1/2 DIA X .062/.064 X 1-1/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1535	MG-50-063-1500 1/2 DIA X .062/.064 X 1-1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1540	MG-50-094-500 1/2 DIA X .093/.095 X 1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1545	MG-50-094-750 1/2 DIA X .093/.095 X 3/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1550	MG-50-094-1000 1/2 DIA X .093/.095 X 1 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1555	MG-50-094-1250 1/2 DIA X .093/.095 X 1-1/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1560	MG-50-094-1500 1/2 DIA X .093/.095 X 1-1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1565	MG-50-125-500 1/2 DIA X .125/.127 X 1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1570	MG-50-125-750 1/2 DIA X .125/.127 X 3/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1575	MG-50-125-1000 1/2 DIA X .125/.127 X 1 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1580	MG-50-125-1250 1/2 DIA X .125/.127 X 1-1/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1585	MG-50-125-1500 1/2 DIA X .125/.127 X 1-1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1590	MG-50-156-500 1/2 DIA X .156/.158 X 1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1595	MG-50-156-750 1/2 DIA X .156/.158 X 3/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1600	MG-50-156-1000 1/2 DIA X .156/.158 X 1 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1605	MG-50-156-1250 1/2 DIA X .156/.158 X 1-1/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1610	MG-50-156-1500 1/2 DIA X .156/.158 X 1-1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1615	MG-50-187-500 1/2 DIA X .187/.189 X 1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1620	MG-50-187-750 1/2 DIA X .187/.189 X 3/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1625	MG-50-187-1000 1/2 DIA X .187/.189 X 1 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1630	MG-50-187-1250 1/2 DIA X .187/.189 X 1-1/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57

22	22-1635	MG-50-187-1500 1/2 DIA X .187/.189 X 1-1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1640	MG-50-250-500 1/2 DIA X .250/.252 X 1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1645	MG-50-250-750 1/2 DIA X .250/.252 X 3/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1650	MG-50-250-1000 1/2 DIA X .250/.252 X 1 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1655	MG-50-250-1250 1/2 DIA X .250/.252 X 1-1/4 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
22	22-1660	MG-50-250-1500 1/2 DIA X .250/.252 X 1-1/2 MAX GROOVE TOOL	92.22	88.67	85.12	81.57
23	23-1000	2 X .0312 LARGE KEY CUTTER	302.00	289.92	278.33	267.20
23	23-1000-C	2 X .0312 LARGE KEY CUTTER	320.49	307.67	295.35	283.55
23	23-1010	2 X .0625 LARGE KEY CUTTER	302.00	289.92	278.33	267.20
23	23-1010-C	2 X .0625 LARGE KEY CUTTER	320.49	307.67	295.35	283.55
23	23-1020	2 X .0938 LARGE KEY CUTTER	302.00	289.92	278.33	267.20
23	23-1020-C	2 X .0938 LARGE KEY CUTTER	320.49	307.67	295.35	283.55
23	23-1030	2 X .1250 LARGE KEY CUTTER	302.00	289.92	278.33	267.20
23	23-1030-C	2 X .1250 LARGE KEY CUTTER	320.49	307.67	295.35	283.55
23	23-1040	2 X .1875 LARGE KEY CUTTER	302.00	289.92	278.33	267.20
23	23-1040-C	2 X .1875 LARGE KEY CUTTER	320.49	307.67	295.35	283.55
23	23-1050	2 X .2500 LARGE KEY CUTTER	302.00	289.92	278.33	267.20
23	23-1050-C	2 X .2500 LARGE KEY CUTTER	320.49	307.67	295.35	283.55
23	23-1060	2-1/4 X .0312 LARGE KEY CUTTER	310.77	298.34	286.40	274.94
23	23-1060-C	2-1/4 X .0312 LARGE KEY CUTTER	337.81	324.29	311.33	298.87
23	23-1070	2-1/4 X .0625 LARGE KEY CUTTER	310.77	298.34	286.40	274.94
23	23-1070-C	2-1/4 X .0625 LARGE KEY CUTTER	337.81	324.29	311.33	298.87
23	23-1080	2-1/4 X .0938 LARGE KEY CUTTER	310.77	298.34	286.40	274.94
23	23-1080-C	2-1/4 X .0938 LARGE KEY CUTTER	337.81	324.29	311.33	298.87
23	23-1090	2-1/4 X .1250 LARGE KEY CUTTER	310.77	298.34	286.40	274.94
23	23-1090-C	2-1/4 X .1250 LARGE KEY CUTTER	337.81	324.29	311.33	298.87
23	23-1100	2-1/4 X .1875 LARGE KEY CUTTER	310.77	298.34	286.40	274.94
23	23-1100-C	2-1/4 X .1875 LARGE KEY CUTTER	337.81	324.29	311.33	298.87
23	23-1110	2-1/4 X .2500 LARGE KEY CUTTER	310.77	298.34	286.40	274.94
23	23-1110-C	2-1/4 X .2500 LARGE KEY CUTTER	337.81	324.29	311.33	298.87
23	23-1120	2-1/2 X .0312 LARGE KEY CUTTER	320.35	307.53	295.23	283.42
23	23-1120-C	2-1/2 X .0312 LARGE KEY CUTTER	346.78	332.91	319.59	306.81
23	23-1130	2-1/2 X .0625 LARGE KEY CUTTER	320.35	307.53	295.23	283.42
23	23-1130-C	2-1/2 X .0625 LARGE KEY CUTTER	346.78	332.91	319.59	306.81
23	23-1140	2-1/2 X .0938 LARGE KEY CUTTER	320.35	307.53	295.23	283.42
23	23-1140-C	2-1/2 X .0938 LARGE KEY CUTTER	346.78	332.91	319.59	306.81
23	23-1150	2-1/2 X .1250 LARGE KEY CUTTER	320.35	307.53	295.23	283.42
23	23-1150-C	2-1/2 X .1250 LARGE KEY CUTTER	346.78	332.91	319.59	306.81

23	23-1160	2-1/2 X .1875 LARGE KEY CUTTER	320.35	307.53	295.23	283.42
23	23-1160-C	2-1/2 X .1875 LARGE KEY CUTTER	346.78	332.91	319.59	306.81
23	23-1170	2-1/2 X .2500 LARGE KEY CUTTER	320.35	307.53	295.23	283.42
23	23-1170-C	2-1/2 X .2500 LARGE KEY CUTTER	346.78	332.91	319.59	306.81
23	23-1180	2-3/4 X .0312 LARGE KEY CUTTER	335.10	321.70	308.83	296.48
23	23-1180-C	2-3/4 X .0312 LARGE KEY CUTTER	365.38	350.75	336.72	323.26
23	23-1190	2-3/4 X .0625 LARGE KEY CUTTER	335.10	321.70	308.83	296.48
23	23-1190-C	2-3/4 X .0625 LARGE KEY CUTTER	365.38	350.75	336.72	323.26
23	23-1200	2-3/4 X .0938 LARGE KEY CUTTER	335.10	321.70	308.83	296.48
23	23-1200-C	2-3/4 X .0938 LARGE KEY CUTTER	365.38	350.75	336.72	323.26
23	23-1210	2-3/4 X .1250 LARGE KEY CUTTER	335.10	321.70	308.83	296.48
23	23-1210-C	2-3/4 X .1250 LARGE KEY CUTTER	365.38	350.75	336.72	323.26
23	23-1220	2-3/4 X .1875 LARGE KEY CUTTER	335.10	321.70	308.83	296.48
23	23-1220-C	2-3/4 X .1875 LARGE KEY CUTTER	365.38	350.75	336.72	323.26
23	23-1230	2-3/4 X .250 LARGE KEY CUTTER	335.10	321.70	308.83	296.48
23	23-1230-C	2-3/4 X .250 LARGE KEY CUTTER	365.38	350.75	336.72	323.26
23	23-1240	3 X .0312 LARGE KEY CUTTER	350.63	336.60	323.14	310.21
23	23-1240-C	3 X .0312 LARGE KEY CUTTER	378.43	363.29	348.75	334.81
23	23-1250	3 X .0625 LARGE KEY CUTTER	350.63	336.60	323.14	310.21
23	23-1250-C	3 X .0625 LARGE KEY CUTTER	378.43	363.29	348.75	334.81
23	23-1260	3 X .0938 LARGE KEY CUTTER	350.63	336.60	323.14	310.21
23	23-1260-C	3 X .0938 LARGE KEY CUTTER	378.43	363.29	348.75	334.81
23	23-1270	3 X .1250 LARGE KEY CUTTER	350.63	336.60	323.14	310.21
23	23-1270-C	3 X .1250 LARGE KEY CUTTER	378.43	363.29	348.75	334.81
23	23-1280	3 X .1875 LARGE KEY CUTTER	350.63	336.60	323.14	310.21
23	23-1280-C	3 X .1875 LARGE KEY CUTTER	378.43	363.29	348.75	334.81
23	23-1290	3 X .2500 LARGE KEY CUTTER	350.63	336.60	323.14	310.21
23	23-1290-C	3 X .2500 LARGE KEY CUTTER	378.43	363.29	348.75	334.81
24	24-1170	R-032-3 1/16 DIA X .031/.032 X 3/16 GROOVE TOOL	28.86	27.70	26.60	25.53
24	24-1170-C	R-032-3 1/16 DIA X .031/.032 X 3/16 GROOVE TOOL	30.45	29.22	28.06	26.94
24	24-1175	R-032-4 1/16 DIA X .031/.032 X 1/4 GROOVE TOOL	28.86	27.70	26.60	25.53
24	24-1175-C	R-032-4 1/16 DIA X .031/.032 X 1/4 GROOVE TOOL	30.45	29.22	28.06	26.98
24	24-1180	R-032-6 1/16 DIA X .031/.032 X 3/8 GROOVE TOOL	28.86	27.70	26.60	25.53
24	24-1180-C	R-032-6 1/16 DIA X .031/.032 X 3/8 GROOVE TOOL	30.45	29.22	28.06	26.94
24	24-1185	R-047-4 3/32 DIA X .046/.047 X 1/4 GROOVE TOOL	28.86	27.70	26.60	25.53
24	24-1185-C	R-047-4 3/32 DIA X .046/.047 X 1/4 GROOVE TOOL	30.45	29.22	28.06	26.94
24	24-1190	R-047-6 3/32 DIA X .046/.047 X 3/8 GROOVE TOOL	28.86	27.70	26.60	25.53
24	24-1190-C	R-047-6 3/32 DIA X .046/.047 X 3/8 GROOVE TOOL	30.45	29.22	28.06	26.94

24	24-1195	R-047-8 3/32 DIA X .046/.047 X 1/2 GROOVE TOOL	28.86	27.70	26.60	25.53
24	24-1195-C	R-047-8 3/32 DIA X .046/.047 X 1/2 GROOVE TOOL	30.45	29.22	28.06	26.94
24	24-1200	R-064-4 1/8 DIA X .062/.063 X 1/4 GROOVE TOOL	28.86	27.70	26.60	25.53
24	24-1200-C	R-064-4 1/8 DIA X .062/.063 X 1/4 GROOVE TOOL	30.45	29.22	28.06	28.06
24	24-1205	R-064-6 1/8 DIA X .062/.063 X 3/8 GROOVE TOOL	28.86	27.70	26.60	25.53
24	24-1205-C	R-064-6 1/8 DIA X .062/.063 X 3/8 GROOVE TOOL	30.45	29.22	28.06	26.94
24	24-1210	R-064-8 1/8 DIA X .062/.063 X 1/2 GROOVE TOOL	28.86	27.70	26.60	25.53
24	24-1210-C	R-064-8 1/8 DIA X .062/.063 X 1/2 GROOVE TOOL	30.45	29.22	28.06	26.94
24	24-1215	R-064-10 1/8 DIA X .062/.063 X 5/8 GROOVE TOOL	28.86	27.70	26.60	25.53
24	24-1215-C	R-064-10 1/8 DIA X .062/.063 X 5/8 GROOVE TOOL	30.45	29.22	28.06	26.94
24	24-1220	R-018-4 3/16 DIA X .017/.018 X 1/4 GROOVE TOOL	33.45	32.11	30.83	29.59
24	24-1220-C	R-018-4 3/16 DIA X .017/.018 X 1/4 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1225	R-018-6 3/16 DIA X .017/.018 X 3/8 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1225-C	R-018-6 3/16 DIA X .017/.018 X 3/8 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1230	R-018-8 3/16 DIA X .017/.018 X 1/2 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1230-C	R-018-8 3/16 DIA X .017/.018 X 1/2 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1235	R-018-10 3/16 DIA X .017/.018 X 5/8 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1235-C	R-018-10 3/16 DIA X .017/.018 X 5/8 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1240	R-026-4 3/16 DIA X .025/.026 X 1/4 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1240-C	R-026-4 3/16 DIA X .025/.026 X 1/4 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1245	R-026-6 3/16 DIA X .025/.026 X 3/8 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1245-C	R-026-6 3/16 DIA X .025/.026 X 3/8 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1250	R-026-8 3/16 DIA X .025/.026 X 1/2 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1250-C	R-026-8 3/16 DIA X .025/.026 X 1/2 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1255	R-026-10 3/16 DIA X .025/.026 X 5/8 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1255-C	R-026-10 3/16 DIA X .025/.026 X 5/8 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1260	R-031-4 3/16 DIA X .030/.031 X 1/4 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1260-C	R-031-4 3/16 DIA X .030/.031 X 1/4 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1265	R-031-6 3/16 DIA X .030/.031 X 3/8 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1265-C	R-031-6 3/16 DIA X .030/.031 X 3/8 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1270	R-031-8 3/16 DIA X .030/.031 X 1/2 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1270-C	R-031-8 3/16 DIA X .030/.031 X 1/2 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1275	R-031-10 3/16 DIA X .030/.031 X 5/8 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1275-C	R-031-10 3/16 DIA X .030/.031 X 5/8 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1280	R-061-4 3/16 DIA X .062/.063 X 1/4 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1280-C	R-061-4 3/16 DIA X .062/.063 X 1/4 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1285	R-061-6 3/16 DIA X .062/.063 X 3/8 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1285-C	R-061-6 3/16 DIA X .062/.063 X 3/8 GROOVE TOOL	35.77	34.34	32.97	31.65

24	24-1290	R-061-8 3/16 DIA X .062/.063 X 1/2 GROOVE TOOL	33.45	32.11	30.84	29.59
24	24-1290-C	R-061-8 3/16 DIA X .062/.063 X 1/2 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1295	R-061-10 3/16 DIA X .062/.063 X 5/8 GROOVE TOOL	33.45	32.11	30.84	0.00
24	24-1295-C	R-061-10 3/16 DIA X .062/.063 X 5/8 GROOVE TOOL	35.77	34.34	32.97	31.65
24	24-1300	R-017-4 1/4 DIA X .017/.018 X 1/4 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1300-C	R-017-4 1/4 DIA X .017/.018 X 1/4 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1305	R-017-6 1/4 DIA X .017/.018 X 3/8 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1305-C	R-017-6 1/4 DIA X .017/.018 X 3/8 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1310	R-017-8 1/4 DIA X .017/.018 X 1/2 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1310-C	R-017-8 1/4 DIA X .017/.018 X 1/2 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1315	R-017-10 1/4 DIA X .017/.018 X 5/8 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1315-C	R-017-10 1/4 DIA X .017/.018 X 5/8 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1320	R-025-4 1/4 DIA X .025/.026 X 1/4 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1320-C	R-025-4 1/4 DIA X .025/.026 X 1/4 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1325	R-025-6 1/4 DIA X .025/.026 X 3/8 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1325-C	R-025-6 1/4 DIA X .025/.026 X 3/8 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1330	R-025-8 1/4 DIA X .025/.026 X 1/2 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1330-C	R-025-8 1/4 DIA X .025/.026 X 1/2 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1335	R-025-10 1/4 DIA X .025/.026 X 5/8 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1335-C	R-025-10 1/4 DIA X .025/.026 X 5/8 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1340	R-030-4 1/4 DIA X .030/.031 X 1/4 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1340-C	R-030-4 1/4 DIA X .030/.031 X 1/4 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1345	R-030-6 1/4 DIA X .030/.031 X 3/8 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1345-C	R-030-6 1/4 DIA X .030/.031 X 3/8 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1350	R-030-8 1/4 DIA X .030/.031 X 1/2 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1350-C	R-030-8 1/4 DIA X .030/.031 X 1/2 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1355	R-030-10 1/4 DIA X .030/.031 X 5/8 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1355-C	R-030-10 1/4 DIA X .030/.031 X 5/8 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1356	R-060-6 1/4 DIA X .062/.064 X 3/8 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1356-C	R-060-6 1/4 DIA X .062/.064 X 3/8 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1357	R-060-8 1/4 DIA X .062/.064 X 1/2 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1357-C	R-060-8 1/4 DIA X .062/.064 X 1/2 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1358	R-060-10 1/4 DIA X .062/.064 X 5/8 FULL RADIUS GROOVE TOOL	35.11	33.76	32.40	31.06
24	24-1358-C	R-060-10 1/4 DIA X .062/.064 X 5/8 FULL RADIUS GROOVE TOOL	40.03	38.68	37.33	35.97
24	24-1360	R-033-4 5/16 DIA X .033/.034 X 1/4 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1360-C	R-033-4 5/16 DIA X .033/.034 X 1/4 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1365	R-033-6 5/16 DIA X .033/.034 X 3/8 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1365-C	R-033-6 5/16 DIA X .033/.034 X 3/8 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54

24	24-1370	R-033-8 5/16 DIA X .033/.034 X 1/2 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1370-C	R-033-8 5/16 DIA X .033/.034 X 1/2 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1372	R-033-10 5/16 DIA X .033/.034 X 5/8 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1372-C	R-033-10 5/16 DIA X .033/.034 X 5/8 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1375	R-033-12 5/16 DIA X .033/.034 X 3/4 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1375-C	R-033-12 5/16 DIA X .033/.034 X 3/4 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1380	R-038-4 5/16 DIA X .038/.039 X 1/4 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1380-C	R-038-4 5/16 DIA X .038/.039 X 1/4 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1385	R-038-6 5/16 DIA X .038/.039 X 3/8 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1385-C	R-038-6 5/16 DIA X .038/.039 X 3/8 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1390	R-038-8 5/16 DIA X .038/.039 X 1/2 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1390-C	R-038-8 5/16 DIA X .038/.039 X 1/2 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1395	R-038-12 5/16 DIA X .038/.039 X 3/4 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1395-C	R-038-12 5/16 DIA X .038/.039 X 3/4 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1400	R-063-8 5/16 DIA X .062/.064 X 1/2 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1400-C	R-063-8 5/16 DIA X .062/.064 X 1/2 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1405	R-063-12 5/16 DIA X .062/.064 X 3/4 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1405-C	R-063-12 5/16 DIA X .062/.064 X 3/4 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1410	R-063-16 5/16 DIA X .062/.064 X 1 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1410-C	R-063-16 5/16 DIA X .062/.064 X 1 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1415	R-094-8 5/16 DIA X .093/.095 X 1/2 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1415-C	R-094-8 5/16 DIA X .093/.095 X 1/2 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1420	R-094-12 5/16 DIA X .093/.095 X 3/4 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1420-C	R-094-12 5/16 DIA X .093/.095 X 3/4 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1425	R-094-16 5/16 DIA X .093/.095 X 1 FULL RADIUS GROOVE TOOL	44.33	42.64	40.93	39.22
24	24-1425-C	R-094-16 5/16 DIA X .093/.095 X 1 FULL RADIUS GROOVE TOOL	51.66	49.95	48.24	46.54
24	24-1430	R-039-4 3/8 DIA X .039/.041 X 1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1430-C	R-039-4 3/8 DIA X .039/.041 X 1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1435	R-039-6 3/8 DIA X .039/.041 X 3/8 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1435-C	R-039-6 3/8 DIA X .039/.041 X 3/8 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1440	R-039-8 3/8 DIA X .039/.041 X 1/2 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1440-C	R-039-8 3/8 DIA X .039/.041 X 1/2 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1442	R-039-10 3/8 DIA X .039/.041 X 5/8 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1442-C	R-039-10 3/8 DIA X .039/.041 X 5/8 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1445	R-039-12 3/8 DIA X .039/.041 X 3/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1445-C	R-039-12 3/8 DIA X .039/.041 X 3/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1450	R-039-16 3/8 DIA X .039/.041 X 1 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1450-C	R-039-16 3/8 DIA X .039/.041 X 1 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29

24	24-1455	R-039-20 3/8 DIA X .039/.041 X 1-1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1455-C	R-039-20 3/8 DIA X .039/.041 X 1-1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1460	R-046-4 3/8 DIA X .046/.048 X 1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1460-C	R-046-4 3/8 DIA X .046/.048 X 1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1465	R-046-6 3/8 DIA X .046/.048 X 3/8 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1465-C	R-046-6 3/8 DIA X .046/.048 X 3/8 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1470	R-046-8 3/8 DIA X .046/.048 X 1/2 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1470-C	R-046-8 3/8 DIA X .046/.048 X 1/2 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1475	R-046-12 3/8 DIA X .046/.048 X 3/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1475-C	R-046-12 3/8 DIA X .046/.048 X 3/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1480	R-046-16 3/8 DIA X .046/.048 X 1 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1480-C	R-046-16 3/8 DIA X .046/.048 X 1 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1485	R-046-20 3/8 DIA X .046/.048 X 1-1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1485-C	R-046-20 3/8 DIA X .046/.048 X 1-1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1490	R-055-4 3/8 DIA X .055/.057 X 1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1490-C	R-055-4 3/8 DIA X .055/.057 X 1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1495	R-055-6 3/8 DIA X .055/.057 X 3/8 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1495-C	R-055-6 3/8 DIA X .055/.057 X 3/8 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1500	R-055-8 3/8 DIA X .055/.057 X 1/2 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1500-C	R-055-8 3/8 DIA X .055/.057 X 1/2 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1505	R-055-12 3/8 DIA X .055/.057 X 3/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1505-C	R-055-12 3/8 DIA X .055/.057 X 3/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1510	R-055-16 3/8 DIA X .055/.057 X 1 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1510-C	R-055-16 3/8 DIA X .055/.057 X 1 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1515	R-055-20 3/8 DIA X .055/.057 X 1-1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1515-C	R-055-20 3/8 DIA X .055/.057 X 1-1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1520	R-062-4 3/8 DIA X .062/.064 X 1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1520-C	R-062-4 3/8 DIA X .062/.064 X 1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1525	R-062-6 3/8 DIA X .062/.064 X 3/8 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1525-C	R-062-6 3/8 DIA X .062/.064 X 3/8 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1530	R-062-8 3/8 DIA X .062/.064 X 1/2 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1530-C	R-062-8 3/8 DIA X .062/.064 X 1/2 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1535	R-062-12 3/8 DIA X .062/.064 X 3/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1535-C	R-062-12 3/8 DIA X .062/.064 X 3/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1540	R-062-16 3/8 DIA X .062/.064 X 1 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1540-C	R-062-16 3/8 DIA X .062/.064 X 1 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1545	R-062-20 3/8 DIA X .062/.064 X 1-1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1545-C	R-062-20 3/8 DIA X .062/.064 X 1-1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29

24	24-1550	R-069-4 3/8 DIA X .069/.071 X 1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1550-C	R-069-4 3/8 DIA X .069/.071 X 1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1555	R-069-6 3/8 DIA X .069/.071 X 3/8 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1555-C	R-069-6 3/8 DIA X .069/.071 X 3/8 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1560	R-069-8 3/8 DIA X .069/.071 X 1/2 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1560-C	R-069-8 3/8 DIA X .069/.071 X 1/2 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1565	R-069-12 3/8 DIA X .069/.071 X 3/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1565-C	R-069-12 3/8 DIA X .069/.071 X 3/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1570	R-069-16 3/8 DIA X .069/.071 X 1 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1570-C	R-069-16 3/8 DIA X .069/.071 X 1 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1575	R-069-20 3/8 DIA X .069/.071 X 1-1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1575-C	R-069-20 3/8 DIA X .069/.071 X 1-1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1580	R-087-4 3/8 DIA X .087/.089 X 1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1580-C	R-087-4 3/8 DIA X .087/.089 X 1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1585	R-087-6 3/8 DIA X .087/.089 X 3/8 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1585-C	R-087-6 3/8 DIA X .087/.089 X 3/8 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1590	R-087-8 3/8 DIA X .087/.089 X 1/2 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1590-C	R-087-8 3/8 DIA X .087/.089 X 1/2 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1595	R-087-12 3/8 DIA X .087/.089 X 3/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1595-C	R-087-12 3/8 DIA X .087/.089 X 3/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1600	R-087-16 3/8 DIA X .087/.089 X 1 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1600-C	R-087-16 3/8 DIA X .087/.089 X 1 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1605	R-087-20 3/8 DIA X .087/.089 X 1-1/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1605-C	R-087-20 3/8 DIA X .087/.089 X 1-1/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1610	R-095-8 3/8 DIA X .093/.095 X 1/2 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1610-C	R-095-8 3/8 DIA X .093/.095 X 1/2 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1615	R-095-12 3/8 DIA X .093/.095 X 3/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1615-C	R-095-12 3/8 DIA X .093/.095 X 3/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1620	R-095-16 3/8 DIA X .093/.095 X 1 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1620-C	R-095-16 3/8 DIA X .093/.095 X 1 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1625	R-126-8 3/8 DIA X .125/.127 X 1/2 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1625-C	R-126-8 3/8 DIA X .125/.127 X 1/2 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1630	R-126-12 3/8 DIA X .125/.127 X 3/4 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1630-C	R-126-12 3/8 DIA X .125/.127 X 3/4 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1635	R-126-16 3/8 DIA X .125/.127 X 1 FULL RADIUS GROOVE TOOL	56.50	54.33	52.15	49.98
24	24-1635-C	R-126-16 3/8 DIA X .125/.127 X 1 FULL RADIUS GROOVE TOOL	63.81	61.64	59.47	57.29
24	24-1640	R-093-8 1/2 DIA X .093/.095 X 1/2 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1640-C	R-093-8 1/2 DIA X .093/.095 X 1/2 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55

24	24-1645	R-093-12 1/2 DIA X .093/.095 X 3/4 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1645-C	R-093-12 1/2 DIA X .093/.095 X 3/4 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1650	R-093-16 1/2 DIA X .093/.095 X 1 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	68.11
24	24-1650-C	R-093-16 1/2 DIA X .093/.095 X 1 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1655	R-093-20 1/2 DIA X .093/.095 X 1-1/4 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1655-C	R-093-20 1/2 DIA X .093/.095 X 1-1/4 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1660	R-093-24 1/2 DIA X .093/.095 X 1-1/2 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1660-C	R-093-24 1/2 DIA X .093/.095 X 1-1/2 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1665	R-125-8 1/2 DIA X .125/.127 X 1/2 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1665-C	R-125-8 1/2 DIA X .125/.127 X 1/2 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1670	R-125-12 1/2 DIA X .125/.127 X 3/4 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1670-C	R-125-12 1/2 DIA X .125/.127 X 3/4 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1675	R-125-16 1/2 DIA X .125/.127 X 1 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1675-C	R-125-16 1/2 DIA X .125/.127 X 1 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1680	R-125-20 1/2 DIA X .125/.127 X 1-1/4 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1680-C	R-125-20 1/2 DIA X .125/.127 X 1-1/4 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1685	R-125-24 1/2 DIA X .125/.127 X 1-1/2 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1685-C	R-125-24 1/2 DIA X .125/.127 X 1-1/2 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1690	R-156-8 1/2 DIA X .156/.158 X 1/2 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1690-C	R-156-8 1/2 DIA X .156/.158 X 1/2 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1695	R-156-12 1/2 DIA X .156/.158 X 3/4 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1695-C	R-156-12 1/2 DIA X .156/.158 X 3/4 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1700	R-156-16 1/2 DIA X .156/.158 X 1 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1700-C	R-156-16 1/2 DIA X .156/.158 X 1 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1705	R-156-20 1/2 DIA X .156/.158 X 1-1/4 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1705-C	R-156-20 1/2 DIA X .156/.158 X 1-1/4 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1710	R-156-24 1/2 DIA X .156/.158 X 1-1/2 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	62.77
24	24-1710-C	R-156-24 1/2 DIA X .156/.158 X 1-1/2 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1715	R-187-8 1/2 DIA X .187/.189 X 1/2 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1715-C	R-187-8 1/2 DIA X .187/.189 X 1/2 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1720	R-187-12 1/2 DIA X .187/.189 X 3/4 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1720-C	R-187-12 1/2 DIA X .187/.189 X 3/4 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1725	R-187-16 1/2 DIA X .187/.189 X 1 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1725-C	R-187-16 1/2 DIA X .187/.189 X 1 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1730	R-187-20 1/2 DIA X .187/.189 X 1-1/4 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1730-C	R-187-20 1/2 DIA X .187/.189 X 1-1/4 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1735	R-187-24 1/2 DIA X .187/.189 X 1-1/2 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1735-C	R-187-24 1/2 DIA X .187/.189 X 1-1/2 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55

24	24-1740	R-250-8 1/2 DIA X .250/.252 X 1/2 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1740-C	R-250-8 1/2 DIA X .250/.252 X 1/2 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1745	R-250-12 1/2 DIA X .250/.252 X 3/4 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	70.73
24	24-1745-C	R-250-12 1/2 DIA X .250/.252 X 3/4 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1750	R-250-16 1/2 DIA X .250/.252 X 1 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1750-C	R-250-16 1/2 DIA X .250/.252 X 1 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1755	R-250-20 1/2 DIA X .250/.252 X 1-1/4 FULL RADIUS GROOVE TOOL	76.62	68.27	70.73	67.78
24	24-1755-C	R-250-20 1/2 DIA X .250/.252 X 1-1/4 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
24	24-1760	R-250-24 1/2 DIA X .250/.252 X 1-1/2 FULL RADIUS GROOVE TOOL	76.62	73.68	70.73	67.78
24	24-1760-C	R-250-24 1/2 DIA X .250/.252 X 1-1/2 FULL RADIUS GROOVE TOOL	86.40	83.43	80.49	77.55
26	26-1100	G-640-3-S 3 STEEL SHANK INSERT GROOVE TOOL	95.82	92.13	88.45	84.76
26	26-1105	G-640-3-C 3 CARBIDE SHANK INSERT GROOVE TOOL	123.91	119.15	114.38	109.61
26	26-1110	G-640-3-CO 3 CARBIDE COOLANT HOLE INSERT GROOVE TOOL	339.02	325.97	312.93	299.90
26	26-1115	G-640-6-S 6 STEEL SHANK INSERT GROOVE TOOL	103.11	99.14	95.18	91.21
26	26-1120	G-640-6-C 6 CARBIDE SHANK INSERT GROOVE TOOL	223.08	214.50	205.92	197.34
26	26-1125	G-640-6-CO 6 CARBIDE COOLANT HOLE INSERT GROOVE TOOL	391.10	376.05	361.01	345.97
26	26-1130	G-640-9-S 9 STEEL SHANK INSERT GROOVE TOOL	114.22	109.83	105.43	101.04
26	26-1135	G-640-9-C 9 CARBIDE SHANK INSERT GROOVE TOOL	277.57	266.90	256.22	245.54
26	26-1140	G-640-9-CO 9 CARBIDE COOLANT HOLE INSERT GROOVE TOOL	462.15	444.36	426.59	408.81
26	26-1145	G-640-12-S 12 STEEL SHANK INSERT GROOVE TOOL	121.94	117.25	112.56	107.87
26	26-1150	G-640-12-C 12 CARBIDE SHANK INSERT GROOVE TOOL	485.05	466.40	447.74	429.08
26	26-1155	G-640-12-CO 12 CARBIDE COOLANT HOLE INSERT GROOVE TOOL	554.56	533.23	511.90	490.57
26	26-1160	G-750-3-S 3 STEEL SHANK INSERT GROOVE TOOL	104.26	100.24	96.23	92.23
26	26-1165	G-750-3-C 3 CARBIDE SHANK INSERT GROOVE TOOL	196.91	189.32	181.75	174.18
26	26-1170	G-750-3-CO 3 CARBIDE COOLANT HOLE INSERT GROOVE TOOL	373.78	359.40	345.03	330.66
26	26-1175	G-750-6-S 6 STEEL SHANK INSERT GROOVE TOOL	113.45	109.09	104.72	100.36
26	26-1180	G-750-6-C 6 CARBIDE SHANK INSERT GROOVE TOOL	390.31	375.29	360.29	345.28
26	26-1185	G-750-6-CO 6 CARBIDE COOLANT HOLE INSERT GROOVE TOOL	455.51	437.98	420.46	402.94
26	26-1190	G-750-9-S 9 STEEL SHANK INSERT GROOVE TOOL	130.31	125.30	120.30	115.28
26	26-1195	G-750-9-C 9 CARBIDE SHANK INSERT GROOVE TOOL	412.32	396.46	380.60	364.74
26	26-1200	G-750-9-CO 9 CARBIDE COOLANT HOLE INSERT GROOVE TOOL	552.36	531.12	509.88	488.63
26	26-1205	G-750-12-S 12 STEEL SHANK INSERT GROOVE TOOL	144.11	138.57	133.03	127.49
26	26-1210	G-750-12-C 12 CARBIDE SHANK INSERT GROOVE TOOL	521.57	501.51	481.45	461.39
26	26-1215	G-750-12-CO 12 CARBIDE COOLANT HOLE INSERT GROOVE TOOL	695.97	669.20	642.43	615.66
26	26-1700	16 NR-NG.031 UNCOATED INSERT	19.51	18.77	18.01	17.26
26	26-1705	16 NR-NG.047 UNCOATED INSERT	19.51	18.77	18.01	17.26
26	26-1710	16 NR-NG.062 UNCOATED INSERT	19.51	18.77	18.01	17.26
26	26-1715	16 NR-NG.078 UNCOATED INSERT	19.51	18.77	18.01	17.26

26	26-1720	16 NR-NG.094 UNCOATED INSERT	19.51	18.77	18.01	17.26
26	26-1725	16 NR-NG.097 UNCOATED INSERT	19.51	18.77	18.01	17.26
26	26-1730	16 NR-NG.125 UNCOATED INSERT	19.51	18.77	18.01	17.26
26	26-1735	16 NR-NG.031 COATED INSERT	21.76	20.93	20.09	19.25
26	26-1740	16 NR-NG.047 COATED INSERT	21.76	20.93	20.09	19.25
26	26-1745	16 NR-NG.062 COATED INSERT	21.76	20.93	20.09	19.25
26	26-1750	16 NR-NG.078 COATED INSERT	21.76	20.93	20.09	19.25
26	26-1755	16 NR-NG.094 COATED INSERT	21.76	20.93	20.09	19.25
26	26-1760	16 NR-NG.097 COATED INSERT	21.76	20.93	20.09	19.25
26	26-1765	16 NR-NG.125 COATED INSERT	21.76	20.93	20.09	19.25
27	27-1300	0-096-8 .250 X .096/.098 O-RING GROOVE TOOL	34.44	33.12	31.79	30.47
27	27-1300-C	0-096-8 .250 X .096/.098 O-RING GROOVE TOOL	37.41	36.09	34.77	33.44
27	27-1305	0-141-9 .250 X .141/.143 O-RING GROOVE TOOL	34.44	33.12	31.79	30.47
27	27-1305-C	0-141-9 .250 X .141/.143 O-RING GROOVE TOOL	37.41	36.09	34.77	33.44
27	27-1310	0-144-10 .250 X .144/.146 O-RING GROOVE TOOL	34.44	33.12	31.79	30.47
27	27-1310-C	0-144-10 .250 X .144/.146 O-RING GROOVE TOOL	37.41	36.09	34.77	33.44
27	27-1315	0-174-12 .375 X .174/.176 O-RING GROOVE TOOL	56.60	54.43	52.24	50.07
27	27-1315-C	0-174-12 .375 X .174/.176 O-RING GROOVE TOOL	63.17	60.99	58.81	56.63
27	27-1320	0-208-13 .375 X .208/.210 O-RING GROOVE TOOL	56.60	54.43	52.24	50.07
27	27-1320-C	0-208-13 .375 X .208/.210 O-RING GROOVE TOOL	63.17	60.99	58.81	56.63
27	27-1325	0-241-15 .375 X .241 / .243 O-RING GROOVE TOOL	56.60	54.43	52.24	50.07
27	27-1325-C	0-241-15 .375 X .241 / .243 O-RING GROOVE TOOL	63.17	60.99	58.81	56.63
29	29-4000	1/8 X .107 X .250 NECK LENGTH UNDERCUTTING ENDMILL	26.77	25.96	25.19	24.43
29	29-4000-C	1/8 X .107 X .250 NECK LENGTH UNDERCUTTING ENDMILL	31.05	30.12	29.21	28.34
29	29-4005	1/8 X .107 X .375 NECK LENGTH UNDERCUTTING ENDMILL	26.77	25.96	25.19	24.43
29	29-4005-C	1/8 X .107 X .375 NECK LENGTH UNDERCUTTING ENDMILL	31.05	30.12	29.21	28.34
29	29-4010	1/8 X .107 X .500 NECK LENGTH UNDERCUTTING ENDMILL	28.05	27.21	26.40	25.60
29	29-4010-C	1/8 X .107 X .500 NECK LENGTH UNDERCUTTING ENDMILL	32.34	31.37	30.43	29.52
29	29-4015	1/8 X .107 X .750 NECK LENGTH UNDER CUTTING ENDMILL	28.05	27.21	26.40	25.60
29	29-4015-C	1/8 X .107 X .750 NECK LENGTH UNDER CUTTING ENDMILL	32.34	31.37	30.43	29.52
29	29-4020	1/8 X .107 X 1.00 NECK LENGTH UNDERCUTTING ENDMILL	32.55	31.57	30.62	29.70
29	29-4020-C	1/8 X .107 X 1.00 NECK LENGTH UNDERCUTTING ENDMILL	36.84	35.73	34.65	33.62
29	29-4025	1/8 X .107 X 1.250 NECK LENGTH UNDERCUTTING ENDMILL	32.55	31.57	30.62	29.70
29	29-4025-C	1/8 X .107 X 1.250 NECK LENGTH UNDERCUTTING ENDMILL	36.84	35.73	34.65	33.62
29	29-4030	1/8 X .107 X 1.50 NECK LENGTH UNDERCUTTING ENDMILL	37.35	36.04	34.96	33.91
29	29-4030-C	1/8 X .107 X 1.50 NECK LENGTH UNDERCUTTING ENDMILL	41.44	40.19	38.98	37.82
29	29-4035	3/16 X .160 X .250 NECK LENGTH UNDERCUTTING ENDMILL	32.87	31.89	30.90	30.00
29	29-4035-C	3/16 X .160 X .250 NECK LENGTH UNDERCUTTING ENDMILL	37.48	36.35	35.26	34.20

29	29-4040	3/16 X .160 X .375 REACH UNDERCUTTING ENDMILL	32.87	31.89	30.90	30.00
29	29-4040-C	3/16 X .160 X .375 REACH UNDERCUTTING ENDMILL	37.48	36.35	35.26	34.20
29	29-4045	3/16 X .160 X .500 NECK LENGTH UNDERCUTTING ENDMILL	35.97	34.89	33.85	32.82
29	29-4045-C	3/16 X .160 X .500 NECK LENGTH UNDERCUTTING ENDMILL	40.58	39.37	38.18	37.03
29	29-4050	3/16 X .160 X .750 NECK LENGTH UNDERCUTTING ENDMILL	35.97	34.89	33.85	32.82
29	29-4050-C	3/16 X .160 X .750 NECK LENGTH UNDERCUTTING ENDMILL	40.58	39.37	38.18	37.03
29	29-4055	3/16 X .160 X 1.00 NECK LENGTH UNDERCUTTING ENDMILL	40.80	39.58	38.39	37.24
29	29-4055-C	3/16 X .160 X 1.00 NECK LENGTH UNDERCUTTING ENDMILL	45.41	44.04	42.72	41.01
29	29-4060	3/16 X .160 X 1.25 NECK LENGTH UNDERCUTTING ENDMILL	40.80	39.58	38.39	37.24
29	29-4060-C	3/16 X .160 X 1.25 NECK LENGTH UNDERCUTTING ENDMILL	45.41	44.04	42.72	41.01
29	29-4065	3/16 X .160 X 1.5 NECK LENGTH UNDER CUTTING ENDMILL	44.33	43.00	41.71	40.46
29	29-4065-C	3/16 X .160 X 1.5 NECK LENGTH UNDER CUTTING ENDMILL	48.93	47.46	46.04	44.66
29	29-4070	1/4 X .213 X .250 NECK LENGTH UNDERCUTTING ENDMILL	40.47	39.26	38.08	36.94
29	29-4070-C	1/4 X .213 X .250 NECK LENGTH UNDERCUTTING ENDMILL	46.90	45.49	44.13	42.81
29	29-4075	1/4 X .213 X .375 NECK LENGTH UNDERCUTTING ENDMILL	42.94	41.65	40.41	39.19
29	29-4075-C	1/4 X .213 X .375 NECK LENGTH UNDERCUTTING ENDMILL	49.36	47.88	46.44	45.05
29	29-4080	1/4 X .213 X .500 NECK LENGTH UNDERCUTTING ENDMILL	42.94	41.65	40.41	39.19
29	29-4080-C	1/4 X .213 X .500 NECK LENGTH UNDERCUTTING ENDMILL	49.36	47.88	46.44	45.05
29	29-4085	1/4 X .213 X .750 NECK LENGTH UNDERCUTTING ENDMILL	44.86	43.52	42.21	40.95
29	29-4085-C	1/4 X .213 X .750 NECK LENGTH UNDERCUTTING ENDMILL	51.29	49.74	48.26	46.81
29	29-4090	1/4 X .213 X 1.00 NECK LENGTH UNDERCUTTING ENDMILL	44.86	43.52	42.21	40.95
29	29-4090-C	1/4 X .213 X 1.00 NECK LENGTH UNDERCUTTING ENDMILL	51.29	49.74	48.26	46.81
29	29-4095	1/4 X .213 X 1.250 NECK LENGTH UNDERCUTTING ENDMILL	44.86	43.52	42.21	40.95
29	29-4095-C	1/4 X .213 X 1.250 NECK LENGTH UNDERCUTTING ENDMILL	51.29	49.74	48.26	46.81
29	29-4100	1/4 X .213 X 1.5 NECK LENGTH UNDERCUTTING ENDMILL	51.93	50.37	48.86	47.40
29	29-4100-C	1/4 X .213 X 1.5 NECK LENGTH UNDERCUTTING ENDMILL	58.36	56.60	54.91	53.26
29	29-4105	1/4 X .213 X 2.0 NECK LENGTH UNDERCUTTING ENDMILL	59.64	57.85	56.11	54.44
29	29-4105-C	1/4 X .213 X 2.0 NECK LENGTH UNDERCUTTING ENDMILL	64.89	62.94	61.06	59.23
29	29-4110	5/16 X .266 X .250 NECK LENGTH UNDERCUTTING ENDMILL	54.07	52.46	50.88	49.35
29	29-4110-C	5/16 X .266 X .250 NECK LENGTH UNDERCUTTING ENDMILL	61.58	59.73	57.93	56.19
29	29-4115	5/16 X .266 X .375 NECK LENGTH UNDERCUTTING ENDMILL	56.32	54.63	52.99	51.41
29	29-4115-C	5/16 X .266 X .375 NECK LENGTH UNDERCUTTING ENDMILL	63.81	61.90	60.05	58.24
29	29-4120	5/16 X .266 X .500 NECK LENGTH UNDERCUTTING ENDMILL	56.32	54.63	52.99	51.41
29	29-4120-C	5/16 X .266 X .500 NECK LENGTH UNDERCUTTING ENDMILL	63.81	61.90	60.05	58.24
29	29-4125	5/16 X .266 X 1.000 NECK LENGTH UNDERCUTTING END MILL	58.05	56.31	54.62	52.98
29	29-4125-C	5/16 X .266 X 1.00 NECK LENGTH UNDERCUTTING END MILL	64.57	62.64	60.75	58.93
29	29-4130	5/16 X .266 X 1.250 NECK LENGTH UNDERCUTTING ENDMILL	58.05	56.31	54.62	52.98
29	29-4130-C	5/16 X .266 X 1.250 NECK LENGTH UNDERCUTTING ENDMILL	64.57	62.64	60.75	58.93

29	29-4135	5/16 X .266 X 1.500 NECK LENGTH UNDERCUTTING ENDMILL	58.05	56.31	54.62	52.98
29	29-4135-C	5/16 X .266 X 1.500 NECK LENGTH UNDERCUTTING ENDMILL	64.57	62.64	60.75	58.93
29	29-4140	5/16 X .266 X 2.0 NECK LENGTH UNDERCUTTING ENDMILL	69.93	67.83	65.79	63.81
29	29-4140-C	5/16 X .266 X 2.0 NECK LENGTH UNDERCUTTING ENDMILL	77.42	75.10	72.85	70.65
29	29-4145	3/8 X .325 X .250 NECK LENGTH UNDERCUTTING ENDMILL	58.46	56.71	55.01	53.36
29	29-4145-C	3/8 X .325 X .250 NECK LENGTH UNDERCUTTING ENDMILL	67.03	65.01	63.07	61.18
29	29-4150	3/8 X .325 X .375 NECK LENGTH UNDERCUTTING ENDMILL	59.64	57.85	56.11	54.44
29	29-4150-C	3/8 X .325 X .375 NECK LENGTH UNDERCUTTING ENDMILL	68.21	66.16	64.20	62.26
29	29-4155	3/8 X .325 X .500 NECK LENGTH UNDERCUTTING ENDMILL	59.64	57.85	56.11	54.44
29	29-4155-C	3/8 X .325 X .500 NECK LENGTH UNDERCUTTING ENDMILL	68.21	66.16	64.20	62.26
29	29-4160	3/8 X .325 X .750 NECK LENGTH UNDERCUTTING ENDMILL	60.82	59.00	57.23	55.51
29	29-4160-C	3/8 X .325 X .750 NECK LENGTH UNDERCUTTING ENDMILL	68.31	66.27	64.28	62.35
29	29-4165	3/8 X .325 X 1.0 NECK LENGTH UNDERCUTTING ENDMILL	60.82	59.00	57.23	55.51
29	29-4165-C	3/8 X .325 X 1.0 NECK LENGTH UNDERCUTTING ENDMILL	68.31	66.27	64.28	62.35
29	29-4170	3/8 X .325 X 1.25 NECK LENGTH UNDERCUTTING ENDMILL	60.82	59.00	57.23	55.51
29	29-4170-C	3/8 X .325 X 1.25 NECK LENGTH UNDERCUTTING ENDMILL	68.31	66.27	64.28	62.35
29	29-4175	3/8 X .325 X 1.5 NECK LENGTH UNDERCUTTING ENDMILL	73.88	71.67	69.51	67.44
29	29-4175-C	3/8 X .325 X 1.5 NECK LENGTH UNDERCUTTING ENDMILL	82.45	79.97	77.60	75.25
29	29-4180	3/8 X .325 X 2.0 NECK LENGTH UNDERCUTTING ENDMILL	73.88	71.67	69.51	67.44
29	29-4180-C	3/8 X .325 X 2.0 NECK LENGTH UNDERCUTTING ENDMILL	82.45	79.97	77.60	75.25
29	29-4185	1/2 X .425 X .375 NECK LENGTH UNDERCUTTING ENDMILL	82.77	80.29	77.88	75.55
29	29-4185-C	1/2 X .425 X .375 NECK LENGTH UNDERCUTTING ENDMILL	94.54	91.71	88.96	86.29
29	29-4190	1/2 X .425 X .500 NECK LENGTH UNDERCUTTING END MILL	84.81	82.27	79.79	77.40
29	29-4190-C	1/2 X .425 X .500 NECK LENGTH UNDERCUTTING END MILL	96.59	93.69	90.88	88.15
29	29-4195	1/2 X .425 X 1.0 NECK LENGTH UNDERCUTTING ENDMILL	86.63	84.03	81.51	79.05
29	29-4195-C	1/2 X .425 X 1.0 NECK LENGTH UNDERCUTTING ENDMILL	96.80	93.89	91.08	88.35
29	29-4200	1/2 X .425 X 1.25 NECK LENGTH UNDERCUTTING ENDMILL	86.63	84.03	81.51	79.05
29	29-4200-C	1/2 X .425 X 1.25 NECK LENGTH UNDERCUTTING ENDMILL	96.80	93.89	91.08	88.35
29	29-4205	1/2 X .425 X 1.5 NECK LENGTH UNDERCUTTING ENDMILL	86.63	84.03	81.51	79.05
29	29-4205-C	1/2 X .425 X 1.5 NECK LENGTH UNDERCUTTING ENDMILL	96.80	93.89	91.08	88.35
29	29-4210	1/2 X .425 X 2.0 NECK LENGTH UNDERCUTTING ENDMILL	117.25	113.73	110.31	106.69
29	29-4210-C	1/2 X .425 X 2.0 NECK LENGTH UNDERCUTTING ENDMILL	129.03	125.16	121.40	117.76
30	30-1340	T-060-150 .060 X .150 THREADING TOOL	25.68	24.69	23.70	22.71
30	30-1340-C	T-060-150 .060 X .150 THREADING TOOL	27.51	26.53	25.54	24.54
30	30-1345	T-060-200 .060 X .200 THREADING TOOL	25.68	24.69	23.70	22.71
30	30-1345-C	T-060-200 .060 X .200 THREADING TOOL	27.51	26.53	25.54	24.54
30	30-1350	T-060-300 .060 X .300 THREADING TOOL	25.68	24.69	23.70	22.71
30	30-1350-C	T-060-300 .060 X .300 THREADING TOOL	27.51	26.53	25.54	24.54

30	30-1351	T-080-300 .080 X .300 THREADING TOOL	25.68	24.69	23.70	22.71
30	30-1351-C	T-080-300 .080 X .300 ALITN THREADING TOOL	27.51	26.53	25.53	24.54
30	30-1352	T-080-400 .080 X .400 THREADING TOOL	25.68	24.69	23.70	22.71
30	30-1352-C	T-080-400 .080 X .400 ALITN THREADING TOOL	0.00	0.00	0.00	0.00
30	30-1353	T-080-500 .080 X .500 THREADING TOOL	25.68	26.53	25.53	24.54
30	30-1353-C	T-080-500 .080 X .500 THREADING TOOL	27.51	26.53	25.53	24.54
30	30-1355	T-090-200 .090 X .200 THREADING TOOL	25.68	24.69	23.70	22.71
30	30-1355-C	T-090-200 .090 X .200 THREADING TOOL	27.51	26.53	25.54	24.54
30	30-1360	T-090-300 .090 X .300 THREADING TOOL	25.68	24.69	23.70	22.71
30	30-1360-C	T-090-300 .090 X .300 THREADING TOOL	27.51	26.53	25.54	24.54
30	30-1365	T-090-400 .090 X .400 THREADING TOOL	25.68	24.69	23.70	22.71
30	30-1365-C	T-090-400 .090 X .400 THREADING TOOL	27.51	26.53	25.54	24.54
30	30-1368	T-090-500 .090 X .500 THREADING TOOL	27.51	26.53	25.54	24.54
30	30-1370	T-120-300 .120 X .300 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1370-C	T-120-300 .120 X .300 THREADING TOOL	31.67	30.58	29.50	28.39
30	30-1375	T-120-400 .120 X .400 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1375-C	T-120-400 .120 X .400 THREADING TOOL	31.67	30.58	29.50	28.39
30	30-1380	T-120-500 .120 X .500 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1380-C	T-120-500 .120 X .500 THREADING TOOL	31.67	30.58	29.50	28.39
30	30-1382	T-120-600 .120 X .600 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1384	T-120-750 .120 X .750 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1385	T-140-300 .140 X .300 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1385-C	T-140-300 .140 X .300 THREADING TOOL	31.67	30.58	29.50	28.39
30	30-1390	T-140-400 .140 X .400 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1390-C	T-140-400 .140 X .400 THREADING TOOL	31.67	30.58	29.50	28.39
30	30-1395	T-140-500 .140 X .500 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1395B	T-140-750 .140 X .750 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1395-C	T-140-500 .140 X .500 THREADING TOOL	31.67	30.58	29.50	28.39
30	30-1396	T-160-400 .160 X .400 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1396-C	T-160-400 .160 X .400 THREADING TOOL	31.67	30.58	29.50	28.39
30	30-1397	T-160-500 .160 X .500 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1397-C	T-160-500 .160 X .500 THREADING TOOL	31.67	30.58	29.50	28.39
30	30-1398	T-160-750 .160 X .750 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1398-C	T-160-750 .160 X .750 THREADING TOOL	31.67	30.58	29.50	28.39
30	30-1399	T-160-1000 .160 X .1000 THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1399-C	T-160-1000 .160 X .1000 THREADING TOOL	31.67	30.58	29.50	28.39
30	30-1400	T-180-350 .180 X .350 THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1400-C	T-180-350 .180 X .350 THREADING TOOL	35.39	34.21	33.04	31.87

30	30-1405	T-180-500 .180 X .500 THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1405-C	T-180-500 .180 X .500 THREADING TOOL	35.39	34.21	33.04	31.87
30	30-1410	T-180-750 .180 X .750 THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1410-C	T-180-750 .180 X .750 THREADING TOOL	35.39	34.21	33.04	31.87
30	30-1415	T-180-1000 .180 X 1.000 THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1415-C	T-180-1000 .180 X 1.000 THREADING TOOL	35.39	34.21	33.04	31.87
30	30-1420	T-200-400 .200 X .400 THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1420-C	T-200-400 .200 X .400 THREADING TOOL	35.39	34.21	33.04	31.87
30	30-1425	T-200-600 .200 X .600 THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1425-C	T-200-600 .200 X .600 THREADING TOOL	35.39	34.21	33.04	31.87
30	30-1430	T-200-750 .200 X .750 THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1430-C	T-200-750 .200 X .750 THREADING TOOL	35.39	34.21	33.04	31.87
30	30-1435	T-200-1000 .200 X 1.000 THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1435-C	T-200-1000 .200 X 1.000 THREADING TOOL	35.39	34.21	33.04	31.87
30	30-1440	T-230-400 .230 X .400 THREADING TOOL	38.25	36.77	35.30	33.83
30	30-1440-C	T-230-400 .230 X .400 THREADING TOOL	45.56	44.09	42.62	41.14
30	30-1445	T-230-600 .230 X .600 THREADING TOOL	38.25	36.77	35.30	33.83
30	30-1445-C	T-230-600 .230 X .600 THREADING TOOL	45.56	44.09	42.62	41.14
30	30-1450	T-230-750 .230 X .750 THREADING TOOL	38.25	36.77	35.30	33.83
30	30-1450-C	T-230-750 .230 X .750 THREADING TOOL	45.56	44.09	42.62	41.14
30	30-1455	T-230-1000 .230 X 1.000 THREADING TOOL	38.25	36.77	35.30	33.83
30	30-1455-C	T-230-1000 .230 X 1.000 THREADING TOOL	45.56	44.09	42.62	41.14
30	30-1460	T-230-1500 .230 X 1.500 THREADING TOOL	38.25	36.77	35.30	33.83
30	30-1460-C	T-230-1500 .230 X 1.500 THREADING TOOL	45.56	44.09	42.62	41.14
30	30-1465	T-290-500 .290 X .500 THREADING TOOL	38.25	36.77	35.30	33.83
30	30-1465-C	T-290-500 .290 X .500 THREADING TOOL	45.56	44.09	42.62	41.14
30	30-1470	T-290-750 .290 X .750 THREADING TOOL	38.25	36.77	35.30	33.83
30	30-1470-C	T-290-750 .290 X .750 THREADING TOOL	45.56	44.09	42.62	41.14
30	30-1475	T-290-1000 .290 X 1.000 THREADING TOOL	38.25	36.77	35.30	33.83
30	30-1475-C	T-290-1000 .290 X 1.000 THREADING TOOL	45.56	44.09	42.62	41.14
30	30-1480	T-290-1250 .290 X 1.250 THREADING TOOL	38.25	36.77	35.30	33.83
30	30-1480-C	T-290-1250 .290 X 1.250 THREADING TOOL	45.56	44.09	42.62	41.14
30	30-1482	T-290-1500 .290 X 1.500 THREADING TOOL	38.25	36.77	35.30	33.83
30	30-1482-C	T-290-1500 .290 X 1.500 THREADING TOOL	45.56	44.09	42.62	41.14
30	30-1485	T-290-1750 .290 X 1.750 THREADING TOOL	38.25	36.77	35.30	33.83
30	30-1485-C	T-290-1750 .290 X 1.750 THREADING TOOL	45.56	44.09	42.62	41.14
30	30-1490	T-320-500 .320 X .500 THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1490-C	T-320-500 .320 X .500 THREADING TOOL	57.13	55.22	53.30	51.39

30	30-1495	T-320-750 .320 X .750 THREADING TOOL	49.83	47.90	45.99	44.08
30	30-1495-C	T-320-750 .320 X .750 THREADING TOOL	57.13	55.22	53.30	51.39
30	30-1500	T-320-1000 .320 X 1.000 THREADING TOOL	49.83	47.90	45.99	44.08
30	30-1500-C	T-320-1000 .320 X 1.000 THREADING TOOL	57.13	55.22	53.30	51.39
30	30-1505	T-320-1250 .320 X 1.250 THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1505-C	T-320-1250 .320 X 1.250 THREADING TOOL	57.13	55.22	53.30	51.39
30	30-1507	T-320-1500 .320 X 1.500 THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1507-C	T-320-1500 .320 X 1.500 THREADING TOOL	57.13	55.22	53.30	51.39
30	30-1510	T-320-1800 .320 X 1.800 THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1510-C	T-320-1800 .320 X 1.800 THREADING TOOL	57.13	55.22	53.30	51.39
30	30-1515	T-360-500 .360 X .500 THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1515-C	T-360-500 .360 X .500 THREADING TOOL	57.13	55.22	53.30	51.39
30	30-1520	T-360-750 .360 X .750 THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1520-C	T-360-750 .360 X .750 THREADING TOOL	57.13	55.22	53.30	51.39
30	30-1525	T-360-1000 .360 X 1.000 THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1525-C	T-360-1000 .360 X 1.000 THREADING TOOL	57.13	55.22	53.30	51.39
30	30-1530	T-360-1250 .360 X 1.250 THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1530-C	T-360-1250 .360 X 1.250 THREADING TOOL	57.13	55.22	53.30	51.39
30	30-1532	T-360-1500 .360 X 1.500 THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1532-C	T-360-1500 .360 X 1.500 THREADING TOOL	57.13	55.22	53.30	51.39
30	30-1535	T-360-1800 .360 X 1.800 THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1535-C	T-360-1800 .360 X 1.800 THREADING TOOL	57.13	55.22	53.30	51.39
30	30-1540	T-490-750 .490 X .750 THREADING TOOL	69.11	66.45	63.79	61.13
30	30-1540-C	T-490-750 .490 X .750 THREADING TOOL	78.87	76.22	73.56	70.91
30	30-1542	T-490-1000 .490 X 1.000 THREADING TOOL	69.11	66.45	63.79	61.13
30	30-1542-C	T-490-1000 .490 X 1.000 THREADING TOOL	78.87	76.22	73.56	70.91
30	30-1545	T-490-1500 .490 X 1.500 THREADING TOOL	69.11	66.45	63.79	61.13
30	30-1545-C	T-490-1500 .490 X 1.500 THREADING TOOL	78.87	76.22	73.56	70.91
30	30-1550	T-490-2000 .490 X 2.000 THREADING TOOL	69.11	66.45	63.79	61.13
30	30-1550-C	T-490-2000 .490 X 2.000 THREADING TOOL	78.87	76.22	73.56	70.91
30	30-1800	1.52MM X 4MM THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1800-C	1.52MM X 4MM THREADING TOOL	29.91	28.71	27.57	26.47
30	30-1805	1.52MM X 8MM THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1805-C	1.52MM X 8MM THREADING TOOL	29.91	28.71	27.57	26.47
30	30-1810	2.28MM X 4MM THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1810-C	2.28MM X 4MM THREADING TOOL	29.91	28.71	27.57	26.47
30	30-1815	2.28MM X 8MM THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1815-C	2.28MM X 8MM THREADING TOOL	29.91	28.71	27.57	26.47

30	30-1820	2.28MM X 12MM THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1820-C	2.28MM X 12MM THREADING TOOL	29.91	28.71	27.57	26.47
30	30-1825	3.04 MM X 4MM THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1825-C	3.04 MM X 4MM THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1830	3.04 MM X 8MM THREADING TOOL	28.38	27.29	26.20	25.10
30	30-1830-C	3.04 MM X 8MM THREADING TOOL	29.94	28.71	27.57	26.47
30	30-1835	3.04 MM X 12MM THREADING TOOL	28.38	27.29	26.20	25.11
30	30-1835-C	3.04 MM X 12MM THREADING TOOL	29.91	28.71	27.57	26.47
30	30-1840	4.2MM X 10MM THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1840-C	4.2MM X 10MM THREADING TOOL	32.71	31.40	30.14	28.93
30	30-1845	4.2MM X 14MM THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1845-C	4.2MM X 14MM THREADING TOOL	32.71	31.40	30.14	28.93
30	30-1850	4.2MM X 18MM THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1850-C	4.2MM X 18MM THREADING TOOL	32.71	31.40	30.14	28.93
30	30-1855	4.2MM X 25MM THREADING TOOL	30.48	29.30	28.13	26.95
30	30-1855-C	4.2MM X 25MM THREADING TOOL	32.71	31.40	30.14	28.93
30	30-1860	5.08MM X 12MM THREADING TOOL	38.25	36.84	35.30	33.83
30	30-1860-C	5.08MM X 12MM THREADING TOOL W/ ALTIN	41.46	40.05	38.52	37.04
30	30-1865	5.08MM X 18MM THREADING TOOL	38.25	36.84	35.30	33.83
30	30-1865-C	5.08MM X 18MM THREADING TOOL W/ ALTIN	41.46	40.05	38.52	37.04
30	30-1870	5.08MM X 25MM THREADING TOOL	38.25	36.84	35.30	33.83
30	30-1870-C	5.08MM X 25MM THREADING TOOL W/ ALTIN	41.46	40.05	38.52	37.04
30	30-1875	5.08MM X 40MM THREADING TOOL	38.25	36.84	35.30	33.83
30	30-1875-C	5.08MM X 40MM THREADING TOOL W/ ALTIN	41.46	40.05	38.52	37.04
30	30-1880	7.36MM X 12MM THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1880-C	7.36MM X 12MM THREADING TOOL	52.35	50.51	48.66	46.82
30	30-1890	7.36MM X 18MM THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1890-C	7.36MM X 18MM THREADING TOOL	52.35	50.51	48.66	46.82
30	30-1895	7.36MM X 25MM THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1895-C	7.36MM X 25MM THREADING TOOL	52.35	50.51	48.66	46.82
30	30-1900	7.36MM X 40MM THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1900-C	7.36MM X 40MM THREADING TOOL	52.35	50.51	48.66	46.82
30	30-1905	8.12MM X 12MM THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1905-C	8.12MM X 12MM THREADING TOOL	52.35	50.51	48.66	46.82
30	30-1910	8.12MM X 18MM THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1910-C	8.12MM X 18MM THREADING TOOL	52.35	50.51	48.66	46.82
30	30-1915	8.12MM X 25MM THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1915-C	8.12MM X 25MM THREADING TOOL	52.35	50.51	48.66	46.82

30	30-1920	8.12MM X 40MM THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1920-C	8.12MM X 40MM THREADING TOOL	52.35	50.51	48.66	46.82
30	30-1925	9.1MM X 12 MM THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1925-C	9.1MM X 12 MM THREADING TOOL	52.35	50.51	48.66	46.82
30	30-1930	9.1MM X 18 MM THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1930-C	9.1MM X 18 MM THREADING TOOL	52.35	50.51	48.66	46.82
30	30-1935	9.1MM X 25 MM THREADING TOOL	49.83	47.91	45.45	44.08
30	30-1935-C	9.1MM X 25 MM THREADING TOOL	52.35	50.51	48.66	46.82
30	30-1940	9.1MM X 40 MM THREADING TOOL	49.83	47.91	45.99	44.08
30	30-1940-C	9.1MM X 40 MM THREADING TOOL	52.35	50.51	48.66	46.82
30	30-1945	12.5MM X 12MM THREADING TOOL	69.11	66.45	63.79	61.13
30	30-1945-C	12.5MM X 12MM THREADING TOOL	76.13	73.47	70.80	68.14
30	30-1950	12.5 X 18MM THREADING TOOL	69.11	66.45	63.79	61.13
30	30-1950-C	12.5 X 18MM THREADING TOOL	76.13	73.47	70.80	68.14
30	30-1955	12.5 X 25MM THREADING TOOL	69.11	66.45	63.79	61.13
30	30-1955-C	12.5 X 25MM THREADING TOOL	76.13	73.47	70.80	68.14
30	30-1960	12.5MM X 40MM THREADING TOOL	69.11	66.45	63.79	61.13
30	30-1960-C	12.5MM X 40MM THREADING TOOL	76.13	73.47	70.80	68.14
31	31-1130	TL-120-300 .120 X .300 LH THREADING TOOL	34.94	33.53	32.19	30.90
31	31-1130-C	TL-120-300 .120 X .300 LH THREADING TOOL	36.01	34.57	33.19	31.86
31	31-1135	TL-120-400 .120 X .250 LH THREADING TOOL	34.94	33.53	32.19	30.90
31	31-1135-C	TL-120-400 .120 X .500 LH THREADING TOOL	36.01	34.57	33.19	31.86
31	31-1140	TL-120-500 .120 X .500 LH THREADING TOOL	34.94	33.53	32.19	30.90
31	31-1140-C	TL-120-500 .120 X .500 LH THREADING TOOL	36.01	34.57	33.19	31.86
31	31-1155	TL-140-250 .140 X .250 L.H. THREADING TOOL	30.48	29.30	28.13	26.95
31	31-1155-C	TL-140-250 .140 X .250 L.H. THREADING TOOL	36.00	34.57	33.20	31.87
31	31-1160	TL-140-400 .140 X .400 L.H. THREADING TOOL	28.38	27.29	26.20	25.11
31	31-1160-C	TL-140-400 .140 X .400 L.H. THREADING TOOL	36.00	34.57	33.20	31.87
31	31-1165	TL-140-500 .140 X .500 LH THREADING TOOL	28.38	27.29	26.20	25.10
31	31-1165-C	TL-140-500 .140 X .500 LH THREADING TOOL	36.01	34.57	33.19	31.86
31	31-1200	TL-180-500 .180 X .500 L.H. THREADING TOOL	30.48	29.30	28.13	26.95
31	31-1200-C	TL-180-500 .180 X .500 L.H. THREADING TOOL	35.39	34.21	33.04	31.87
31	31-1205	TL-180-750 .180 X .750 L.H. THREADING TOOL	30.48	29.30	28.13	26.95
31	31-1205-C	TL-180-750 .180 X .750 L.H. THREADING TOOL	35.39	34.22	33.04	31.88
31	31-1210	TL-180-1000 .180 X 1.000 L.H. THREADING TOOL	30.48	29.30	28.13	26.95
31	31-1210-C	TL-180-1000 .180 X 1.000 L.H. THREADING TOOL	35.39	34.22	33.04	31.88
31	31-1215	TL-200-500 .200 X .500 L.H. THREADING TOOL	30.48	29.30	28.13	26.95
31	31-1215-C	TL-200-500 .200 X .500 L.H. THREADING TOOL	35.39	34.22	33.04	31.88

31	31-1220	TL-200-750 .200 X .750 L.H. THREADING TOOL	30.48	29.30	28.13	26.95
31	31-1220-C	TL-200-750 .200 X .750 L.H. THREADING TOOL	35.39	34.22	33.04	31.88
31	31-1225	TL-200-1000 .200 X 1.000 L.H. THREADING TOOL	30.48	29.30	28.13	26.95
31	31-1225-C	TL-200-1000 .200 X 1.000 L.H. THREADING TOOL ALTIM	35.39	34.22	33.04	31.88
31	31-1230	TL-230-500 .230 X .500 L.H. THREADING TOOL	38.25	36.77	35.30	33.83
31	31-1230-C	TL-230-500 .230 X .500 L.H. THREADING TOOL	41.46	39.99	38.52	37.04
31	31-1235	TL-230-750 .230 X .750 L.H. THREADING TOOL	38.25	36.77	35.30	33.83
31	31-1235-C	TL-230-750 .230 X .750 L.H. THREADING TOOL	41.45	39.99	33.04	31.88
31	31-1240	TL-230-1000 .230 X 1.000 L.H. THREADING TOOL	38.25	36.77	35.30	33.83
31	31-1240-C	TL-230-1000 .230 X 1.000 L.H. THREADING TOOL	41.46	39.99	38.52	37.04
31	31-1245	TL-290-500 .290 X .500 L.H. THREADING TOOL	38.25	36.77	35.30	33.83
31	31-1245-C	TL-290-500 .290 X .500 L.H. THREADING TOOL	41.45	39.99	38.51	37.04
31	31-1250	TL-290-750 .290 X .750 L.H. THREADING TOOL	38.25	36.77	35.30	33.83
31	31-1250-C	TL-290-750 .290 X .750 L.H. THREADING TOOL	41.45	39.99	38.51	37.04
31	31-1255	TL-290-1000 .290 X 1.000 L.H. THREADING TOOL	38.25	36.77	35.30	33.83
31	31-1255-C	TL-290-1000 .290 X 1.000 L.H. THREADING TOOL	41.45	39.99	38.51	37.04
31	31-1260	TL-320-500 .320 X .500 L.H. THREADING TOOL	49.83	47.91	45.99	44.08
31	31-1260-C	TL-320-500 .320 X .500 L.H. THREADING TOOL	54.44	52.52	50.61	48.69
31	31-1265	TL-320-750 .320 X .750 L.H. THREADING TOOL	49.83	47.91	45.99	44.08
31	31-1265-C	TL-320-750 .320 X .750 L.H. THREADING TOOL ALTIM	54.44	52.52	50.61	48.69
31	31-1270	TL-320-1000 .320 X 1.000 L.H. THREADING TOOL	49.83	47.91	45.99	44.08
31	31-1270-C	TL-320-1000 .320 X 1.000 L.H. THREADING TOOL	54.44	52.52	50.61	48.69
31	31-1275	TL-360-500 .360 X .500 L.H. THREADING TOOL	49.83	47.91	45.99	44.08
31	31-1275-C	TL-360-500 .360 X .500 L.H. THREADING TOOL	54.44	52.52	50.61	48.69
31	31-1280	TL-360-750 .360 X .750 L.H. THREADING TOOL	49.83	47.90	45.99	44.08
31	31-1280-C	TL-360-750 .360 X .750 L.H. THREADING TOOL	54.45	52.52	50.61	48.69
31	31-1285	TL-360-1000 .360 X 1.000 L.H. THREADING TOOL	49.83	47.91	45.99	44.08
31	31-1285-C	TL-360-1000 .360 X 1.000 L.H. THREADING TOOL	54.44	52.52	50.61	48.69
32	32-1200	VIA-400-16 .180 DIA X 16 PITCH ACME THREAD TOOL	29.94	28.78	27.63	26.48
32	32-1200-C	VIA-400-16 .180 DIA X 16 PITCH ACME THREAD TOOL	34.86	33.70	32.55	31.40
32	32-1205	VIA-600-16 .180 DIA X 16 PITCH ACME THREAD TOOL	29.94	28.78	27.63	26.48
32	32-1205-C	VIA-600-16 .180 DIA X 16 PITCH ACME THREAD TOOL	34.86	33.70	32.55	31.40
32	32-1210	VIA-750-16 .180 DIA X 16 PITCH ACME THREAD TOOL	29.94	28.78	27.63	26.48
32	32-1210-C	VIA-750-16 .180 DIA X 16 PITCH ACME THREAD TOOL	34.86	33.70	32.55	31.40
32	32-1215	VIA-1000-16 .180 DIA X 16 PITCH ACME THREAD TOOL	29.94	28.78	27.63	26.48
32	32-1215-C	VIA-1000-16 .180 DIA X 16 PITCH ACME THREAD TOOL	34.86	33.70	32.55	31.40
32	32-1220	VIA-500-14 .230 DIA X 14 PITCH ACME THREAD TOOL	45.56	44.09	42.62	41.14
32	32-1220-C	VIA-500-14 .230 DIA X 14 PITCH ACME THREAD TOOL	52.12	50.65	49.18	47.71

32	32-1225	VIA-750-14 .230 DIA X 14 PITCH ACME THREAD TOOL	45.56	44.09	42.62	41.14
32	32-1225-C	VIA-750-14 .230 DIA X 14 PITCH ACME THREAD TOOL	52.12	50.65	49.18	47.71
32	32-1230	VIA-1000-14 .230 DIA X 14 PITCH ACME THREAD TOOL	45.56	44.09	42.62	41.14
32	32-1230-C	VIA-1000-14 .230 DIA X 14 PITCH ACME THREAD TOOL	52.12	50.65	49.18	47.71
32	32-1235	VIA-1250-14 .230 DIA X 14 PITCH ACME THREAD TOOL	45.56	44.09	42.62	41.14
32	32-1235-C	VIA-1250-14 .230 DIA X 14 PITCH ACME THREAD TOOL	52.12	50.65	49.18	47.71
32	32-1240	VIA-1750-14 .230 DIA X 14 PITCH ACME THREAD TOOL	45.56	44.09	42.62	41.14
32	32-1240-C	VIA-1750-14 .230 DIA X 14 PITCH ACME THREAD TOOL	52.12	50.65	49.18	47.71
32	32-1245	VIA-500-12 .290 DIA X 12 PITCH ACME THREAD TOOL	49.83	47.91	45.99	44.08
32	32-1245-C	VIA-500-12 .290 DIA X 12 PITCH ACME THREAD TOOL	57.13	55.22	53.30	51.39
32	32-1250	VIA-750-12 .290 DIA X 12 PITCH ACME THREAD TOOL	49.83	47.91	45.99	44.08
32	32-1250-C	VIA-750-12 .290 DIA X 12 PITCH ACME THREAD TOOL	57.13	55.22	53.30	51.39
32	32-1255	VIA-1000-12 .290 DIA X 12 PITCH ACME THREAD TOOL	49.83	47.91	45.99	44.08
32	32-1255-C	VIA-1000-12 .290 DIA X 12 PITCH ACME THREAD TOOL	57.13	55.22	53.30	51.39
32	32-1260	VIA-1250-12 .290 DIA X 12 PITCH ACME THREAD TOOL	49.83	47.91	45.99	44.08
32	32-1260-C	VIA-1250-12 .290 DIA X 12 PITCH ACME THREAD TOOL	57.13	55.22	53.30	51.39
32	32-1265	VIA-1800-12 .290 DIA X 12 PITCH ACME THREAD TOOL	49.83	47.91	45.99	44.08
32	32-1265-C	VIA-1800-12 .290 DIA X 12 PITCH ACME THREAD TOOL	57.13	55.22	53.30	51.39
32	32-1270	VIA-750-10 .360 DIA X 10 PITCH ACME THREAD TOOL	49.83	47.96	45.99	44.08
32	32-1270-C	VIA-750-10 .360 DIA X 10 PITCH ACME THREAD TOOL	57.13	55.22	53.30	51.39
32	32-1275	VIA-1500-10 .360 DIA X 10 PITCH ACME THREAD TOOL	49.83	47.96	45.99	44.08
32	32-1275-C	VIA-1500-10 .360 DIA X 10 PITCH ACME THREAD TOOL	57.13	55.22	53.30	51.39
32	32-1280	VIA-2000-10 .360 DIA X 10 PITCH ACME THREAD TOOL	49.83	47.96	45.99	44.08
32	32-1280-C	VIA-2000-10 .360 DIA X 10 PITCH ACME THREAD TOOL	57.13	55.22	53.30	51.39
32	32-1285	VIA-750-8 .490 DIA X 8 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1285-C	VIA-750-8 .490 DIA X 8 PITCH ACME THREAD TOOL	78.87	76.22	73.56	70.91
32	32-1290	VIA-1500-8 .490 DIA X 8 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1290-C	VIA-1500-8 .490 DIA X 8 PITCH ACME THREAD TOOL	78.87	76.22	73.56	70.91
32	32-1295	VIA-2000-8 .490 DIA X 8 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1295-C	VIA-2000-8 .490 DIA X 8 PITCH ACME THREAD TOOL	78.87	76.22	73.56	70.91
32	32-1300	VIA-750-6 .490 DIA X 6 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1300-C	VIA-750-6 .490 DIA X 6 PITCH ACME THREAD TOOL	78.87	76.22	73.56	70.91
32	32-1305	VIA-1500-6 .490 DIA X 6 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1305-C	VIA-1500-6 .490 DIA X 6 PITCH ACME THREAD TOOL	78.87	76.22	73.56	70.91
32	32-1310	VIA-2000-6 .490 DIA X 6 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1310-C	VIA-2000-6 .490 DIA X 6 PITCH ACME THREAD TOOL	78.87	76.22	73.56	70.91
32	32-1315	VIA-750-5 .490 DIA X 5 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1315-C	VIA-750-5 .490 DIA X 5 PITCH ACME THREAD TOOL	78.87	76.22	73.56	70.91

32	32-1320	VIA-1500-5 .490 DIA X 5 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1320-C	VIA-1500-5 .490 DIA X 5 PITCH ACME THREAD TOOL	78.87	76.22	73.56	70.91
32	32-1325	VIA-2000-5 .490 DIA X 5 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1325-C	VIA-2000-5 .490 DIA X 5 PITCH ACME THREAD TOOL	78.87	76.22	73.56	70.91
32	32-1330	.490 DIA X .750 4 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1330-C	.490 DIA X .750 4 PITCH ACME THREAD TOOL	78.87	76.22	73.56	70.91
32	32-1335	.490 DIA X 1.500 4 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1335-C	.490 DIA X 1.500 4 PITCH ACME THREAD TOOL	78.87	76.22	73.59	70.91
32	32-1340	.490 DIA X 2.00 4 PITCH ACME THREAD TOOL	69.11	66.45	63.79	61.13
32	32-1340-C	.490 DIA X 2.00 4 PITCH ACME THREAD TOOL	78.87	76.22	73.56	70.91
33	33-1000	3/8 X 16 PITCH EXT. ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-1000-C	3/8 X 16 PITCH EXT. ACME THREAD TOOL	41.07	39.67	38.31	36.96
33	33-1005	3/8 X 14 PITCH EXT. ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-1005-C	3/8 X 14 PITCH EXT. ACME THREAD TOOL	41.07	39.67	38.31	36.96
33	33-1010	3/8 X 12 PITCH EXT. ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-1010-C	3/8 X 12 PITCH EXT. ACME THREAD TOOL	41.07	39.67	38.31	36.96
33	33-1015	3/8 X 10 PITCH EXT. ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-1015-C	3/8 X 10 PITCH EXT. ACME THREAD TOOL	41.07	39.67	38.31	36.96
33	33-1020	3/8 X 8 PITCH EXT. ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-1020-C	3/8 X 8 PITCH EXT. ACME THREAD TOOL	41.07	39.67	38.31	36.96
33	33-1025	3/8 X 6 PITCH EXT. ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-1025-C	3/8 X 6 PITCH EXT. ACME THREAD TOOL	41.07	39.67	38.31	36.96
33	33-1030	3/8 X 5 PITCH EXT. ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-1030-C	3/8 X 5 PITCH EXT. ACME THREAD TOOL	41.07	39.67	38.31	36.96
33	33-1035	3/8 X 4 PITCH EXT. ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-1035-C	3/8 X 4 PITCH EXT. ACME THREAD TOOL	41.07	39.67	38.31	36.96
33	33-2000	3/8 X 16 PITCH EXT. STUB ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-2005	3/8 X 14 PITCH EXT. STUB ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-2010	3/8 X 12 PITCH EXT. STUB ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-2015	3/8 X 10 PITCH EXT. STUB ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-2020	3/8 X 9 PITCH EXT. STUB ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-2025	3/8 X 8 PITCH EXT. STUB ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-2030	3/8 X 7 PITCH EXT. STUB ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-2035	3/8 X 6 PITCH EXT. STUB ACME THREAD TOOL	36.63	35.23	33.88	32.52
33	33-2040	3/8 X 5 PITCH EXT. STUB ACME THREAD TOOL	36.63	35.23	33.88	32.52
34	34-1400	VSA-400-16 .180 DIA X 16 PITCH STUB ACME THREAD TOOL	29.94	28.78	27.63	26.48
34	34-1400-C	VSA-400-16 .180 DIA X 16 PITCH STUB ACME THREAD TOOL	32.27	31.20	30.13	29.07
34	34-1405	VSA-600-16 .180 DIA X 16 PITCH STUB ACME THREAD TOOL	29.94	28.78	27.63	26.48

34	34-1405-C	VSA-600-16 .180 DIA X 16 PITCH STUB ACME THREAD TOOL	32.27	31.20	30.13	29.07
34	34-1410	VSA-750-16 .180 DIA X 16 PITCH STUB ACME THREAD TOOL	29.94	28.78	27.63	26.48
34	34-1410-C	VSA-750-16 .180 DIA X 16 PITCH STUB ACME THREAD TOOL	32.27	31.20	30.13	29.07
34	34-1415	VSA-1000-16 .180 DIA X 16 PITCH STUB ACME THREAD TOOL	29.94	28.78	27.63	26.48
34	34-1415-C	VSA-1000-16 .180 DIA X 16 PITCH STUB ACME THREAD TOOL	32.27	31.20	30.13	29.07
34	34-1420	VSA-500-14 .230 DIA X 14 PITCH STUB ACME THREAD TOOL	38.25	36.77	35.30	33.83
34	34-1420-C	VSA-500-14 .230 DIA X 14 PITCH STUB ACME THREAD TOOL	42.18	40.82	39.46	38.09
34	34-1425	VSA-750-14 .230 DIA X 14 PITCH STUB ACME THREAD TOOL	38.25	36.77	35.30	33.83
34	34-1425-C	VSA-750-14 .230 DIA X 14 PITCH STUB ACME THREAD TOOL	42.18	40.82	39.46	38.09
34	34-1430	VSA-1000-14 .230 DIA X 14 PITCH STUB ACME THREAD TOOL	38.25	36.77	35.30	33.83
34	34-1430-C	VSA-1000-14 .230 DIA X 14 PITCH STUB ACME THREAD TOOL	42.18	40.82	39.46	38.09
34	34-1435	VSA-1250-14 .230 DIA X 14 PITCH STUB ACME THREAD TOOL	38.25	36.77	35.30	33.83
34	34-1435-C	VSA-1250-14 .230 DIA X 14 PITCH STUB ACME THREAD TOOL	42.18	40.82	39.46	38.09
34	34-1440	VSA-1750-14 .230 DIA X 14 PITCH STUB ACME THREAD TOOL	38.25	36.77	35.30	33.83
34	34-1440-C	VSA-1750-14 .230 DIA X 14 PITCH STUB ACME THREAD TOOL	42.18	40.82	39.46	38.09
34	34-1445	VSA-500-12 .290 DIA X 12 PITCH STUB ACME THREAD TOOL	49.83	47.91	45.99	44.08
34	34-1445-C	VSA-500-12 .290 DIA X 12 PITCH STUB ACME THREAD TOOL	57.13	55.22	53.30	51.39
34	34-1450	VSA-750-12 .290 DIA X 12 PITCH STUB ACME THREAD TOOL	49.83	47.91	45.99	44.08
34	34-1450-C	VSA-750-12 .290 DIA X 12 PITCH STUB ACME THREAD TOOL	57.13	55.22	53.30	51.39
34	34-1455	VSA-1000-12 .290 DIA X 12 PITCH STUB ACME THREAD TOOL	49.83	47.91	45.99	44.08
34	34-1455-C	VSA-1000-12 .290 DIA X 12 PITCH STUB ACME THREAD TOOL	57.13	55.22	53.30	51.39
34	34-1460	VSA-1250-12 .290 DIA X 12 PITCH STUB ACME THREAD TOOL	49.83	47.91	45.99	44.08
34	34-1460-C	VSA-1250-12 .290 DIA X 12 PITCH STUB ACME THREAD TOOL	57.13	55.22	53.30	51.39
34	34-1465	VSA-1800-12 .290 DIA X 12 PITCH STUB ACME THREAD TOOL	49.83	47.91	45.99	44.08
34	34-1465-C	VSA-1800-12 .290 DIA X 12 PITCH STUB ACME THREAD TOOL	57.13	55.22	53.30	51.39
34	34-1470	VSA-750-10 .360 DIA X 10 PITCH STUB ACME THREAD TOOL	49.83	47.96	45.99	44.08
34	34-1470-C	VSA-750-10 .360 DIA X 10 PITCH STUB ACME THREAD TOOL	57.13	55.22	53.30	51.39
34	34-1475	VSA-1500-10 .360 DIA X 10 PITCH STUB ACME THREAD TOOL	49.83	47.91	45.99	44.08
34	34-1475-C	VSA-1500-10 .360 DIA X 10 PITCH STUB ACME THREAD TOOL	57.13	55.22	53.30	51.39
34	34-1480	VSA-2000-10 .360 DIA X 10 PITCH STUB ACME THREAD TOOL	49.83	47.96	45.99	44.08
34	34-1480-C	VSA-2000-10 .360 DIA X 10 PITCH STUB ACME THREAD TOOL	57.13	55.22	53.30	51.39
34	34-1485	VSA-750-9 .490 DIA X 9 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1485-C	VSA-750-9 .490 DIA X 9 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1490	VSA-1500-9 .490 DIA X 9 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1490-C	VSA-1500-9 .490 DIA X 9 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1495	VSA-2000-9 .490 DIA X 9 PITCH STUB ACME THREAD TOOL	69.11	66.45	64.87	61.13
34	34-1495-C	VSA-2000-9 .490 DIA X 9 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1500	VSA-750-8 .490 DIA X 8 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13

34	34-1500-C	VSA-750-8 .490 DIA X 8 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1505	VSA-1500-8 .490 DIA X 8 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1505-C	VSA-1500-8 .490 DIA X 8 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1510	VSA-2000-8 .490 DIA X 8 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1510-C	VSA-2000-8 .490 DIA X 8 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1515	VSA-750-7 .490 DIA X 7 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1515-C	VSA-750-7 .490 DIA X 7 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1520	VSA-1500-7 .490 DIA X 7 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1520-C	VSA-1500-7 .490 DIA X 7 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1525	VSA-2000-7 .490 DIA X 7 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1525-C	VSA-2000-7 .490 DIA X 7 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1530	VSA-750-6 .490 DIA X 6 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1530-C	VSA-750-6 .490 DIA X 6 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1535	VSA-1500-6 .490 DIA X 6 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1535-C	VSA-1500-6 .490 DIA X 6 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1540	VSA-2000-6 .490 DIA X 6 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1540-C	VSA-2000-6 .490 DIA X 6 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1545	VSA-750-5 .490 DIA X 5 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1545-C	VSA-750-5 .490 DIA X 5 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1550	VSA-1500-5 .490 DIA X 5 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1550-C	VSA-1500-5 .490 DIA X 5 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
34	34-1555	VSA-2000-5 .490 DIA X 5 PITCH STUB ACME THREAD TOOL	69.11	66.45	63.79	61.13
34	34-1555-C	VSA-2000-5 .490 DIA X 5 PITCH STUB ACME THREAD TOOL	78.87	76.22	73.56	70.91
35	35-5000	.170 X .375 REACH 16 PITCH ACME EXTERNAL THREAD MILL	40.18	38.57	37.03	35.55
35	35-5000-C	.170 X .375 REACH 16 PITCH ACME EXTERNAL THREAD MILL	43.86	42.25	40.71	39.23
35	35-5005	.220 X .500 REACH 14 PITCH ACME EXTERNAL THREAD MILL	52.50	50.48	48.47	46.44
35	35-5005-C	.220 X .500 REACH 14 PITCH ACME EXTERNAL THREAD MILL	56.18	54.16	52.14	52.14
35	35-5010	.270 X .750 REACH 12 PITCH ACME EXTERNAL THREAD MILL	57.75	55.43	53.23	51.09
35	35-5010-C	.270 X .750 REACH 12 PITCH ACME EXTERNAL THREAD MILL	63.83	61.51	59.30	57.17
35	35-5015	.370 X .750 REACH 10 PITCH ACME EXTERNAL THREAD MILL	70.65	67.94	65.21	51.11
35	35-5015-C	.370 X .750 REACH 10 PITCH ACME EXTERNAL THREAD MILL	76.73	74.01	71.29	57.17
35	35-5020	.500 X 1.00 REACH 8 PITCH ACME EXTERNAL THREAD MILL	88.32	84.80	81.26	77.72
35	35-5020-C	.500 X 1.00 REACH 8 PITCH ACME EXTERNAL THREAD MILL	95.87	92.35	88.81	85.27
35	35-5025	.750 X 1.00 REACH 6 PITCH ACME EXTERNAL THREAD MILL	103.77	99.78	95.79	91.80
35	35-5025-C	.750 X 1.00 REACH 6 PITCH ACME EXTERNAL THREAD MILL	113.91	109.92	105.87	101.94
35	35-5030	.800 X 2.00 REACH 5 PITCH ACME EXTERNAL THREAD MILL	130.53	125.83	120.48	115.46
35	35-5030-C	.800 X 2.00 REACH 5 PITCH ACME EXTERNAL THREAD MILL	145.63	140.61	135.58	130.56
35	35-5035	1.120 X 2.00 REACH 4 PITCH ACME EXTERNAL THREAD MILL	130.53	125.51	120.48	115.46

35	35-5035-C	1.120 X 2.00 REACH 4 PITCH ACME EXTERNAL THREAD MILL ALTIN	161.23	155.60	150.25	144.99
35	35-6000	.170 X .375 REACH 16 PITCH STUB ACME THREAD MILL	40.18	38.57	37.03	35.55
35	35-6000-C	.170 X .375 REACH 16 PITCH STUB ACME THREAD MILL	43.86	42.25	40.71	39.23
35	35-6005	.220 X .500 REACH 14 PITCH STUB ACME THREAD MILL	52.50	50.48	48.47	46.44
35	35-6005-C	.220 X .500 REACH 14 PITCH STUB ACME THREAD MILL	56.18	54.16	52.14	50.12
35	35-6010	.270 X .750 REACH 12 PITCH STUB ACME THREAD MILL	57.75	55.43	53.23	51.09
35	35-6010-C	.270 X .750 REACH 12 PITCH STUB ACME THREAD MILL	63.83	61.51	59.30	57.17
35	35-6015	.370 X .750 REACH 10 PITCH STUB ACME THREAD MILL	70.65	67.94	65.21	51.09
35	35-6015-C	.370 X .750 REACH 10 PITCH STUB ACME THREAD MILL	76.73	74.00	71.29	57.17
35	35-6020	.500 X 1.00 REACH 8 PITCH STUB ACME THREAD MILL	88.32	84.80	81.26	77.72
35	35-6020-C	.500 X 1.00 REACH 8 PITCH STUB ACME THREAD MILL	95.87	92.35	88.81	85.27
35	35-6025	.580 X 1.00 REACH 6 PITCH STUB ACME THREAD MILL	103.77	99.78	95.79	91.80
35	35-6025-C	.580 X 1.00 REACH 6 PITCH STUB ACME THREAD MILL	113.91	109.92	105.87	101.94
35	35-6030	.800 X 2.00 REACH 5 PITCH STUB ACME THREAD MILL	130.53	125.51	120.48	115.46
35	35-6030-C	.800 X 2.00 REACH 5 PITCH EXTERNAL STUB ACME THREAD MILL ALTIN	145.63	140.61	135.55	130.56
35	35-6035	1.120 X 2.00 REACH 4 PITCH STUB ACME THREAD MILL	140.96	135.33	129.98	124.72
35	35-6035-C	1.120 X 2.00 REACH 4 PITCH STUB ACME THREAD MILL	161.23	155.60	150.25	144.99
36	36-1100	T001-236-3-S 3 STEEL SHANK INSERT THREADING BAR	82.50	79.34	76.17	72.99
36	36-1105	T001-236-3-C 3 CARBIDE SHANK INSERT THREADING BAR	130.24	125.23	120.22	115.21
36	36-1110	T001-236-6-S 6 STEEL SHANK INSERT THREADING BAR	89.20	85.77	82.34	78.90
36	36-1115	T001-236-6-C 6 CARBIDE SHANK INSERT THREADING BAR	151.73	145.90	140.06	134.23
36	36-1120	T002-307-3-S 3 STEEL SHANK INSERT THREADING BAR	98.12	94.35	90.57	86.80
36	36-1125	T002-307-3-C 3 CARBIDE SHANK INSERT BORING TOOL	137.88	132.58	127.27	121.97
36	36-1130	T002-307-3-CO 3 CARBIDE COOLANT HOLE INSERT THREADING BAR	140.35	134.95	129.55	124.16
36	36-1135	T002-307-6-S 6 STEEL SHANK INSERT THREADING BAR	101.02	97.14	93.24	89.36
36	36-1140	T002-307-6-C 6 CARBIDE SHANK INSERT THREADING BAR	165.36	159.00	152.73	146.28
36	36-1145	T002-307-6-CO 6 CARBIDE COOLANT HOLE INSERT THREADING BAR	178.66	171.79	164.91	158.04
36	36-1150	T003-354-3-S 3 STEEL SHANK INSERT THREADING BAR	103.69	99.70	95.72	91.73
36	36-1155	T003-354-3-C 3 CARBIDE SHANK INSERT THREAD BAR	152.77	146.89	141.56	135.14
36	36-1160	T003-354-3-CO 3 CARBIDE COOLANT HOLE INSERT THREADING BAR	157.45	151.39	145.33	139.28
36	36-1165	T003-354-6-S 6 STEEL SHANK INSERT THREADING BAR	107.71	103.56	99.42	95.28
36	36-1170	T003-354-6-C 6 CARBIDE SHANK INSERT THREADING BAR	192.08	184.69	177.31	169.92
36	36-1175	T003-354-6-CO 6 CARBIDE COOLANT HOLE INSERT THREADING BAR	199.64	191.96	184.28	176.60
36	36-1180	T003.5-390-3-S 3 STEEL SHANK INSERT THREADING BAR	103.69	99.70	95.72	91.73
36	36-1185	T003.5-390-3-C 3 CARBIDE SHANK INSERT THREADING BAR	152.77	146.89	141.02	135.14
36	36-1190	T003.5-390-3-CO 3 CARBIDE COOLANT HOLE INSERT THREADING BAR	157.45	151.39	145.33	139.28
36	36-1200	T003.5-390-6-S 6 STEEL SHANK INSERT THREADING BAR	107.71	103.56	99.42	95.28
36	36-1205	T003.5-390-6-C 6 CARBIDE SHANK INSERT THREADING BAR	192.08	184.69	177.31	169.92

36	36-1210	T003.5-390-6-CO 6 CARBIDE COOLANT HOLE INSERT THREADING BAR	199.64	191.96	184.28	176.60
36	36-1215	T004-470-3-S 3 STEEL SHANK INSERT THREADING BAR	76.00	73.07	70.15	67.23
36	36-1220	T004-470-3-C 3 CARBIDE SHANK INSERT THREADING BAR	108.60	104.43	100.25	96.07
36	36-1225	T004-470-3-CO 3 CARBIDE COOLANT HOLE INSERT THREADING BAR	122.40	117.70	112.99	108.28
36	36-1230	T004-470-6-S 6 STEEL SHANK INSERT THREADING BAR	84.88	81.62	78.35	75.08
36	36-1235	T004-470-6-C 6 CARBIDE SHANK INSERT THREADING BAR	152.86	146.50	141.09	135.22
36	36-1240	T004-470-6-CO 6 CARBIDE COOLANT HOLE INSERT THREADING BAR	177.58	170.74	163.92	157.08
36	36-1245	T005-625-3-S 3 STEEL SHANK INSERT THREADING BAR	76.51	73.57	70.63	67.69
36	36-1250	T005-625-3-C 3 CARBIDE SHANK INSERTTHREADING BAR	112.64	108.30	103.97	99.64
36	36-1255	T005-625-3-CO 3 CARBIDE SHANK INSERTTHREADING BAR	146.54	140.90	129.63	135.26
36	36-1260	T005-625-6-S 6 STEEL SHANK INSERT THREADING BAR	83.60	80.38	77.16	73.95
36	36-1265	T005-625-6-C 6 CARBIDE SHANK INSERT THREADING BAR	203.14	195.32	187.51	179.70
36	36-1270	T005-625-6-CO 6 CARBIDE COOLANT HOLE INSERT THREADING BAR	218.36	209.97	201.57	193.17
36	36-1275	T006-640-3-S 3 STEEL SHANK INSERT THREADING BAR	95.82	92.13	88.45	84.76
36	36-1280	T006-640-3-C 3 CARBIDE SHANK INSERT THREADING BAR	123.91	119.15	114.38	109.61
36	36-1285	T006-640-3-CO 3 CARBIDE COOLANT HOLE INSERT THREADING BAR	339.02	325.97	312.93	299.90
36	36-1290	T006-640-6-S 6 STEEL SHANK INSERT THREADING BAR	103.11	99.14	95.18	91.21
36	36-1295	T006-640-6-C 6 CARBIDE SHANK INSERT THREADING BAR	223.08	214.50	205.92	197.34
36	36-1300	T006-640-6-CO 6 CARBIDE COOLANT HOLE INSERT THREADING BAR	391.10	376.05	361.01	345.97
36	36-1305	T006-640-9-S 9 STEEL SHANK INSERT THREADING BAR	114.22	109.83	105.43	101.04
36	36-1310	T006-640-9-C 9 CARBIDE SHANK INSERT THREADING BAR	269.82	259.43	249.06	238.69
36	36-1315	T006-640-9-CO 9 CARBIDE COOLANT HOLE INSERT THREADING BAR	462.15	444.36	426.59	408.81
36	36-1320	T007-750-3-S 3 STEEL SHANK INSERT THREADING BAR	104.26	100.24	96.23	92.23
36	36-1325	T007-750-3-C 3 CARBIDE SHANK INSERT THREADING BAR	196.91	189.32	181.75	174.18
36	36-1330	T007-750-3-CO 3 CARBIDE COOLANT HOLE INSERT THREADING BAR	373.78	359.40	345.03	330.66
36	36-1335	T007-750-6-S 6 STEEL SHANK INSERT THREADING BAR	113.45	109.09	104.72	100.36
36	36-1340	T007-750-6-C 6 CARBIDE SHANK INSERT THREADING BAR	321.62	309.25	296.89	284.51
36	36-1345	T007-750-6-CO 6 CARBIDE COOLANT HOLE INSERT THREADING BAR	455.51	437.98	420.46	402.94
36	36-1350	T007-750-9-S 9 STEEL SHANK INSERT THREADING BAR	130.31	125.30	120.30	115.28
36	36-1355	T007-750-9-C 9 CARBIDE SHANK INSERT THREADING BAR	356.40	342.69	328.98	315.28
36	36-1360	T007-750-9-CO 9 CARBIDE COOLANT HOLE INSERT THREADING BAR	552.36	531.12	509.88	488.63
36	36-1365	T008-100-3-S 3 STEEL SHANK INSERT THREADING BAR	110.39	106.14	101.90	97.65
36	36-1370	T008-100-3-C 3 CARBIDE SHANK INSERT THREADING BAR	210.18	202.10	194.01	185.93
36	36-1375	T008-100-3-CO 3 CARBIDE COOLANT HOLE INSERT THREADING BAR	426.81	410.39	393.98	377.56
36	36-1380	T008-100-6-S 6 STEEL SHANK INSERT THREADING BAR	114.64	110.23	105.81	101.41
36	36-1385	T008-100-6-C 6 CARBIDE SHANK INSERT THREADING BAR	360.67	346.80	332.93	319.06
36	36-1390	T008-100-6-CO 6 CARBIDE COOLANT HOLE INSERT THREADING BAR	516.35	496.49	476.63	456.77
36	36-1395	T008-100-9-S 9 STEEL SHANK INSERT THREADING BAR	125.71	120.88	116.04	111.21

36	36-1400	T008-100-9-C 9 CARBIDE SHANK INSERT THREADING BAR	409.43	393.68	377.93	362.18
36	36-1405	T008-100-9-CO 9 CARBIDE COOLANT HOLE INSERT THREADING BAR	685.43	659.06	632.70	606.34
37	37-1300	06-IR-A60 INSERT	19.84	19.07	18.31	17.54
37	37-1304	06-1R-32 UN INSERT	19.84	19.07	18.31	17.54
37	37-1308	06-1R-28 UN INSERT	19.84	19.07	18.31	17.54
37	37-1312	06-1R-24 UN INSERT	19.84	19.07	18.31	17.54
37	37-1316	06-1R-20 UN INSERT	19.84	19.07	18.31	17.54
37	37-1320	06-1R-18 UN INSERT	19.84	19.07	18.31	17.54
37	37-1324	08-IR-A60 INSERT	19.84	19.07	18.31	17.54
37	37-1328	08-IR-32 UN INSERT	19.84	19.07	18.31	17.54
37	37-1332	08-IR-28 UN INSERT	19.84	19.07	18.31	17.54
37	37-1336	08-1R-24 UN INSERT	19.84	19.07	18.31	17.54
37	37-1340	08-1R-20 UN INSERT	19.84	19.07	18.31	17.54
37	37-1344	08-1R-18 UN INSERT	19.84	19.07	18.31	17.54
37	37-1348	08-1R-16 UN INSERT	19.84	19.07	18.31	17.54
37	37-1366	11-1R-A60 UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1368	11-IR-A60 COATED INSERT	19.84	19.07	18.31	17.54
37	37-1370	11-IR-36 UN UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1372	11-IR-36 PITCH TIN COATED THREADING INSERT	21.18	20.36	19.54	18.73
37	37-1374	11-IR-32 UN UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1376	11-1R-32 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1378	11-1R-28 UN UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1380	11-1R-28 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1382	11-1R-24 UN UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1383	11-IR-20 UN UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1384	11-1R-24 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1385	11-1R-20 UN COATED INSERT	19.25	18.52	17.77	17.04
37	37-1386	11-1R-18 UN UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1388	11-1R-18 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1390	11-1R-16 UN UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1392	11-1R-16 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1394	11-1R-14 UN UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1396	11-1R-14 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1398	11-1R-13 UN UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1400	11-1R-13 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1401	11-1R-12 UN UNCOATED INSERT	17.57	16.89	16.21	15.54
37	37-1402	11-1R-27 NPT UNCOATED INSERT	17.42	16.75	16.08	15.41
37	37-1403	11-1R-12 UN COATED INSERT	19.25	18.52	17.77	17.04

37	37-1404	11-1R-27 NPT COATED INSERT	19.84	19.07	18.31	17.54
37	37-1405	11-1R-11 UN UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1406	11-1R-18 NPT UNCOATED INSERT	17.42	16.75	16.08	15.41
37	37-1407	11-1R-11 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1408	11-1R-18 NPT COATED INSERT	19.84	19.07	18.31	17.54
37	37-1410	16-1R-A60 UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1412	16-1R-A60 COATED INSERT	19.84	19.07	18.31	17.54
37	37-1414	16-1R-AG60 UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1415	16-1R-AG60 8-14 UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1416	16-1R-AG60 COATED INSERT	19.84	19.07	18.31	17.54
37	37-1417	16-1R-G60 8-14 COATED INSERT	19.25	18.52	17.77	17.04
37	37-1418	16-1R-36 UN UNCOATED INSERT	18.10	17.39	16.70	16.01
37	37-1420	16-1R-36 UN COATED INSERT	21.18	20.36	19.54	18.73
37	37-1422	16-1R-32 UN UNCOATED INSERT	16.75	16.11	15.47	14.82
37	37-1424	16-1R-32 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1426	16-1R-28 UN UNCOATED INSERT	16.75	16.11	15.47	14.82
37	37-1428	16-1R-28 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1430	16-1R-24 UN UNCOATED K20 INSERT	16.75	16.11	15.47	14.82
37	37-1432	16-1R-24 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1434	16-1R-20 UN UNCOATED INSERT	16.75	16.11	15.47	14.82
37	37-1436	16-1R-20 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1438	16-1R-18 UN UNCOATED INSERT	16.75	16.11	15.47	14.82
37	37-1440	16-1R-18 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1442	16-1R-16 UN UNCOATED INSERT	16.75	16.11	15.47	14.82
37	37-1444	16-1R-16 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1446	16-1R-14 UN UNCOATED INSERT	16.75	16.11	15.47	14.82
37	37-1448	16-1R-14 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1450	16-1R-12 UN UNCOATED INSERT	16.75	16.11	15.47	14.82
37	37-1452	16-1R-12 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1454	16-1R-10 UN UNCOATED INSERT	16.75	16.11	15.47	14.82
37	37-1456	16-1R-10 UN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1458	16-1R-8 UN UNCOATED INSERT	16.75	16.11	15.47	14.82
37	37-1460	16-1R-8 UN TIN COATED INSERT	19.84	19.07	18.31	17.54
37	37-1462	16-1R-27 NPT UNCOATED INSERT	17.42	16.75	16.08	15.41
37	37-1464	16-1R-27 NPT COATED INSERT	19.84	19.07	18.31	17.54
37	37-1466	16-1R-18 NPT UNCOATED INSERT	17.42	16.75	16.08	15.41
37	37-1468	16-1R-18 NPT COATED INSERT	19.84	19.07	18.31	17.54
37	37-1470	16-1R-14 NPT UNCOATED INSERT	17.42	16.75	16.08	15.41

37	37-1472	16-1R-14 NPT COATED INSERT	19.84	19.07	18.31	17.54
37	37-1474	16-1R-11.5 NPT UNCOATED INSERT	17.42	16.75	16.08	15.41
37	37-1476	16-1R-11.5 NPT COATED INSERT	19.84	19.07	18.31	17.54
37	37-1478	16-1R-8 NPT UNCOATED INSERT	17.42	16.75	16.08	15.41
37	37-1480	16-1R-8 NPT COATED INSERT	19.84	19.07	18.31	17.54
38	38-1100	1/4 X 3/8 X 20 PITCH BUTTRESS THREAD TOOL	29.94	28.78	27.63	26.48
38	38-1105	1/4 X 3/4 X 20 PITCH BUTTRESS THREAD TOOL	29.94	28.78	27.63	26.48
38	38-1110	5/16 X 3/8 X 16 PITCH BUTTRESS THREAD TOOL	45.56	44.09	42.62	41.14
38	38-1115	5/16 X 3/4 X 16 PITCH BUTTRESS THREAD TOOL	45.56	44.09	42.62	41.14
38	38-1120	3/8 X 1/2 X 12 PITCH BUTTRESS THREAD TOOL	49.83	47.91	45.99	44.08
38	38-1125	3/8 X 1 X 12 PITCH BUTTRESS THREAD TOOL	49.83	47.91	45.99	44.08
38	38-1130	3/8 X 1/2 X 10 PITCH BUTTRESS THREAD TOOL	49.83	47.91	45.99	44.08
38	38-1135	3/8 X 1 X 10 PITCH BUTTRESS THREAD TOOL	49.83	47.91	45.99	44.08
38	38-1140	1/2 X 3/4 X 8 PITCH BUTTRESS THREAD TOOL	69.11	66.45	63.79	61.13
38	38-1145	1/2 X 1-1/4 X 8 PITCH BUTTRESS THREAD TOOL	69.11	66.45	63.79	61.13
38	38-1150	1/2 X 3/4 X 6 PITCH BUTTRESS THREAD TOOL	69.11	66.45	63.79	61.13
38	38-1155	1/2 X 1-1/4 X 6 PITCH BUTTRESS THREAD TOOL	69.11	66.45	63.79	61.13
39	39-1000	3/8 X 30° DBL ANGLE OD TOOL	36.63	35.23	33.88	32.52
39	39-1005	3/8 X 60° DBL ANGLE OD TOOL	36.63	35.23	33.88	32.52
39	39-1010	3/8 X 90° DBL ANGLE OD TOOL	36.63	35.96	33.88	32.52
39	39-1015	3/8 X 120° DBL ANGLE OD TOOL	36.63	35.23	33.88	32.52
39	39-6000	3/8 X .030 /.031 EXT O RING GROOVE TOOL TOOL	37.41	35.96	34.59	33.19
39	39-6000-C	3/8 X .030 /.031 EXT O RING GROOVE TOOL TOOL	41.85	40.40	39.03	37.64
39	39-6005	3/8 X .035 /.036 EXT O RING GROOVE TOOL TOOL	37.41	35.96	34.59	33.19
39	39-6005-C	3/8 X .035 /.036 EXT O RING GROOVE TOOL TOOL	41.85	40.40	39.03	37.64
39	39-6010	3/8 X .041 /.042 EXT O RING GROOVE TOOL TOOL	37.41	35.96	34.59	33.19
39	39-6010-C	3/8 X .041 /.042 EXT O RING GROOVE TOOL TOOL	41.85	40.40	39.03	37.64
39	39-6015	3/8 X .047 /.049 EXT O RING GROOVE TOOL TOOL	37.41	35.96	34.59	33.19
39	39-6015-C	3/8 X .047 /.049 EXT O RING GROOVE TOOL TOOL	41.85	40.40	39.03	37.64
39	39-6020	3/8 X .056 /.057 EXT O RING GROOVE TOOL TOOL	37.41	35.96	34.59	33.19
39	39-6020-C	3/8 X .056 /.057 EXT O RING GROOVE TOOL TOOL	41.85	40.40	39.03	37.64
39	39-6025	3/8 X .068 /.071 EXT O RING GROOVE TOOL	37.41	35.96	34.59	33.19
39	39-6025-C	3/8 X .068 /.071 EXT O RING GROOVE TOOL	41.85	40.40	39.03	37.64
39	39-7400	1/2 X .375 TOOL HOLDER	108.90	104.55	100.34	96.33
39	39-7410	5/8 X .375 TOOL HOLDER	108.90	104.55	100.34	97.01
39	39-7420	3/4 X .375 TOOL HOLDER	108.90	104.55	100.34	96.33
39	39-7430	1 X .375 TOOL HOLDER	108.90	104.55	100.34	96.33
40	40-1110	T11-31 5/16 MIN BORE BORING BAR HEAD	44.04	42.34	40.66	38.96

40	40-1115	T11-37 3/8 MIN BORE BORING BAR HEAD	48.78	46.91	45.03	43.16
40	40-1120	T11-43 7/16 MIN BORE BORING BAR HEAD	48.78	46.91	45.03	43.16
40	40-1125	T11-50 1/2 MIN BORE BORING BAR HEAD	48.78	46.91	45.03	43.16
40	40-1130	T11-56 9/16 MIN BORE BORING BAR HEAD	56.25	54.09	51.93	49.76
40	40-1135	T11-62 5/8 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1140	T11-68 11/16 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1145	T11-75 3/4 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1150	T11-87 7/8 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1155	T11-100 1 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1160	T11-112 1-1/8 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1165	D07-37 3/8 MIN BORE BORING BAR HEAD	48.78	46.91	45.03	43.16
40	40-1170	D07-43 7/16 MIN BORE BORING BAR HEAD	48.78	46.91	45.03	43.16
40	40-1175	D07-50 1/2 MIN BORE BORING BAR HEAD	48.78	46.91	45.03	43.16
40	40-1180	D07-56 9/16 MIN BORE BORING BAR HEAD	56.25	54.09	51.93	49.76
40	40-1185	D07-62 5/8 MIN BORE BORING BAR HEAD	56.25	54.09	51.93	49.76
40	40-1185B	D07-62-B 5/8 MIN BORE BORING BAR HEAD	56.25	54.09	51.93	49.76
40	40-1187	D07-62B 5/8 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1190	D07-68 11/16 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1192	D07-68B 11/16 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1195	D07-75 3/4 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1197	D07-75B 3/4 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1200	D07-87 7/8 MIN BORE BORING BAR HEAD	71.31	68.57	65.83	63.08
40	40-1205	D07-100 1 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1210	D07-112 1-1/8 MIN BORE BORING BAR HEAD	80.84	77.72	74.62	71.50
40	40-1215	D11-37 3/8 MIN BORE BORING BAR HEAD	48.78	46.91	45.03	43.16
40	40-1220	D11-43 7/16 MIN BORE BORING BAR HEAD	48.78	46.91	45.03	43.16
40	40-1225	D11-50 1/2 MIN BORE BORING BAR HEAD	48.78	46.91	45.03	43.16
40	40-1230	D11-56 9/16 MIN BORE BORING BAR HEAD	56.25	54.09	51.93	49.76
40	40-1235	D11-62 5/8 MIN BORE BORING BAR HEAD	56.25	54.09	51.93	49.76
40	40-1240	D11-68 11/16 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1245	D11-75 3/4 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1250	D11-87 7/8 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1255	D11-100 1 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1260	D11-112 1-1/8 MIN BORE BORING BAR HEAD	80.84	77.72	74.62	71.50
40	40-1265	T001 .236 MIN BORE BORING BAR HEAD	44.04	42.34	40.66	38.96
40	40-1270	T002 .307 MIN BORE BORING BAR HEAD	50.18	48.25	46.31	44.39
40	40-1275	T003 .354 MIN BORE BORING BAR HEAD	56.25	54.09	51.93	49.76
40	40-1277	T003.5 .390 MIN BORE BORING BAR HEAD	56.25	54.09	51.93	49.76

40	40-1280	T004 .470 MIN BORE BORING BAR HEAD	56.25	54.09	51.93	49.76
40	40-1285	T005 .625 MIN BORE BORING BAR HEAD	56.25	54.09	51.93	49.76
40	40-1290	T006 .640 MIN BORE BORING BAR HEAD	62.99	60.57	58.15	55.72
40	40-1295	T007 .750 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1300	T008 1.000 MIN BORE BORING BAR HEAD	73.45	70.63	67.81	64.97
40	40-1305	G-640 .640 MIN BORE BORING BAR HEAD	56.25	54.09	51.93	49.76
40	40-1310	G-750 .750 MIN BORE BORING BAR HEAD	62.99	60.57	58.15	55.72
41	41-0621	.062 (1/16) DIA X .200 L/C 4FSEM	15.40	14.86	14.16	13.40
41	41-0621-C	.062 (1/16) DIA X .200 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-0781	.078 (5/64) DIA X .280 L/C 4FSEM	15.40	14.86	14.16	13.40
41	41-0781-C	.078 (5/64) DIA X .280 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-0941	.094 (3/32) DIA X .190 L/C 4FSEM	12.32	11.81	11.34	10.72
41	41-0941-C	.094 (3/32) DIA X .190 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-0942	.094 (3/32) DIA X .380 L/C 4FSEM	12.32	11.81	11.34	10.72
41	41-0942-C	.094 (3/32) DIA X .380 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-0943	.094 (3/32) DIA X .500 L/C 4FSEM	15.40	14.74	14.16	13.40
41	41-0943-C	.094 (3/32) DIA X .500 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-0944	.094 (3/32) DIA X .750 L/C 4FSEM	15.40	14.74	14.16	13.40
41	41-0944-C	.094 (3/32) DIA X .750 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-0981	.098 (2.5MM) DIA X .250 L/C 4FSEM	15.40	14.74	14.16	13.40
41	41-0981-C	.098 (2.5MM) DIA X .250 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-1091	.109 (7/64) DIA X .250 L/C 4FSEM	15.40	14.74	14.16	13.40
41	41-1091-C	.109 (7/64) DIA X .250 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-1092	.109 (7/64) DIA X .500 L/C 4FSEM	15.40	14.74	14.16	13.40
41	41-1092-C	.109 (7/64) DIA X .500 L/C 4FSEM W/ALTIN COATING	17.23	16.69	16.00	15.23
41	41-1181	.118 (3MM) DIA X .400 L/C 4FSEM	15.40	14.74	14.16	13.40
41	41-1181-C	.118 (3MM) DIA X .400 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-1251	.125 (1/8) DIA X .250 L/C 4FSEM	12.32	11.81	11.34	10.72
41	41-1251-C	.125 (1/8) DIA X .250 L/C 4FSEM	14.16	13.64	13.16	12.56
41	41-1252	.125 (1/8) DIA X .380 L/C 4FSEM	15.40	14.74	14.16	13.40
41	41-1252-C	.125 (1/8) DIA X .380 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-1253	.125 (1/8) DIA X .500 L/C 4FSEM	12.32	11.81	11.34	10.72
41	41-1253-C	.125 (1/8) DIA X .500 L/C 4FSEM	14.16	13.64	13.16	12.56
41	41-1254	.125 (1/8) DIA X .750 L/C 4FSEM	15.40	14.74	14.16	13.40
41	41-1254-C	.125 (1/8) DIA X .750 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-1255	.125 (1/8) DIA X 1.000 L/C 4FSEM	15.40	14.74	14.16	13.40
41	41-1255-C	.125 (1/8) DIA X 1.000 L/C 4FSEM	17.23	16.69	16.00	15.23
41	41-1411	.141 (9/64) DIA X .380 L/C 4FSEM	16.06	15.42	14.80	14.20

41	41-1411-C	.141 (9/64) DIA X .380 L/C 4FSEM	18.52	17.87	17.25	16.65
41	41-1412	.141 (9/64) DIA X .750 L/C 4FSEM	16.06	15.42	14.80	14.20
41	41-1412-C	.141 (9/64) DIA X .750 L/C 4FSEM	19.36	18.71	18.10	17.49
41	41-1561	.156 (5/32) DIA X .380 L/C 4FSEM	16.06	15.42	14.80	14.20
41	41-1561-C	.156 (5/32) DIA X .380 L/C 4FSEM	18.52	17.87	17.25	16.65
41	41-1562	.156 (5/32) DIA X .650 L/C 4FSEM	16.06	15.42	14.80	14.20
41	41-1562-C	.156 (5/32) DIA X .650 L/C 4FSEM	19.36	18.71	18.10	17.49
41	41-1581	.158 (4MM) DIA X .380 L/C 4FSEM	16.06	15.42	14.80	14.20
41	41-1581-C	.158 (4MM) DIA X .380 L/C 4FSEM	18.15	17.87	17.25	16.65
41	41-1721	.172 (11/64) DIA X .380 L/C 4FSEM	16.06	15.42	14.80	14.20
41	41-1721-C	.172 (11/64) DIA X .380 L/C 4FSEM	18.52	17.87	17.25	16.65
41	41-1722	.172 (11/64) DIA X .650 L/C 4FSEM	16.06	15.42	14.80	14.20
41	41-1722-C	.172 (11/64) DIA X .650 L/C 4FSEM	19.36	18.71	18.10	17.49
41	41-1871	.187 (3/16) DIA X .380 L/C 4FSEM	16.06	15.42	14.80	14.20
41	41-1871-C	.187 (3/16) DIA X .380 L/C 4FSEM	18.52	17.87	17.25	16.65
41	41-1872	.187 (3/16) DIA X .650 L/C 4FSEM	16.06	15.42	14.80	14.20
41	41-1872-C	.187 (3/16) DIA X .650 L/C 4FSEM	18.52	17.87	17.25	16.65
41	41-1873	.187 (3/16) DIA X .750 L/C 4FSEM	16.06	15.42	14.80	14.20
41	41-1873-C	.187 (3/16) DIA X .750 L/C 4FSEM	19.36	18.71	18.10	17.49
41	41-1874	.187 (3/16) DIA X 1.000 L/C 4FSEM	16.06	15.42	14.80	14.20
41	41-1874-C	.187 (3/16) DIA X 1.000 L/C 4FSEM	19.36	18.71	18.10	17.49
41	41-1875	.187 (3/16) DIA X 1.300 L/C 4FSEM	16.06	15.42	14.80	14.20
41	41-1875-C	.187 (3/16) DIA X 1.300 L/C 4FSEM	19.36	18.71	18.10	17.49
41	41-1971	.197 (5MM) DIA X .500 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-1971-C	.197 (5MM) DIA X .500 L/C 4FSEM	29.77	28.72	27.72	26.76
41	41-2031	.203 (13/64) DIA X .400 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2031-C	.203 (13/64) DIA X .400 L/C 4FSEM	29.77	28.72	27.72	26.76
41	41-2032	.203 (13/64) DIA X .800 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2032-C	.203 (13/64) DIA X .800 L/C 4FSEM	29.77	28.72	27.72	26.76
41	41-2181	.218 (7/32) DIA X .400 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2181-C	.218 (7/32) DIA X .400 L/C 4FSEM	29.77	28.72	27.72	26.76
41	41-2182	.218 (7/32) DIA X .800 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2182-C	.218 (7/32) DIA X .800 L/C 4FSEM	29.77	28.72	27.72	26.76
41	41-2341	.234 (15/64) DIA X .400 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2341-C	.234 (15/64) DIA X .400 L/C 4FSEM	29.77	28.72	27.72	26.76
41	41-2342	.234 (15/64) DIA X .800 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2342-C	.234 (15/64) DIA X .800 L/C 4FSEM	29.77	28.72	27.72	26.76
41	41-2361	.236 (6MM) DIA X .500 L/C 4FSEM	26.09	25.04	24.04	20.92

41	41-2361-C	.236 (6MM) DIA X .500 L/C 4FSEM	29.77	28.72	27.72	26.76
41	41-2501	.250 (1/4) DIA X .500 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2501-C	.250 (1/4) DIA X .500 L/C 4FSEM	29.77	28.72	27.72	26.76
41	41-2502	.250 (1/4) DIA X .800 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2502-C	.250 (1/4) DIA X .800 L/C 4FSEM	29.77	28.72	27.72	26.76
41	41-2503	.250 (1/4) DIA X 1.000 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2503-C	.250 (1/4) DIA X 1.000 L/C 4FSEM	29.77	28.72	27.72	26.76
41	41-2504	.250 (1/4) DIA X 1.300 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2504-C	.250 (1/4) DIA X 1.300 L/C 4FSEM	31.00	29.95	28.95	28.00
41	41-2505	.250 (1/4) DIA X 1.500 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2505-C	.250 (1/4) DIA X 1.500 L/C 4FSEM	32.18	31.13	30.13	29.18
41	41-2506	.250 (1/4) DIA X 1.800 L/C 4FSEM	26.09	25.04	24.04	23.08
41	41-2506-C	.250 (1/4) DIA X 1.800 L/C 4FSEM	32.18	31.13	30.13	29.18
41	41-2661	.266 (17/64) DIA X .500 L/C 4FSEM	28.67	27.52	26.41	25.33
41	41-2661-C	.266 (17/64) DIA X .500 L/C 4FSEM	33.58	32.44	31.33	30.24
41	41-2662	.266 (17/64) DIA X 1.000 L/C 4FSEM	28.67	27.52	26.41	25.33
41	41-2662-C	.266 (17/64) DIA X 1.000 L/C 4FSEM	35.97	34.84	33.72	32.64
41	41-2761	.276 (7MM) DIA X .650 L/C 4FSEM	28.67	27.52	26.41	25.33
41	41-2761-C	.276 (7MM) DIA X .650 L/C 4FSEM	35.97	34.84	33.72	32.64
41	41-2811	.281 (9/32) DIA X .500 L/C 4FSEM	28.67	27.52	26.41	25.33
41	41-2811-C	.281 (9/32) DIA X .500 L/C 4FSEM	33.58	32.44	31.33	30.24
41	41-2812	.281 (9/32) DIA X .800 L/C 4FSEM	22.93	22.01	21.12	20.29
41	41-2812-C	.281 (9/32) DIA X .800 L/C 4FSEM	35.97	34.84	33.72	32.64
41	41-2971	.297 (19/64) DIA X .500 L/C 4FSEM	28.67	27.52	26.41	25.33
41	41-2971-C	.297 (19/64) DIA X .500 L/C 4FSEM	35.97	34.84	33.72	32.64
41	41-2972	.297 (19/64) DIA X .800 L/C 4FSEM	28.67	27.52	26.41	25.33
41	41-2972-C	.297 (19/64) DIA X .800 L/C 4FSEM	35.97	34.84	33.72	32.64
41	41-3121	.312 (5/16) DIA X .500 L/C 4FSEM	28.67	27.52	26.41	25.33
41	41-3121-C	.312 (5/16) DIA X .500 L/C 4FSEM	35.97	34.84	33.72	32.64
41	41-3122	.312 (5/16) DIA X .750 L/C 4FSEM	28.67	27.52	26.41	25.33
41	41-3122-C	.312 (5/16) DIA X .750 L/C 4FSEM	35.97	34.84	33.72	32.64
41	41-3123	.312 (5/16) DIA X 1.000 L/C 4FSEM	28.67	27.52	26.41	25.33
41	41-3123-C	.312 (5/16) DIA X 1.000 L/C 4FSEM	35.97	34.84	33.74	32.68
41	41-3124	.312 (5/16) DIA X 1.250 L/C 4FSEM	28.67	27.52	26.41	25.33
41	41-3124-C	.312 (5/16) DIA X 1.250 L/C 4FSEM	35.97	34.84	33.74	32.68
41	41-3125	.312 (5/16) DIA X 1.500 L/C 4FSEM	30.04	28.82	27.68	26.56
41	41-3125-C	.312 (5/16) DIA X 1.500 L/C 4FSEM	39.80	38.59	37.43	36.34
41	41-3126	.312 (5/16) DIA X 1.800 L/C 4FSEM	30.04	28.82	27.68	26.56

41	41-3126-C	.312 (5/16) DIA X 1.800 L/C 4FSEM	39.80	38.59	37.43	36.34
41	41-3151	.315 (8MM) DIA X .500 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3151-C	.315 (8MM) DIA X .500 L/C 4FSEM	38.69	37.34	36.04	34.80
41	41-3152	.315 (8MM) DIA X .750 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3152-C	.315 (8MM) DIA X .750 L/C 4FSEM	41.08	39.73	38.43	37.20
41	41-3281	.328 (21/64) DIA X .500 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3281-C	.328 (21/64) DIA X .500 L/C 4FSEM	38.69	37.34	36.04	34.80
41	41-3282	.328 (21/64) DIA X .750 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3282-C	.328 (21/64) DIA X .750 L/C 4FSEM	41.08	39.73	38.43	37.20
41	41-3441	.344 (11/32) DIA X .500 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3441-C	.344 (11/32) DIA X .500 L/C 4FSEM	38.69	37.09	36.04	34.80
41	41-3442	.344 (11/32) DIA X .750 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3442-C	.344 (11/32) DIA X .750 L/C 4FSEM	41.08	39.73	38.43	37.20
41	41-3541	.354 (9MM) DIA X .500 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3541-C	.354 (9MM) DIA X .500 L/C 4FSEM	38.69	37.34	36.04	34.80
41	41-3591	.359 (23/64) DIA X .500 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3591-C	.359 (23/64) DIA X .500 L/C 4FSEM	38.69	37.34	36.04	34.80
41	41-3592	.359 (23/64) DIA X .750 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3592-C	.359 (23/64) DIA X .750 L/C 4FSEM	41.08	39.73	38.43	37.20
41	41-3751	.375 (3/8) DIA X .500 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3751-C	.375 (3/8) DIA X .500 L/C 4FSEM	38.69	37.34	36.04	34.80
41	41-3752	.375 (3/8) DIA X .750 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3752-C	.375 (3/8) DIA X .750 L/C 4FSEM	41.08	39.73	38.43	37.20
41	41-3753	.375 (3/8) DIA X 1.000 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3753-C	.375 (3/8) DIA X 1.000 L/C 4FSEM	35.29	34.17	33.10	32.07
41	41-3754	.375 (3/8) DIA X 1.250 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3754-C	.375 (3/8) DIA X 1.250 L/C 4FSEM	41.08	39.73	38.43	37.20
41	41-3755	.375 (3/8) DIA X 1.500 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3755-C	.375 (3/8) DIA X 1.500 L/C 4FSEM	41.31	40.04	38.83	37.67
41	41-3756	.375 (3/8) DIA X 1.750 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3756-C	.375 (3/8) DIA X 1.750 L/C 4FSEM	43.53	42.18	40.88	39.65
41	41-3757	.375 (3/8) DIA X 2.000 L/C 4FSEM	33.78	32.36	31.03	29.73
41	41-3757-C	.375 (3/8) DIA X 2.000 L/C 4FSEM	43.53	42.18	40.88	39.65
41	41-3911	.391 (25/64) DIA X .750 L/C 4FSEM	35.87	34.43	33.05	31.72
41	41-3911-C	.391 (25/64) DIA X .750 L/C 4FSEM	45.62	44.19	42.81	41.49
41	41-3912	.391 (25/64) DIA X 1.000 L/C 4FSEM	35.87	34.43	33.05	31.72
41	41-3912-C	.391 (25/64) DIA X 1.000 L/C 4FSEM	45.62	44.19	42.81	41.49
41	41-3941	.394 (10MM) DIA X .750 L/C 4FSEM	35.87	34.43	33.05	31.72

41	41-3941-C	.394 (10MM) DIA X .750 L/C 4FSEM	45.62	44.19	42.81	41.49
41	41-3942	.394 (10MM) DIA X 1.000 L/C 4FSEM	35.87	34.43	33.05	31.72
41	41-3942-C	.394 (10MM) DIA X 1.000 L/C 4FSEM	45.62	44.19	42.81	41.49
41	41-4061	.406 (13/32) DIA X .750 L/C 4FSEM	35.87	34.43	33.05	31.72
41	41-4061-C	.406 (13/32) DIA X .750 L/C 4FSEM	45.62	44.19	42.81	41.49
41	41-4062	.406 (13/32) DIA X 1.000 L/C 4FSEM	35.87	34.43	33.05	31.72
41	41-4062-C	.406 (13/32) DIA X 1.000 L/C 4FSEM	45.62	44.19	42.81	41.49
41	41-4221	.422 (27/64) DIA X .750 L/C 4FSEM	35.87	34.43	33.05	31.72
41	41-4221-C	.422 (27/64) DIA X .750 L/C 4FSEM	45.62	44.19	42.81	41.49
41	41-4222	.422 (27/64) DIA X 1.000 L/C 4FSEM	35.87	34.43	33.05	31.72
41	41-4222-C	.422 (27/64) DIA X 1.000 L/C 4FSEM	45.62	44.19	42.81	41.49
41	41-4331	.433 (11MM) DIA X .750 L/C 4FSEM	35.87	34.43	33.05	31.72
41	41-4331-C	.433 (11MM) DIA X .750 L/C 4FSEM	45.62	44.19	42.81	41.49
41	41-4371	.437 (7/16) DIA X .750 L/C 4FSEM	35.87	34.43	33.05	31.72
41	41-4371-C	.437 (7/16) DIA X .750 L/C 4FSEM	45.62	44.19	42.81	41.49
41	41-4372	.437 (7/16) DIA X 1.000 L/C 4FSEM	35.87	34.43	33.05	31.72
41	41-4372-C	.437 (7/16) DIA X 1.000 L/C 4FSEM	45.62	44.19	42.81	41.49
41	41-4373	.437 (7/16) DIA X 1.800 L/C 4FSEM	38.32	36.89	35.87	34.19
41	41-4373-C	.437 (7/16) DIA X 1.800 L/C 4FSEM	48.09	46.66	45.28	43.96
41	41-4531	.453 (29/64) DIA X .750 L/C 4FSEM	43.50	41.76	40.09	38.49
41	41-4531-C	.453 (29/64) DIA X .750 L/C 4FSEM	53.27	51.53	49.85	48.25
41	41-4532	.453 (29/64) DIA X 1.250 L/C 4FSEM	43.50	41.76	40.09	38.49
41	41-4532-C	.453 (29/64) DIA X 1.250 L/C 4FSEM	53.27	51.53	49.85	48.25
41	41-4691	.469 (15/32) DIA X .750 L/C 4FSEM	43.50	41.76	40.09	38.49
41	41-4691-C	.469 (15/32) DIA X .750 L/C 4FSEM	53.27	51.53	49.85	48.25
41	41-4692	.469 (15/32) DIA X .750 L/C 4FSEM	43.50	41.76	40.09	38.49
41	41-4692-C	.469 (15/32) DIA X .750 L/C 4FSEM	53.27	51.53	49.85	48.25
41	41-4721	.472 (12MM) DIA X .750 L/C 4FSEM	43.50	41.76	40.09	38.49
41	41-4721-C	.472 (12MM) DIA X .750 L/C 4FSEM	53.27	51.53	49.85	48.25
41	41-4722	.472 (12MM) DIA X 1.250 L/C 4FSEM	43.50	41.76	40.09	38.49
41	41-4722-C	.472 (12MM) DIA X 1.250 L/C 4FSEM	53.27	51.53	49.85	48.25
41	41-4841	.484 (31/64) DIA X .750 L/C 4FSEM	43.53	41.76	40.09	38.49
41	41-4841-C	.484 (31/64) DIA X .750 L/C 4FSEM	53.27	51.53	49.85	48.25
41	41-4842	.484 (31/64) DIA X 1.250 L/C 4FSEM	43.50	41.76	40.09	38.49
41	41-4842-C	.484 (31/64) DIA X 1.250 L/C 4FSEM	53.27	51.53	49.85	48.25
41	41-5001	.500 (1/2) DIA X .750 L/C 4FSEM	43.50	41.76	40.09	38.49
41	41-5001-C	.500 (1/2) DIA X .750 L/C 4FSEM	53.27	51.53	49.85	48.25
41	41-5002	.500 (1/2) DIA X 1.000 L/C 4FSEM	43.50	41.76	40.09	38.49

41	41-5002-C	.500 (1/2) DIA X 1.000 L/C 4FSEM	53.27	51.53	49.85	48.25
41	41-5003	.500 (1/2) DIA X 1.250 L/C 4FSEM	43.50	41.76	40.09	38.49
41	41-5003-C	.500 (1/2) DIA X 1.250 L/C 4FSEM	53.27	51.53	49.85	48.25
41	41-5004	.500 (1/2) DIA X 1.500 L/C 4FSEM	45.84	43.99	42.18	40.50
41	41-5004-C	.500 (1/2) DIA X 1.500 L/C 4FSEM	58.07	56.23	54.47	52.79
41	41-5005	.500 (1/2) DIA X 1.750 L/C 4FSEM	45.84	43.99	42.18	40.50
41	41-5005-C	.500 (1/2) DIA X 1.750 L/C 4FSEM	58.07	56.23	54.47	52.79
41	41-5006	.500 (1/2) DIA X 2.000 L/C 4FSEM	45.84	43.99	42.18	40.50
41	41-5006-C	.500 (1/2) DIA X 2.000 L/C 4FSEM	58.07	56.23	54.47	52.79
41	41-5007	.500 (1/2) DIA X 3.000 L/C 4FSEM	50.67	48.64	45.94	44.82
41	41-5007-C	.500 (1/2) DIA X 3.000 L/C 4FSEM	67.77	66.42	63.80	61.93
41	41-5008	.500 (1/2) DIA X 4.000 L/C 4FSEM	56.76	54.49	52.31	50.21
41	41-5008-C	.500 (1/2) DIA X 4.000 L/C 4FSEM	67.77	65.74	63.80	61.93
42	42-0980	QCBO-030-100	21.13	20.29	19.48	18.70
42	42-0980-C	QCBO-030-100	23.58	22.64	21.73	20.86
42	42-0985	QCBO-030-150	21.13	20.29	19.48	18.70
42	42-0985-C	QCBO-030-150	23.58	22.64	21.73	20.06
42	42-0990	QCBO-040-200	21.13	20.29	19.48	18.70
42	42-0990-C	QCBO-040-200	23.58	22.64	21.73	20.86
42	42-0995	QCBO-040-300	21.13	20.29	19.48	18.70
42	42-0995-C	QCBO-040-300	23.58	22.64	21.73	20.86
42	42-1000	QCBO-050-200	21.13	20.29	19.48	18.70
42	42-1000-C	QCBO-050-200 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1005	QCBO-050-300	21.13	20.29	19.48	18.70
42	42-1005-C	QCBO-050-300 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1010	QCBO-060-200	21.13	20.29	19.48	18.70
42	42-1010-C	QCBO-060-200 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1015	QCBO-060-300	21.13	20.29	19.48	18.70
42	42-1015-C	QCBO-060-300 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1020	QCBO-060-400	21.13	20.29	19.48	18.70
42	42-1020-C	QCBO-060-400 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1025	QCBO-060-500	21.13	20.29	19.48	18.70
42	42-1025-C	QCBO-060-500 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1030	QCBO-080-200	21.13	20.29	19.48	18.70
42	42-1030-C	QCBO-080-200 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1035	QCBO-080-300	21.13	20.29	19.48	18.70
42	42-1035-C	QCBO-080-300 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1040	QCBO-080-400	21.13	20.29	19.48	18.70

42	42-1040-C	QCBO-080-400 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1045	QCBO-080-500	21.13	20.29	19.48	18.70
42	42-1045-C	QCBO-080-500 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1050	QCBO-100-200	21.13	20.29	19.48	18.70
42	42-1050-C	QCBO-100-200 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1055	QCBO-100-300	21.13	20.29	19.48	18.70
42	42-1055-C	QCBO-100-300 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1060	QCBO-100-400	21.13	20.29	19.48	18.70
42	42-1060-C	QCBO-100-400 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1065	QCBO-100-500	21.13	20.29	19.48	18.70
42	42-1065-C	QCBO-100-500 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1070	QCBO-100-600	21.13	20.29	19.48	18.70
42	42-1070-C	QCBO-100-600 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1075	QCBO-100-700	21.13	20.29	19.48	18.70
42	42-1075-C	QCBO-100-700 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1080	QCBO-120-200	21.13	20.29	19.48	18.70
42	42-1080-C	QCBO-120-200 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1085	QCBO-120-300	21.13	20.29	19.48	18.70
42	42-1085-C	QCBO-120-300 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1090	QCBO-120-400	21.13	20.29	19.48	18.70
42	42-1090-C	QCBO-120-400 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1095	QCBO-120-500	21.13	20.29	19.48	18.70
42	42-1095-C	QCBO-120-500 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1100	QCBO-120-600	21.13	20.29	19.48	18.70
42	42-1100-C	QCBO-120-600 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1105	QCBO-120-700	21.13	20.29	19.48	18.70
42	42-1105-C	QCBO-120-700 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1110	QCBO-140-200	21.13	20.29	19.48	18.70
42	42-1110-C	QCBO-140-200 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1115	QCBO-140-300	21.13	20.29	19.48	18.70
42	42-1115-C	QCBO-140-300 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1120	QCBO-140-400	21.13	20.29	19.48	18.70
42	42-1120-C	QCBO-140-400 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1125	QCBO-140-500	21.13	20.29	19.48	18.70
42	42-1125-C	QCBO-140-500 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1130	QCBO-140-600	21.13	20.29	19.48	18.70
42	42-1130-C	QCBO-140-600 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1135	QCBO-140-700	21.13	20.29	19.48	18.70

42	42-1135-C	QCBO-140-700 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1140	QCBO-160-200	21.13	20.29	19.48	18.70
42	42-1140-C	QCBO-160-200 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1145	QCBO-160-300	21.13	20.29	19.48	18.70
42	42-1145-C	QCBO-160-300 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1150	QCBO-160-400	21.13	20.29	19.48	18.70
42	42-1150-C	QCBO-160-400 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1155	QCBO-160-500	21.13	20.29	19.48	18.70
42	42-1155-C	QCBO-160-500 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1160	QCBO-160-600	21.13	20.29	19.48	18.70
42	42-1160-C	QCBO-160-600 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1165	QCBO-160-700	21.13	20.29	19.48	18.70
42	42-1165-C	QCBO-160-700 ALTIM COATED	21.65	20.92	20.18	19.44
42	42-1170	QCBO-160-800	21.13	20.29	19.48	18.70
42	42-1170-C	QCBO-160-800 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1175	QCBO-160-900	21.13	20.29	19.48	18.70
42	42-1175-C	QCBO-160-900 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1180	QCBO-160-1000	21.13	20.29	19.48	18.70
42	42-1180-C	QCBO-160-1000 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1185	QCBO-160-1100	21.13	20.29	19.48	18.70
42	42-1185-C	QCBO-160-1100 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1190	QCBO-180-200	21.13	20.29	19.48	18.70
42	42-1190-C	QCBO-180-200 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1195	QCBO-180-300	21.13	20.29	19.48	18.70
42	42-1195-C	QCBO-180-300 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1200	QCBO-180-400	21.13	22.64	21.73	20.86
42	42-1200-C	QCBO-180-400 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1205	QCBO-180-500	21.13	20.29	19.48	18.70
42	42-1205-C	QCBO-180-500 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1210	QCBO-180-600	21.13	20.29	19.48	18.70
42	42-1210-C	QCBO-180-600 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1215	QCBO-180-700	21.13	20.29	19.48	18.70
42	42-1215-C	QCBO-180-700 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1220	QCBO-180-800	21.13	20.29	19.48	18.70
42	42-1220-C	QCBO-180-800 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1225	QCBO-180-900	21.13	20.29	19.48	18.70
42	42-1225-C	QCBO-180-900 ALTIM COATED	23.58	22.64	21.73	20.86
42	42-1230	QCBO-180-1000	21.13	20.29	19.48	18.70

42	42-1230-C	QCBO-180-1000 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-1235	QCBO-180-1100	21.13	20.29	19.48	18.70
42	42-1235-C	QCBO-180-1100 ALTIN COATED	23.58	22.64	21.73	20.86
42	42-3000	QCTH-060-200	24.27	23.30	22.37	21.47
42	42-3000-C	QCTH-060-200 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3005	QCTH-060-300	24.27	23.30	22.37	21.47
42	42-3005-C	QCTH-060-300 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3010	QCTH-080-200	24.27	23.30	22.37	21.47
42	42-3010-C	QCTH-080-200 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3015	QCTH-080-300	24.27	23.30	22.37	21.47
42	42-3015-C	QCTH-080-300 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3020	QCTH-080-400	24.27	23.30	22.37	21.47
42	42-3020-C	QCTH-080-400 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3025	QCTH-080-500	24.27	23.30	22.37	21.47
42	42-3025-C	QCTH-080-500 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3030	QCTH-100-200	24.27	23.30	22.37	21.47
42	42-3030-C	QCTH-100-200 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3035	QCTH-100-300	24.27	23.30	22.37	21.47
42	42-3035-C	QCTH-100-300 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3040	QCTH-100-400	24.27	23.30	22.37	21.47
42	42-3040-C	QCTH-100-400 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3045	QCTH-100-500	24.27	23.30	22.37	21.47
42	42-3045-C	QCTH-100-500 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3050	QCTH-120-200	24.27	23.30	22.37	21.47
42	42-3050-C	QCTH-120-200 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3055	QCTH-120-300	24.27	23.30	22.37	21.47
42	42-3055-C	QCTH-120-300 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3060	QCTH-120-400	24.27	23.30	22.37	21.47
42	42-3060-C	QCTH-120-400 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3065	QCTH-120-500	24.27	23.30	22.37	21.47
42	42-3065-C	QCTH-120-500 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3070	QCTH-140-200	24.27	23.30	22.37	21.47
42	42-3070-C	QCTH-140-200 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3075	QCTH-140-300	24.27	23.30	22.37	21.47
42	42-3075-C	QCTH-140-300 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3080	QCTH-140-400	24.27	23.30	22.37	21.47
42	42-3080-C	QCTH-140-400 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3085	QCTH-140-500	24.27	23.30	22.37	21.47

42	42-3085-C	QCTH-140-500 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3090	QCTH-140-600	24.27	23.30	22.37	21.47
42	42-3090-C	QCTH-140-600 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3095	QCTH-140-700	24.27	23.30	22.37	21.47
42	42-3095-C	QCTH-140-700 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3100	QCTH-160-200	24.27	23.30	22.37	21.47
42	42-3100-C	QCTH-160-200 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3105	QCTH-160-300	24.27	23.30	22.37	21.47
42	42-3105-C	QCTH-160-300 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3110	QCTH-160-400	24.27	23.30	22.37	21.47
42	42-3110-C	QCTH-160-400 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3115	QCTH-160-500	24.27	23.30	22.37	21.47
42	42-3115-C	QCTH-160-500 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3120	QCTH-160-600	24.27	23.30	22.37	21.47
42	42-3120-C	QCTH-160-600 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3125	QCTH-160-700	24.27	23.30	22.37	21.47
42	42-3125-C	QCTH-160-700 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3130	QCTH-180-200	24.27	23.30	22.37	21.47
42	42-3130-C	QCTH-180-200 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3135	QCTH-180-300	24.27	23.30	22.37	21.47
42	42-3135-C	QCTH-180-300 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3140	QCTH-180-400	24.27	23.30	22.37	21.47
42	42-3140-C	QCTH-180-400 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3145	QCTH-180-500	24.27	23.30	22.37	21.47
42	42-3145-C	QCTH-180-500 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3150	QCTH-180-600	24.27	23.30	22.37	21.47
42	42-3150-C	QCTH-180-600 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-3155	QCTH-180-700	24.27	23.30	22.37	21.47
42	42-3155-C	QCTH-180-700 ALTIN COATED	26.72	25.64	24.62	23.63
42	42-4000	3/16 X .30° ANGLE QC FACE GROOVER	29.66	28.47	27.33	26.24
42	42-4000-C	3/16 X .30° ANGLE QC FACE GROOVER	32.08	30.79	29.56	28.37
42	42-4500	3/16 X 45° ANGLE QC FACE GROOVER	29.66	28.47	27.33	26.24
42	42-4500-C	3/16 X 45° ANGLE QC FACE GROOVER	32.08	30.79	29.56	28.37
42	42-5000	QCPR-080-200	30.41	29.25	28.08	26.91
42	42-5000-C	QCPR-080-200 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5005	QCPR-080-300	30.41	29.25	28.08	26.91
42	42-5005-C	QCPR-080-300 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5010	QCPR-100-200	30.41	29.25	28.08	26.91

42	42-5010-C	QCPR-100-200 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5015	QCPR-100-300	30.41	29.25	28.08	26.91
42	42-5015-C	QCPR-100-300 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5020	QCPR-120-200	30.41	29.25	28.08	26.91
42	42-5020-C	QCPR-120-200 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5025	QCPR-120-300	30.41	29.25	28.08	26.91
42	42-5025-C	QCPR-120-300 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5030	QCPR-120-400	30.41	29.25	28.08	26.91
42	42-5030-C	QCPR-120-400 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5035	QCPR-120-500	30.41	29.25	28.08	26.91
42	42-5035-C	QCPR-120-500 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5040	QCPR-120-600	30.41	29.25	28.08	26.91
42	42-5040-C	QCPR-120-600 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5045	QCPR-120-700	30.41	29.25	28.08	26.91
42	42-5045-C	QCPR-120-700 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5050	QCPR-140-200	30.41	29.25	28.08	26.91
42	42-5050-C	QCPR-140-200 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5055	QCPR-140-300	30.41	29.25	28.08	26.91
42	42-5055-C	QCPR-140-300 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5060	QCPR-140-400	30.41	29.25	28.08	26.91
42	42-5060-C	QCPR-140-400 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5065	QCPR-140-500	30.41	29.25	28.08	26.91
42	42-5065-C	QCPR-140-500 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5070	QCPR-140-600	30.41	29.25	28.08	26.91
42	42-5070-C	QCPR-140-600 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5075	QCPR-140-700	30.41	29.25	28.08	26.91
42	42-5075-C	QCPR-140-700 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5080	QCPR-160-200	30.41	29.25	28.08	26.91
42	42-5080-C	QCPR-160-200 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5085	QCPR-160-300	30.41	29.25	28.08	26.91
42	42-5085-C	QCPR-160-300 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5090	QCPR-160-400	30.41	29.25	28.08	26.91
42	42-5090-C	QCPR-160-400 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5095	QCPR-160-500	30.41	29.25	28.08	26.91
42	42-5095-C	QCPR-160-500 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5100	QCPR-160-600	30.41	29.25	28.08	26.91
42	42-5100-C	QCPR-160-600 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5105	QCPR-160-700	30.41	29.25	28.08	26.91

42	42-5105-C	QCPR-160-700 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5110	QCPR-180-200	30.41	29.25	28.08	26.91
42	42-5110-C	QCPR-180-200 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5115	QCPR-180-300	30.41	29.25	28.08	26.91
42	42-5115-C	QCPR-180-300 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5120	QCPR-180-400	30.41	29.25	28.08	26.91
42	42-5120-C	QCPR-180-400 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5125	QCPR-180-500	30.41	29.25	28.08	26.91
42	42-5125-C	QCPR-180-500 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5130	QCPR-180-600	30.41	29.25	28.08	26.91
42	42-5130-C	QCPR-180-600 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-5135	QCPR-180-700	30.41	29.25	28.08	26.91
42	42-5135-C	QCPR-180-700 ALTIN COATED	32.87	31.70	30.53	29.35
42	42-7000	QCGV-018-200	26.69	25.67	24.64	23.61
42	42-7000-C	QCGV-018-200 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7005	QCGV-018-300	26.69	25.67	24.64	23.61
42	42-7005-C	QCGV-018-300 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7010	QCGV-018-400	26.69	25.67	24.64	23.61
42	42-7010-C	QCGV-018-400 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7015	QCGV-018-500	26.69	25.67	24.64	23.61
42	42-7015-C	QCGV-018-500 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7020	QCGV-018-600	26.69	25.67	24.64	23.61
42	42-7020-C	QCGV-018-600 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7025	QCGV-018-700	26.69	25.67	24.64	23.61
42	42-7025-C	QCGV-018-700 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7030	QCGV-029-200	26.69	25.67	24.64	23.61
42	42-7030-C	QCGV-029-200 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7035	QCGV-029-300	26.69	25.67	24.64	23.61
42	42-7035-C	QCGV-029-300 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7040	QCGV-029-400	26.69	25.67	24.64	23.61
42	42-7040-C	QCGV-029-400 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7045	QCGV-029-500	26.69	25.67	24.64	23.61
42	42-7045-C	QCGV-029-500 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7050	QCGV-029-600	26.69	25.67	24.64	23.61
42	42-7050-C	QCGV-029-600 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7055	QCGV-029-700	26.69	25.67	24.64	23.61
42	42-7055-C	QCGV-029-700 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7060	QCGV-032-200	26.69	25.67	24.64	23.61

42	42-7060-C	QCGV-032-200 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7065	QCGV-032-300	26.69	25.67	24.64	23.61
42	42-7065-C	QCGV-032-300 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7070	QCGV-032-400	26.69	25.67	24.64	23.61
42	42-7070-C	QCGV-032-400 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7075	QCGV-032-500	26.69	25.67	24.64	23.61
42	42-7075-C	QCGV-032-500 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7080	QCGV-032-600	26.69	25.67	24.64	23.61
42	42-7080-C	QCGV-032-600 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7085	QCGV-032-700	26.69	25.67	24.64	23.61
42	42-7085-C	QCGV-032-700 ALTIN COATED	29.15	27.33	27.10	26.08
42	42-7090	QCGV-033-200	26.69	25.67	24.64	23.61
42	42-7090-C	QCGV-033-200 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7095	QCGV-033-300	26.69	25.67	24.64	23.61
42	42-7095-C	QCGV-033-300 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7100	QCGV-033-400	26.69	25.67	24.63	23.61
42	42-7100-C	QCGV-033-400 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7105	QCGV-033-500	26.69	25.67	24.64	23.61
42	42-7105-C	QCGV-033-500 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7110	QCGV-033-600	26.69	25.67	24.64	23.61
42	42-7110-C	QCGV-033-600 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7115	QCGV-033-700	26.69	25.67	24.64	23.61
42	42-7115-C	QCGV-033-700 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7120	QCGV-039-200	26.69	25.67	24.64	23.61
42	42-7120-C	QCGV-039-200 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7125	QCGV-039-300	26.69	25.67	24.64	23.61
42	42-7125-C	QCGV-039-300 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7130	QCGV-039-400	26.69	25.67	24.64	23.61
42	42-7130-C	QCGV-039-400 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7135	QCGV-039-500	26.69	25.67	24.64	23.61
42	42-7135-C	QCGV-039-500 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7140	QCGV-039-600	26.69	25.67	24.64	23.61
42	42-7140-C	QCGV-039-600 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7145	QCGV-039-700	26.69	25.67	24.64	23.61
42	42-7145-C	QCGV-039-700 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7150	QCGV-040-200	26.69	25.67	24.64	23.61
42	42-7150-C	QCGV-040-200 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7155	QCGV-040-300	26.69	25.67	24.64	23.61

42	42-7155-C	QCGV-040-300 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7160	QCGV-040-400	26.69	25.67	24.64	23.61
42	42-7160-C	QCGV-040-400 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7165	QCGV-040-500	26.69	25.67	24.64	23.61
42	42-7165-C	QCGV-040-500 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7170	QCGV-040-600	26.69	25.67	24.64	23.61
42	42-7170-C	QCGV-040-600 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7175	QCGV-040-700	26.69	25.67	24.64	23.61
42	42-7175-C	QCGV-040-700 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7180	QCGV-046-200	26.69	25.67	24.64	23.61
42	42-7180-C	QCGV-046-200 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7185	QCGV-046-300	26.69	25.67	24.64	23.61
42	42-7185-C	QCGV-046-300 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7190	QCGV-046-400	26.69	25.67	24.64	23.61
42	42-7190-C	QCGV-046-400 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7195	QCGV-046-500	26.69	25.67	24.64	23.61
42	42-7195-C	QCGV-046-500 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7200	QCGV-046-600	26.69	25.67	24.64	23.61
42	42-7200-C	QCGV-046-600 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7205	QCGV-046-700	26.69	25.67	24.64	23.61
42	42-7205-C	QCGV-046-700 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7210	QCGV-048-200	26.69	25.67	24.64	23.61
42	42-7210-C	QCGV-048-200 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7215	QCGV-048-300	26.69	25.67	24.64	23.61
42	42-7215-C	QCGV-048-300 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7220	QCGV-048-400	26.69	25.67	24.64	23.61
42	42-7220-C	QCGV-048-400 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7225	QCGV-048-500	26.69	25.67	24.64	23.61
42	42-7225-C	QCGV-048-500 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7230	QCGV-048-600	26.69	25.67	24.64	23.61
42	42-7230-C	QCGV-048-600 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7235	QCGV-048-700	26.69	25.67	24.64	23.61
42	42-7235-C	QCGV-048-700 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7240	QCGV-056-200	26.69	25.67	24.64	23.61
42	42-7240-C	QCGV-056-200 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7245	QCGV-056-300	26.69	25.67	24.64	23.61
42	42-7245-C	QCGV-056-300 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7250	QCGV-056-400	26.69	25.67	24.64	23.61

42	42-7250-C	QCGV-056-400 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7255	QCGV-056-500	26.69	25.67	24.64	23.61
42	42-7255-C	QCGV-056-500 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7260	QCGV-056-600	26.69	25.67	24.64	23.61
42	42-7260-C	QCGV-056-600 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7265	QCGV-056-700	26.69	25.67	24.64	23.61
42	42-7265-C	QCGV-056-700 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7270	QCGV-062-200	26.69	25.67	24.64	23.61
42	42-7270-C	QCGV-062-200 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7275	QCGV-062-300	26.69	25.67	24.64	23.61
42	42-7275-C	QCGV-062-300 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7280	QCGV-062-400	26.69	25.67	24.64	23.61
42	42-7280-C	QCGV-062-400 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7285	QCGV-062-500	26.69	25.67	24.64	23.61
42	42-7285-C	QCGV-062-500 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7290	QCGV-062-600	26.69	25.67	24.64	23.61
42	42-7290-C	QCGV-062-600 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-7295	QCGV-062-700	26.69	25.67	24.64	23.61
42	42-7295-C	QCGV-062-700 ALTIN COATED	29.15	28.13	27.10	26.08
42	42-8600	.017 X .040 SQUARE NOSE FACE GROOVER	26.69	25.67	24.64	23.61
42	42-8600-C	.017 X .040 SQUARE NOSE FACE GROOVER	29.12	27.95	26.83	25.76
42	42-8605	.025 X .065 SQUARE NOSE FACE GROOVER	26.69	25.67	24.64	23.61
42	42-8605-C	.025 X .065 SQUARE NOSE FACE GROOVER	29.12	27.95	26.83	25.76
42	42-8610	.032 X .080 SQUARE NOSE FACE GROOVER	26.69	25.67	24.64	23.61
42	42-8610-C	.032 X .080 SQUARE NOSE FACE GROOVER	29.12	27.95	26.83	25.76
42	42-8615	.063 X .150 SQUARE NOSE FACE GROOVER	26.69	25.67	24.64	23.61
42	42-8615-C	.063 X .150 SQUARE NOSE FACE GROOVER	29.12	27.95	26.83	25.76
42	42-8620	.094 X .200 SQUARE NOSE FACE GROOVER	26.69	25.67	24.64	23.61
42	42-8620-C	.094 X .200 SQUARE NOSE FACE GROOVER	29.12	27.95	26.83	25.76
42	42-8625	.125 X .200 SQUARE NOSE FACE GROOVER	26.69	25.67	24.64	23.61
42	42-8625-C	.125 X .200 SQUARE NOSE FACE GROOVER	29.12	27.95	26.83	25.76
42	42-8888	SCREW FOR QC HOLDER	2.25	2.03	1.89	1.81
42	42-8889	WRENCH FOR QC HOLDER	1.02	0.91	0.85	0.81
42	42-9000	42-375-187 3/8 X .187 QC HOLDER	73.55	71.34	69.20	67.12
42	42-9005	42-500-187 1/2 X .187 QC HOLDER	73.55	71.34	69.20	67.12
42	42-9010	42-625-187 5/8 X .187 QC HOLDER	73.55	71.34	69.20	67.12
42	42-9015	42-750-187 3/4 X .187 QC HOLDER	73.55	71.34	69.20	67.12
42	42-9020	42-22MM-187 22MM X .187 QC HOLDER	73.55	71.34	69.20	67.12

42	42-9500	42-375-187 3/8 X .187 QC COOLANT HOLDER	106.10	101.76	97.68	93.77
42	42-9505	42-500-187 1/2 X .187 QC COOLANT HOLDER	106.10	101.76	97.68	93.77
42	42-9510	42-625-187 5/8 X .187 QC COOLANT HOLDER	106.10	101.76	97.68	93.77
42	42-9515	42-750-187 3/4 X .187 QC COOLANT HOLDER	106.10	101.76	97.68	93.77
42	42-9520	42-22MM-187 22MM X .187 QC COOLANT HOLDER	106.10	101.76	97.68	93.77
42	42-9600	.017 X .040 FULL RADIUS FACE GROOVER	29.66	28.47	27.33	26.24
42	42-9600-C	.017 X .040 FULL RADIUS FACE GROOVER	32.08	30.79	29.56	28.37
42	42-9605	.025 X .065 FULL RADIUS FACE GROOVER	29.66	28.47	27.33	26.24
42	42-9605-C	.025 X .065 FULL RADIUS FACE GROOVER	32.08	30.79	29.56	28.37
42	42-9610	.032 X .080 FULL RADIUS FACE GROOVER	29.66	28.47	27.33	26.24
42	42-9610-C	.032 X .080 FULL RADIUS FACE GROOVER	32.08	30.79	29.56	28.37
42	42-9615	.063 X .150 FULL RADIUS FACE GROOVER	29.66	28.47	27.33	26.24
42	42-9615-C	.063 X .150 FULL RADIUS FACE GROOVER	32.08	30.79	29.56	28.37
42	42-9620	.094 X .200 FULL RADIUS FACE GROOVER	29.66	28.47	27.33	26.24
42	42-9620-C	.094 X .200 FULL RADIUS FACE GROOVER	32.08	30.79	29.56	28.37
42	42-9625	.125 X .200 FULL RADIUS FACE GROOVER	29.66	28.47	27.33	26.24
42	42-9625-C	.125 X .200 FULL RADIUS FACE GROOVER	32.08	30.79	29.56	28.37
43	43-2000	.115 X .500 IID CHAMFER TOOL	27.93	26.44	25.74	24.71
43	43-2000-C	.115 X .500 IID CHAMFER TOOL	29.46	27.97	27.27	26.33
43	43-2005	.115 X .750 ID CHAMFER TOOL	27.94	26.43	25.74	24.71
43	43-2005-C	.115 X .750 ID CHAMFER TOOL	29.46	27.97	27.27	26.33
43	43-2010	.175 X .750 ID CHAMFER TOOL	29.94	28.78	27.62	26.48
43	43-2010-C	.175 X .750 ID CHAMFER TOOL	32.17	31.00	29.85	28.70
43	43-2015	.175 X 1.00 ID CHAMFER TOOL	29.94	28.78	27.62	26.48
43	43-2015-C	.175 X 1.00 ID CHAMFER TOOL	32.17	31.00	29.85	28.70
43	43-2020	.240 X .750 ID CHAMFER TOOL	30.48	29.30	28.13	26.87
43	43-2020-C	.240 X .750 ID CHAMFER TOOL	33.57	32.39	31.22	29.95
43	43-2025	.240 X 1.250 ID CHAMFER TOOL	30.48	29.30	28.13	26.87
43	43-2025-C	.240 X 1.250 ID CHAMFER TOOL	33.57	32.39	31.22	29.95
43	43-2030	.300 X .750 ID CHAMFER TOOL	33.71	32.36	31.06	29.82
43	43-2030-C	.300 X .750 ID CHAMFER TOOL	38.16	36.81	35.51	34.26
43	43-2035	.300 X 1.250 ID CHAMFER TOOL	33.71	32.36	31.06	29.82
43	43-2035-C	.300 X 1.250 ID CHAMFER TOOL	38.16	36.81	35.51	34.26
43	43-2040	.360 X .750 ID CHAMFER TOOL	44.67	42.89	41.17	39.52
43	43-2040-C	.360 X .750 ID CHAMFER TOOL	49.11	47.33	45.60	43.96
43	43-2045	.360 X 1.250 ID CHAMFER TOOL	44.67	42.89	41.17	39.52
43	43-2045-C	.360 X 1.250 ID CHAMFER TOOL	49.11	47.33	45.60	43.96
43	43-2050	.490 X 1.000 ID CHAMFER TOOL	66.49	63.83	61.27	58.82

43	43-2050-C	.490 X 1.000 ID CHAMFER TOOL	73.50	70.83	68.29	65.83
43	43-2055	.490 X 1.500 ID CHAMFER TOOL	66.49	63.83	61.27	58.82
43	43-2055-C	.490 X 1.500 ID CHAMFER TOOL	73.50	70.83	68.29	65.83
45	45-1100	3/16 X .500 REACH BACK-DRAFT CUTTER	55.05	52.93	50.81	48.70
45	45-1100-C	3/16 X .500 REACH BACK-DRAFT CUTTER	57.28	55.16	53.04	50.93
45	45-1105	3/16 X .750 REACH BACK-DRAFT CUTTER	55.05	52.93	50.81	48.70
45	45-1105-C	3/16 X .750 REACH BACK-DRAFT CUTTER	57.28	55.16	53.04	50.93
45	45-1110	3/16 X 1.00 REACH BACK-DRAFT CUTTER	55.05	52.93	50.81	48.70
45	45-1110-C	3/16 X 1.00 REACH BACK-DRAFT CUTTER	57.28	55.16	53.04	50.93
45	45-1115	1/4 X .625 REACH BACK-DRAFT CUTTER	58.61	56.35	54.10	51.84
45	45-1115-C	1/4 X .625 REACH BACK-DRAFT CUTTER	61.70	59.44	57.19	54.93
45	45-1120	1/4 X .750 REACH BACK-DRAFT CUTTER	58.61	56.35	54.10	51.84
45	45-1120-C	1/4 X .750 REACH BACK-DRAFT CUTTER	61.70	59.44	57.19	54.93
45	45-1125	1/4 X 1.00 REACH BACK-DRAFT CUTTER	58.61	56.35	54.10	51.84
45	45-1125-C	1/4 X 1.00 REACH BACK-DRAFT CUTTER	61.70	59.44	57.19	54.93
45	45-1130	3/8 X .625 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-1130-C	3/8 X .625 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-1135	3/8 X .750 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-1135-C	3/8 X .750 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-1140	3/8 X 1.00 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-1140-C	3/8 X 1.00 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-1145	1/2 X .625 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-1145-C	1/2 X .625 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-1150	1/2 X .750 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-1150-C	1/2 X .750 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-1155	1/2 X 1.00 REACH BACK-DRAFT CUTTER	77.50	74.59	71.53	68.55
45	45-1155-C	1/2 X 1.00 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3100	3/16 X .031 RADIUS X .500 REACH BACK-DRAFT CUTTER	55.05	52.93	50.81	48.70
45	45-3100-C	3/16 X .031 RADIUS X .500 REACH BACK-DRAFT CUTTER	57.28	55.16	53.04	50.93
45	45-3105	3/16 X .031 RADIUS X .750 REACH BACK-DRAFT CUTTER	55.05	52.93	50.81	48.70
45	45-3105-C	3/16 X .031 RADIUS X .750 REACH BACK-DRAFT CUTTER	57.28	55.16	53.04	50.93
45	45-3110	3/16 X .031 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	55.05	52.93	50.81	48.70
45	45-3110-C	3/16 X .031 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	57.28	55.16	53.04	50.93
45	45-3115	3/16 X .0625 RADIUS X .500 REACH BACK-DRAFT CUTTER	55.05	52.93	50.81	48.70
45	45-3115-C	3/16 X .0625 RADIUS X .500 REACH BACK-DRAFT CUTTER	57.28	55.16	53.04	50.93
45	45-3120	3/16 X .0625 RADIUS X .750 REACH BACK-DRAFT CUTTER	55.05	52.93	50.81	48.70
45	45-3120-C	3/16 X .0625 RADIUS X .750 REACH BACK-DRAFT CUTTER	57.28	55.16	53.04	50.93
45	45-3125	3/16 X .0625 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	55.05	52.93	50.81	48.70

45	45-3125-C	3/16 X .0625 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	57.28	55.16	53.04	50.93
45	45-3130	1/4 X .031 RADIUS X .625 REACH BACK-DRAFT CUTTER	58.61	56.35	54.10	51.84
45	45-3130-C	1/4 X .031 RADIUS X .625 REACH BACK-DRAFT CUTTER	61.70	59.44	57.19	54.93
45	45-3135	1/4 X .031 RADIUS X .750 REACH BACK-DRAFT CUTTER	58.61	56.35	54.10	51.84
45	45-3135-C	1/4 X .031 RADIUS X .750 REACH BACK-DRAFT CUTTER	61.70	59.44	57.19	54.93
45	45-3140	1/4 X .031 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	58.61	56.35	54.10	51.84
45	45-3140-C	1/4 X .031 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	61.70	59.44	57.19	54.93
45	45-3145	1/4 X .0625 RADIUS X .625 REACH BACK-DRAFT CUTTER	58.61	56.35	54.10	51.84
45	45-3145-C	1/4 X .0625 RADIUS X .625 REACH BACK-DRAFT CUTTER	61.70	59.44	57.19	54.93
45	45-3150	1/4 X .0625 RADIUS X .750 REACH BACK-DRAFT CUTTER	58.61	56.35	54.10	51.84
45	45-3150-C	1/4 X .0625 RADIUS X .750 REACH BACK-DRAFT CUTTER	61.70	59.44	57.19	54.93
45	45-3155	1/4 X .0625 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	58.61	56.35	54.10	51.84
45	45-3155-C	1/4 X .0625 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	61.70	59.44	57.19	54.93
45	45-3160	3/8 X .031 RADIUS X .750 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-3160-C	3/8 X .031 RADIUS X .750 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-3165	3/8 X .031 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-3165-C	3/8 X .031 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-3170	3/8: X .031 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-3170-C	3/8: X .031 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-3175	3/8 X .0625 RADIUS X .750 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-3175-C	3/8 X .0625 RADIUS X .750 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-3180	3/8 X .0625 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-3180-C	3/8 X .0625 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-3185	3/8 X .0625 X 1.250 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-3185-C	3/8 X .0625 X 1.250 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-3190	3/8 X .094 RADIUS X .750 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-3190-C	3/8 X .094 RADIUS X .750 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-3195	3/8 X .094 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-3195-C	3/8 X .094 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-3200	3/8 X .094 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	63.07	60.65	58.21	55.79
45	45-3200-C	3/8 X .094 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	67.51	65.08	62.65	60.23
45	45-3205	1/2 X .031 RADIUS X .750 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-3205-C	1/2 X .031 RADIUS X .750 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3210	1/2 X .031 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-3210-C	1/2 X .031 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3215	1/2 X .031 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-3215-C	1/2 X .031 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3220	1/2 X .0625 RADIUS X .750 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55

45	45-3220-C	1/2 X .0625 RADIUS X .750 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3225	1/2 X .0625 RADIUS X 1.00 REACH BACK DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-3225-C	1/2 X .0625 RADIUS X 1.00 REACH BACK DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3230	1/2 X .0625 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-3230-C	1/2 X .0625 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3235	1/2 X .094 RADIUS X .750 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-3235-C	1/2 X .094 RADIUS X .750 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3240	1/2 X .094 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-3240-C	1/2 X .094 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3245	1/2 X .094 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-3245-C	1/2 X .094 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3250	1/2 X .125 RADIUS X .750 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-3250-C	1/2 X .125 RADIUS X .750 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3255	1/2 X .125 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-3255-C	1/2 X .125 RADIUS X 1.00 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
45	45-3260	1/2 X .125 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	77.50	74.51	71.53	68.55
45	45-3260-C	1/2 X .125 RADIUS X 1.250 REACH BACK-DRAFT CUTTER	84.51	81.53	78.54	75.57
46	46-1100	TR-125-300 .125 DIA THREAD RELIEF TOOL	25.09	24.13	23.17	22.21
46	46-1100-C	TR-125-300 .125 DIA THREAD RELIEF TOOL	26.68	25.72	24.76	23.80
46	46-1105	TR-125-400 .125 DIA THREAD RELIEF TOOL	25.09	24.13	23.17	22.21
46	46-1105-C	TR-125-400 .125 DIA THREAD RELIEF TOOL	26.68	25.72	24.76	23.80
46	46-1110	TR-187-400 .187 DIA THREAD RELIEF TOOL	27.68	26.61	25.55	24.48
46	46-1110-C	TR-187-400 .187 DIA THREAD RELIEF TOOL	29.30	28.23	27.17	26.10
46	46-1115	TR-187-800 .187 DIA THREAD RELIEF TOOL	27.68	26.61	25.55	24.48
46	46-1115-C	TR-187-800 .187 DIA THREAD RELIEF TOOL	29.30	28.23	27.17	26.10
46	46-1120	TR-250-500 .250 DIA THREAD RELIEF TOOL	34.83	33.49	32.15	30.80
46	46-1120-C	TR-250-500 .250 DIA THREAD RELIEF TOOL	38.04	36.70	35.36	34.02
46	46-1125	TR-250-1000 .250 DIA THREAD RELIEF TOOL	34.83	33.49	32.15	30.80
46	46-1125-C	TR-250-1000 .250 DIA THREAD RELIEF TOOL	38.04	36.70	35.36	34.02
46	46-1130	TR-312-750 .312 DIA THREAD RELIEF TOOL	41.01	39.44	37.87	36.29
46	46-1130-C	TR-312-750 .312 DIA THREAD RELIEF TOOL	45.63	44.05	42.49	40.91
46	46-1135	TR-312-1250 .312 DIA THREAD RELIEF TOOL	41.01	39.44	37.87	36.29
46	46-1135-C	TR-312-1250 .312 DIA THREAD RELIEF TOOL	45.63	44.05	42.49	40.91
46	46-1140	TR-375-750 .375 DIA THREAD RELIEF TOOL	55.23	53.11	50.99	48.86
46	46-1140-C	TR-375-750 .375 DIA THREAD RELIEF TOOL	59.84	57.72	55.61	53.47
46	46-1145	TR-375-1250 .375 DIA THREAD RELIEF TOOL	55.23	53.11	50.99	48.86
46	46-1145-C	TR-375-1250 .375 DIA THREAD RELIEF TOOL	59.84	57.72	55.61	53.47
46	46-1150	TR-500-1000 .500 DIA THREAD RELIEF TOOL	99.34	95.53	91.71	87.88

46	46-1150-C	TR-500-1000 .500 DIA THREAD RELIEF TOOL	106.63	102.82	99.00	95.17
46	46-1155	TR-500-1500 .500 DIA THREAD RELIEF TOOL	99.34	95.53	91.71	87.88
46	46-1155-C	TR-500-1500 .500 DIA THREAD RELIEF TOOL	106.63	102.82	99.00	95.17
48	48-1100	BG-240-500 .240 MIN BORE BORE & GROOVE TOOL	48.83	46.95	45.08	43.20
48	48-1105	BG-240-750 .240 MIN BORE BORE & GROOVE TOOL	48.83	46.95	45.08	43.20
48	48-1110	BG-240-1000 .240 MIN BORE BORE & GROOVE TOOL	48.83	46.95	45.08	43.20
48	48-1115	BG-310-500 .310 MIN BORE BORE & GROOVE TOOL	64.63	62.14	59.65	57.16
48	48-1120	BG-310-750 .310 MIN BORE BORE & GROOVE TOOL	64.63	62.14	59.65	57.16
48	48-1125	BG-310-1000 .310 MIN BORE BORE & GROOVE TOOL	64.63	62.14	59.65	57.16
48	48-1130	BG-360-500 .360 MIN BORE BORE & GROOVE TOOL	80.18	77.10	74.01	70.93
48	48-1135	BG-360-750 .360 MIN BORE BORE & GROOVE TOOL	80.18	77.10	74.01	70.93
48	48-1140	BG-360-1000 .360 MIN BORE BORE & GROOVE TOOL	80.18	77.10	74.01	70.93
49	49-1000	DM4-125-120 DRILL MILL	15.25	14.67	14.08	13.50
49	49-1000-C	DM4-125-120 DRILL MILL	16.62	16.04	15.45	14.86
49	49-1005	DM4-125-90 DRILL MILL	15.25	14.67	14.08	13.50
49	49-1005-C	DM4-125-90 DRILL MILL	16.66	16.07	15.48	14.89
49	49-1010	DM4-125-82 DRILL MILL	15.25	14.67	14.08	13.50
49	49-1010-C	DM4-125-82 DRILL MILL	16.62	16.04	15.45	14.86
49	49-1015	DM4-125-60 DRILL MILL	15.25	14.67	14.08	13.50
49	49-1015-C	DM4-125-60 DRILL MILL	16.62	16.04	15.45	14.86
49	49-1050	DM4-187-120 DRILL MILL	15.58	14.97	14.37	13.78
49	49-1050-C	DM4-187-120 DRILL MILL	18.11	17.51	16.92	16.31
49	49-1055	DM4-187-90 DRILL MILL	15.58	14.97	14.37	13.78
49	49-1055-C	DM4-187-90 DRILL MILL	18.11	17.51	16.92	16.31
49	49-1060	DM4-187-82 DRILL MILL	15.58	14.97	14.37	13.78
49	49-1060-C	DM4-187-82 DRILL MILL	18.11	17.51	16.92	16.31
49	49-1065	DM4-187-60 DRILL MILL	15.58	14.97	14.37	13.78
49	49-1065-C	DM4-187-60 DRILL MILL	18.11	17.51	16.92	16.31
49	49-1100	DM4-218-120 DRILL MILL	19.54	18.79	18.04	17.28
49	49-1100-C	DM4-218-120 DRILL MILL	23.42	22.66	21.91	21.17
49	49-1105	DM4-218-90 DRILL MILL	19.54	18.79	18.04	17.28
49	49-1105-C	DM4-218-90 DRILL MILL	23.42	22.66	21.91	21.17
49	49-1110	DM4-218-82 DRILL MILL	19.54	18.79	18.04	17.28
49	49-1110-C	DM4-218-82 DRILL MILL	23.42	22.66	21.91	21.17
49	49-1115	DM4-218-60 DRILL MILL	19.54	18.79	18.04	17.28
49	49-1115-C	DM4-218-60 DRILL MILL	23.42	22.66	21.91	21.17
49	49-1150	DM4-250-120 DRILL MILL	19.54	18.79	18.04	17.28
49	49-1150-C	DM4-250-120 DRILL MILL	23.42	22.66	21.91	21.17

49	49-1155	DM4-250-90 DRILL MILL	19.54	18.79	18.04	17.28
49	49-1155-C	DM4-250-90 DRILL MILL	23.42	22.66	21.91	21.17
49	49-1160	DM4-250-82 DRILL MILL	19.54	18.79	18.04	17.28
49	49-1160-C	DM4-250-82 DRILL MILL	23.42	22.66	21.91	21.17
49	49-1165	DM4-250-60 DRILL MILL	19.54	18.79	18.04	17.28
49	49-1165-C	DM4-250-60 DRILL MILL	23.42	22.66	21.91	21.17
49	49-1200	DM4-281-120 DRILL MILL	23.85	22.93	22.02	21.10
49	49-1200-C	DM4-281-120 DRILL MILL	28.88	27.95	27.04	26.12
49	49-1205	DM4-281-90 DRILL MILL	23.85	22.93	22.02	21.17
49	49-1205-C	DM4-281-90 DRILL MILL	28.88	27.95	27.04	26.12
49	49-1210	DM4-281-82 DRILL MILL	23.85	22.93	22.02	21.10
49	49-1210-C	DM4-281-82 DRILL MILL	28.88	27.95	27.04	26.12
49	49-1215	DM4-281-60 DRILL MILL	23.85	22.93	22.02	21.10
49	49-1215-C	DM4-281-60 DRILL MILL	28.88	27.95	27.04	26.12
49	49-1250	DM4-312-120 DRILL MILL	23.85	22.93	22.02	21.10
49	49-1250-C	DM4-312-120 DRILL MILL	28.88	27.95	27.04	26.12
49	49-1255	DM4-312-90 DRILL MILL	23.85	22.93	22.02	21.10
49	49-1255-C	DM4-312-90 DRILL MILL	28.88	27.95	27.04	26.12
49	49-1260	DM4-312-82 DRILL MILL	23.85	22.93	22.02	21.10
49	49-1260-C	DM4-312-82 DRILL MILL	28.88	27.95	27.04	26.12
49	49-1265	DM4-312-60 DRILL MILL	23.85	22.93	22.02	21.10
49	49-1265-C	DM4-312-60 DRILL MILL	28.88	27.95	27.04	26.12
49	49-1300	DM4-343-120 DRILL MILL	29.67	28.53	27.39	26.25
49	49-1300-C	DM4-343-120 DRILL MILL	35.87	34.72	33.58	32.36
49	49-1305	DM4-343-90 DRILL MILL	29.67	28.53	27.39	26.25
49	49-1305-C	DM4-343-90 DRILL MILL	35.87	34.72	33.58	32.36
49	49-1310	DM4-343-82 DRILL MILL	29.67	28.53	27.39	26.25
49	49-1310-C	DM4-343-82 DRILL MILL	35.87	34.72	33.58	32.36
49	49-1315	DM4-343-60 DRILL MILL	29.67	28.53	27.39	26.25
49	49-1315-C	DM4-343-60 DRILL MILL	35.87	34.72	33.58	32.36
49	49-1350	DM4-375-120 DRILL MILL	29.67	28.53	27.39	26.25
49	49-1350-C	DM4-375-120 DRILL MILL	35.87	34.72	33.58	32.36
49	49-1355	DM4-375-90 DRILL MILL	29.67	28.53	27.39	26.25
49	49-1355-C	DM4-375-90 DRILL MILL	35.87	34.72	33.58	32.36
49	49-1360	DM4-375-82 DRILL MILL	29.67	28.53	27.39	26.25
49	49-1360-C	DM4-375-82 DRILL MILL	35.87	34.72	33.58	32.36
49	49-1365	DM4-375-60 DRILL MILL	29.67	28.53	27.39	26.25
49	49-1365-C	DM4-375-60 DRILL MILL	35.87	34.72	33.58	32.36

49	49-1400	DM4-406-120 DRILL MILL	40.22	38.68	37.13	35.58
49	49-1400-C	DM4-406-120 DRILL MILL	48.16	46.62	45.03	43.52
49	49-1405	DM4-406-90 DRILL MILL	40.22	38.68	37.13	35.58
49	49-1405-C	DM4-406-90 DRILL MILL	48.16	46.62	45.03	43.52
49	49-1410	DM4-406-82 DRILL MILL	40.22	38.68	37.13	35.58
49	49-1410-C	DM4-406-82 DRILL MILL	48.16	46.62	45.03	43.52
49	49-1415	DM4-406-60 DRILL MILL	40.22	38.68	37.13	35.58
49	49-1415-C	DM4-406-60 DRILL MILL	48.16	46.62	45.03	43.52
49	49-1450	DM4-437-120 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1450-C	DM4-437-120 DRILL MILL	58.75	56.83	54.91	52.99
49	49-1455	DM4-437-90 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1455-C	DM4-437-90 DRILL MILL	58.75	56.83	54.91	52.99
49	49-1460	DM4-437-82 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1460-C	DM4-437-82 DRILL MILL	58.75	56.83	54.91	52.99
49	49-1465	DM4-437-60 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1465-C	DM4-437-60 DRILL MILL	58.75	56.83	54.91	52.99
49	49-1500	DM4-468-120 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1500-C	DM4-468-120 DRILL MILL	58.75	56.83	54.91	52.99
49	49-1505	DM4-468-90 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1505-C	DM4-468-90 DRILL MILL	58.75	56.83	54.91	52.99
49	49-1510	DM4-468-82 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1510-C	DM4-468-82 DRILL MILL	58.75	56.83	54.91	52.99
49	49-1515	DM4-468-60 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1515-C	DM4-468-60 DRILL MILL	58.75	56.83	54.91	52.99
49	49-1550	DM4-500-120 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1550-C	DM4-500-120 DRILL MILL	58.75	56.83	54.91	52.99
49	49-1555	DM4-500-90 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1555-C	DM4-500-90 DRILL MILL	58.75	56.83	54.91	52.99
49	49-1560	DM4-500-82 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1560-C	DM4-500-82 DRILL MILL	58.75	56.83	54.91	52.99
49	49-1565	DM4-500-60 DRILL MILL	50.02	48.10	46.17	44.25
49	49-1565-C	DM4-500-60 DRILL MILL	58.75	56.83	54.91	52.99
49	49-2000	DM2-125-120 DRILL MILL	15.25	14.67	14.08	13.50
49	49-2000-C	DM2-125-120 DRILL MILL	16.62	16.04	15.45	14.86
49	49-2005	DM2-125-90 DRILL MILL	15.25	14.67	14.08	13.50
49	49-2005-C	DM2-125-90 DRILL MILL	16.62	16.04	15.45	14.86
49	49-2010	DM2-125-82 DRILL MILL	15.25	14.67	14.08	13.50
49	49-2010-C	DM2-125-82 DRILL MILL	16.62	16.04	15.45	14.86

49	49-2015	DM2-125-60 DRILL MILL	15.25	14.67	14.08	13.50
49	49-2015-C	DM2-125-60 DRILL MILL	16.62	16.04	15.45	14.86
49	49-2050	DM2-187-120 DRILL MILL	15.58	14.97	14.37	13.78
49	49-2050-C	DM2-187-120 DRILL MILL	18.11	17.51	16.92	16.31
49	49-2055	DM2-187-90 DRILL MILL	15.58	14.97	14.37	13.78
49	49-2055-C	DM2-187-90 DRILL MILL	18.11	17.51	16.92	16.31
49	49-2060	DM2-187-82 DRILL MILL	15.58	14.97	14.37	13.78
49	49-2060-C	DM2-187-82 DRILL MILL	18.11	17.51	16.92	16.31
49	49-2065	DM2-187-60 DRILL MILL	15.58	14.97	14.37	13.78
49	49-2065-C	DM2-187-60 DRILL MILL	18.11	17.51	16.92	16.31
49	49-2100	DM2-218-120 DRILL MILL	19.54	18.79	18.04	17.28
49	49-2100-C	DM2-218-120 DRILL MILL	23.42	22.66	21.91	21.17
49	49-2105	DM2-218-90 DRILL MILL	19.54	18.79	18.04	17.28
49	49-2105-C	DM2-218-90 DRILL MILL	23.42	22.66	21.91	21.17
49	49-2110	DM2-218-82 DRILL MILL	19.54	18.79	18.04	17.28
49	49-2110-C	DM2-218-82 DRILL MILL	23.42	22.66	21.91	21.17
49	49-2115	DM2-218-60 DRILL MILL	19.54	18.79	18.04	17.28
49	49-2115-C	DM2-218-60 DRILL MILL	23.42	22.66	21.91	21.17
49	49-2150	DM2-250-120 DRILL MILL	19.54	18.79	18.04	17.28
49	49-2150-C	DM2-250-120 DRILL MILL	23.42	22.66	21.91	21.17
49	49-2155	DM2-250-90 DRILL MILL	19.54	18.79	18.04	17.28
49	49-2155-C	DM2-250-90 DRILL MILL	23.42	22.66	21.91	21.17
49	49-2160	DM2-250-82 DRILL MILL	19.54	18.79	18.04	17.28
49	49-2160-C	DM2-250-82 DRILL MILL	23.42	22.66	21.91	21.17
49	49-2165	DM2-250-60 DRILL MILL	19.54	18.79	18.04	17.28
49	49-2165-C	DM2-250-60 DRILL MILL	23.42	22.66	21.91	21.17
49	49-2200	DM2-281-120 DRILL MILL	23.85	22.93	22.02	21.10
49	49-2200-C	DM2-281-120 DRILL MILL	28.88	27.95	27.04	26.12
49	49-2205	DM2-281-90 DRILL MILL	23.85	22.93	22.02	21.10
49	49-2205-C	DM2-281-90 DRILL MILL	28.88	27.95	27.04	26.12
49	49-2210	DM2-281-82 DRILL MILL	23.85	22.93	22.02	21.10
49	49-2210-C	DM2-281-82 DRILL MILL	28.88	27.95	27.04	26.12
49	49-2215	DM2-281-60 DRILL MILL	23.85	22.93	22.02	21.10
49	49-2215-C	DM2-281-60 DRILL MILL	28.88	27.95	27.04	26.12
49	49-2250	DM2-312-120 DRILL MILL	23.85	22.93	22.02	21.10
49	49-2250-C	DM2-312-120 DRILL MILL	28.88	27.95	27.04	26.12
49	49-2255	DM2-312-90 DRILL MILL	23.85	22.93	22.02	21.10
49	49-2255-C	DM2-312-90 DRILL MILL	28.88	27.95	27.04	26.12

49	49-2260	DM2-312-82 DRILL MILL	23.85	22.93	22.02	21.10
49	49-2260-C	DM2-312-82 DRILL MILL	28.88	27.95	27.04	26.12
49	49-2265	DM2-312-60 DRILL MILL	23.85	22.93	22.02	21.10
49	49-2265-C	DM2-312-60 DRILL MILL	28.88	27.95	27.04	26.12
49	49-2300	DM2-343-120 DRILL MILL	29.67	28.53	27.39	26.25
49	49-2300-C	DM2-343-120 DRILL MILL	35.87	34.72	33.58	32.36
49	49-2305	DM2-343-90 DRILL MILL	29.67	28.53	27.42	26.25
49	49-2305-C	DM2-343-90 DRILL MILL	35.87	34.72	33.58	32.36
49	49-2310	DM2-343-82 DRILL MILL	29.67	28.53	27.42	26.25
49	49-2310-C	DM2-343-82 DRILL MILL	35.87	34.72	33.58	32.36
49	49-2315	DM2-343-60 DRILL MILL	29.67	28.53	27.42	26.25
49	49-2315-C	DM2-343-60 DRILL MILL	35.87	34.72	33.58	32.37
49	49-2350	DM2-375-120 DRILL MILL	29.67	28.53	27.39	26.25
49	49-2350-C	DM2-375-120 DRILL MILL	35.87	34.72	33.58	32.36
49	49-2355	DM2-375-90 DRILL MILL	29.67	28.53	27.42	26.25
49	49-2355-C	DM2-375-90 DRILL MILL	35.87	34.72	33.58	32.36
49	49-2360	DM2-375-82 DRILL MILL	29.67	28.53	27.39	26.25
49	49-2360-C	DM2-375-82 DRILL MILL	35.87	34.72	33.58	32.36
49	49-2365	DM2-375-60 DRILL MILL	29.67	28.53	27.39	26.25
49	49-2365-C	DM2-375-60 DRILL MILL	35.87	34.72	33.58	32.36
49	49-2400	DM2-406-120 DRILL MILL	40.22	38.68	37.13	35.58
49	49-2400-C	DM2-406-120 DRILL MILL	48.16	46.62	45.03	43.52
49	49-2405	DM2-406-90 DRILL MILL	40.22	38.68	37.13	35.58
49	49-2405-C	DM2-406-90 DRILL MILL	48.16	46.62	45.03	43.52
49	49-2410	DM2-406-82 DRILL MILL	40.22	38.68	37.13	35.58
49	49-2410-C	DM2-406-82 DRILL MILL	48.16	46.62	45.03	43.52
49	49-2415	DM2-406-60 DRILL MILL	40.22	38.68	37.13	35.58
49	49-2415-C	DM2-406-60 DRILL MILL	48.16	46.62	45.03	43.52
49	49-2450	DM2-437-120 DRILL MILL	40.22	38.68	37.13	35.58
49	49-2450-C	DM2-437-120 DRILL MILL	48.16	46.62	45.03	43.52
49	49-2455	DM2-437-90 DRILL MILL	40.22	38.68	37.13	35.58
49	49-2455-C	DM2-437-90 DRILL MILL	48.16	46.62	45.03	43.52
49	49-2460	DM2-437-82 DRILL MILL	40.22	38.68	37.13	35.58
49	49-2460-C	DM2-437-82 DRILL MILL	48.16	46.62	45.03	43.52
49	49-2465	DM2-437-60 DRILL MILL	40.22	38.68	37.13	35.58
49	49-2465-C	DM2-437-60 DRILL MILL	48.16	46.62	45.03	43.52
49	49-2500	DM2-468-120 DRILL MILL	50.02	48.10	46.17	44.25
49	49-2500-C	DM2-468-120 DRILL MILL	58.75	56.94	54.91	52.99

49	49-2505	DM2-468-90 DRILL MILL	50.02	48.10	46.17	44.25
49	49-2505-C	DM2-468-90 DRILL MILL	58.75	56.50	54.91	52.99
49	49-2510	DM2-468-82 DRILL MILL	50.02	48.10	46.17	44.25
49	49-2510-C	DM2-468-82 DRILL MILL	58.75	56.83	54.91	52.99
49	49-2515	DM2-468-60 DRILL MILL	50.02	48.10	46.17	44.25
49	49-2515-C	DM2-468-60 DRILL MILL	58.75	56.83	54.91	52.99
49	49-2550	DM2-500-120 DRILL MILL	50.02	48.10	46.17	44.25
49	49-2550-C	DM2-500-120 DRILL MILL	58.75	56.83	54.91	52.99
49	49-2555	DM2-500-90 DRILL MILL	50.02	48.10	46.17	44.25
49	49-2555-C	DM2-500-90 DRILL MILL	58.75	56.83	54.91	52.99
49	49-2560	DM2-500-82 DRILL MILL	50.02	48.10	46.17	44.25
49	49-2560-C	DM2-500-82 DRILL MILL	58.75	56.83	54.91	44.25
49	49-2565	DM2-500-60 DRILL MILL	50.02	48.10	46.17	44.25
49	49-2565-C	DM2-500-60 DRILL MILL	58.75	56.83	54.91	52.99
50	50-1100	CM-240-500 .240 MIN BORE BORE & THREAD TOOL	56.10	53.94	51.79	49.62
50	50-1105	CM-240-750 .240 MIN BORE BORE & THREAD TOOL	56.10	53.94	51.79	49.62
50	50-1110	CM-240-1000 .240 MIN BORE BORE & THREAD TOOL	56.10	53.94	51.79	49.62
50	50-1115	CM-310-500 .310 MIN BORE BORE & THREAD TOOL	74.13	71.28	68.43	65.58
50	50-1120	CM-310-750 .310 MIN BORE BORE & THREAD TOOL	74.13	71.28	68.43	65.58
50	50-1125	CM-310-1000 .310 MIN BORE BORE & THREAD TOOL	74.13	71.28	68.43	65.58
50	50-1130	CM-360-500 .360 MIN BORE BORE & THREAD TOOL	93.53	89.94	86.33	82.73
50	50-1135	CM-360-750 .360 MIN BORE BORE & THREAD TOOL	93.53	89.94	86.33	82.73
50	50-1140	CM-360-1000 .360 MIN BORE BORE & THREAD TOOL	93.53	89.94	86.33	82.73
51	51-2000	1.78 MM O-RING DOVETAIL CUTTER	69.04	66.39	63.73	61.08
51	51-2010	2.62 MM O-RING DOVETAIL CUTTER	69.04	66.39	63.73	61.08
51	51-2020	3.53 MM O-RING DOVETAIL CUTTER	71.65	68.89	66.13	61.08
51	51-2030	5.33 MM O-RING DOVETAIL CUTTER	78.16	75.15	72.14	69.14
51	51-2040	6.99 MM O-RING DOVETAIL CUTTER	88.46	85.06	81.66	78.25
51	51-8000	OR-070-187 .070 O-RING DOVETAIL CUTTER	69.04	66.39	63.73	61.08
51	51-8005	OR-093-187 .093 O-RING DOVETAIL CUTTER	69.04	66.39	63.73	61.08
51	51-8010	OR-103-187 .103 O-RING DOVETAIL CUTTER	69.04	66.39	63.73	61.08
51	51-8015	OR-125-250 .125 O-RING DOVETAIL CUTTER	71.65	68.89	66.13	63.38
51	51-8020	OR-139-250 .139 O-RING DOVETAIL CUTTER	71.65	68.89	66.13	61.08
51	51-8025	OR-187-312 .187 O-RING DOVETAIL CUTTER	78.16	75.15	72.14	69.14
51	51-8030	OR-210-312 .210 O-RING DOVETAIL CUTTER	78.16	75.15	72.14	69.14
51	51-8035	OR-250-375 .210 O-RING DOVETAIL CUTTER	88.46	85.06	81.66	78.25
51	51-8040	OR-275-375 .275 O-RING DOVETAIL CUTTER	88.46	85.06	81.66	78.25
51	51-8045	OR-375-500 .275 O-RING DOVETAIL CUTTER	88.46	85.06	81.66	78.25

52	52-1100	TG-240-500 .240 MIN BORE THREAD & GROOVE TOOL	62.79	60.37	57.95	55.54
52	52-1105	TG-240-750 .240 MIN BORE THREAD & GROOVE TOOL	62.79	60.37	57.95	55.54
52	52-1110	TG-240-1000 .240 MIN BORE THREAD & GROOVE TOOL	62.79	60.37	57.95	55.54
52	52-1115	TG-310-500 .310 THREAD & GROOVE TOOL	78.58	75.55	72.53	69.51
52	52-1120	TG-310-750 .310 THREAD & GROOVE TOOL	78.58	75.55	72.53	69.51
52	52-1125	TG-310-1000 .310 THREAD & GROOVE TOOL	78.58	75.55	72.53	69.51
52	52-1130	TG-360-500 .360 THREAD & GROOVE TOOL	96.32	92.62	88.91	85.21
52	52-1135	TG-360-750 .360 THREAD & GROOVE TOOL	96.32	92.62	88.91	85.21
52	52-1140	TG-360-1000 .360 THREAD & GROOVE TOOL	96.32	92.62	88.91	85.21
53	53-4000	.070 ORING DOVETAIL GROOVER	54.11	51.94	50.07	47.87
53	53-4000-C	.070 ORING DOVETAIL GROOVER	55.70	53.53	51.66	49.46
53	53-4005	.093 ORING DOVETAIL GROOVER	54.11	51.94	50.07	47.87
53	53-4005-C	.093 ORING DOVETAIL GROOVER	55.70	53.53	51.66	49.46
53	53-4010	.103 ORING DOVETAIL GROOVER	54.11	51.94	50.07	47.87
53	53-4010-C	.103 ORING DOVETAIL GROOVER	55.64	53.47	51.59	49.40
53	53-4015	.125 ORING DOVETAIL GROOVER	56.19	53.93	51.78	49.70
53	53-4015-C	.125 ORING DOVETAIL GROOVER	58.42	56.08	53.84	51.69
53	53-4020	.139 ORING DOVETAIL GROOVER	56.19	53.93	51.78	49.70
53	53-4020-C	.139 ORING DOVETAIL GROOVER	58.42	56.15	54.00	51.93
53	53-4025	.187 ORING DOVETAIL GROOVER	58.20	55.86	53.63	51.48
53	53-4025-C	.187 ORING DOVETAIL GROOVER	61.41	59.08	56.84	54.70
53	53-4030	.210 ORING DOVETAIL GROOVER	58.20	55.86	53.63	51.48
53	53-4030-C	.210 ORING DOVETAIL GROOVER	61.41	59.08	56.84	54.70
53	53-4035	.250 ORING DOVETAIL GROOVER	58.20	55.86	53.63	51.48
53	53-4035-C	.250 ORING DOVETAIL GROOVER	61.01	58.96	56.71	54.57
53	53-4040	.275 ORING DOVETAIL GROOVER	62.03	59.54	57.15	54.87
53	53-4040-C	.275 ORING DOVETAIL GROOVER	66.47	63.98	61.59	59.31
53	53-4045	.375 ORING DOVETAIL GROOVER	62.03	59.54	57.15	54.87
53	53-4045-C	.375 ORING DOVETAIL GROOVER	66.47	63.98	61.59	59.31
54	54-1100	DB-240-500 DOUBLE EDGE BORING TOOL	41.25	39.66	38.07	36.49
54	54-1105	DB-240-750 DOUBLE EDGE BORING TOOL	41.25	39.66	38.07	36.49
54	54-1110	DB-240-1000 DOUBLE EDGE BORING TOOL	41.25	39.66	38.07	36.49
54	54-1110-C	DB-240-1000 DOUBLE EDGE BORING TOOL w/ ALTIN	44.35	42.75	41.16	39.58
54	54-1115	DB-310-500 DOUBLE EDGE BORING TOOL	56.54	54.36	52.19	50.01
54	54-1115-C	DB-310-500 DOUBLE EDGE BORING TOOL	61.15	58.98	56.81	54.63
54	54-1120	DB-310-750 DOUBLE EDGE BORING TOOL	56.54	54.36	52.19	50.01
54	54-1125	DB-310-1000 DOUBLE EDGE BORING TOOL	56.54	54.36	52.19	50.01
54	54-1130	DB-360-500 DOUBLE EDGE BORING TOOL	78.85	75.82	72.78	69.75

54	54-1135	DB-360-750 DOUBLE EDGE BORING TOOL	78.85	75.82	72.78	69.75
54	54-1140	DB-360-1000 DOUBLE EDGE BORING TOOL	78.85	75.82	72.78	69.75
54	54-1145	DB-490-500 DOUBLE BORE TOOL	96.27	92.57	88.88	85.17
54	54-1150	DB-490-750 DOUBLE BORE TOOL	96.27	92.57	88.88	85.17
54	54-1155	DB-490-1000 DOUBLE BORE TOOL	96.27	92.57	88.88	85.17
55	55-1100	BBC-125-300 .125 X .300 BORE & BACK CHAMFER TOOL	26.34	25.33	24.31	23.30
55	55-1100-C	BBC-125-300 .125 X .300 BORE & BACK CHAMFER TOOL	28.18	27.16	26.15	25.14
55	55-1105	BBC-125-500 .125 X .500 BORE & BACK CHAMFER TOOL	26.34	25.33	24.31	23.30
55	55-1105-C	BBC-125-500 .125 X .500 BORE & BACK CHAMFER TOOL	28.18	27.16	26.15	25.14
55	55-1110	BBC-187-400 .187 X .400 BORE & BACK CHAMFER TOOL	28.92	27.81	26.69	25.58
55	55-1110-C	BBC-187-400 .187 X .400 BORE & BACK CHAMFER TOOL	31.38	30.25	29.15	28.04
55	55-1115	BBC-187-800 .187 X .800 BORE & BACK CHAMFER TOOL	28.92	27.81	26.69	25.58
55	55-1115-C	BBC-187-800 .187 X .800 BORE & BACK CHAMFER TOOL	31.38	30.25	29.15	28.04
55	55-1120	BBC-250-500 .250 X .500 BORE & BACK CHAMFER TOOL	36.07	34.68	33.29	31.91
55	55-1120-C	BBC-250-500 .250 X .500 BORE & BACK CHAMFER TOOL	40.99	39.60	38.21	36.82
55	55-1125	BBC-250-1000 .250 X 1.000 BORE & BACK CHAMFER TOOL	36.07	34.68	33.29	31.91
55	55-1125-C	BBC-250-1000 .250 X 1.000 BORE & BACK CHAMFER TOOL	40.99	39.60	38.21	36.82
55	55-1130	BBC-312-750 .312 X .750 BORE & BACK CHAMFER TOOL	42.26	40.64	39.01	37.39
55	55-1130-C	BBC-312-750 .312 X .750 BORE & BACK CHAMFER TOOL	49.58	47.95	46.32	44.70
55	55-1135	BBC-312-1250 .312 X 1.250 BORE & BACK CHAMFER TOOL	42.26	40.64	39.01	37.39
55	55-1135-C	BBC-312-1250 .312 X 1.250 BORE & BACK CHAMFER TOOL	49.58	47.95	46.32	44.70
55	55-1140	BBC-375-750 .375 X .750 BORE & BACK CHAMFER TOOL	56.47	54.31	52.13	49.96
55	55-1140-C	BBC-375-750 .375 X .750 BORE & BACK CHAMFER TOOL	63.79	61.62	59.44	57.27
55	55-1145	BBC-375-1250 .375 X 1.250 BORE & BACK CHAMFER TOOL	56.47	54.31	52.13	49.96
55	55-1145-C	BBC-375-1250 .375 X 1.250 BORE & BACK CHAMFER TOOL	63.79	61.62	59.44	57.27
55	55-1150	BBC-500-1000 .500 X 1.000 BORE & BACK CHAMFER TOOL	100.59	96.73	92.86	88.98
55	55-1150-C	BBC-500-1000 .500 X 1.000 BORE & BACK CHAMFER TOOL	110.36	106.48	102.62	98.75
55	55-1155	BBC-500-1500 .500 X 1.500 BORE & BACK CHAMFER TOOL	100.59	96.73	92.86	88.98
55	55-1155-C	BBC-500-1500 .500 X 1.500 BORE & BACK CHAMFER TOOL	110.36	106.48	102.62	98.75
56	56-1000	PR-090-200 .090 X .200 PROFILER	33.80	32.49	31.19	29.90
56	56-1000-C	PR-090-200 .090 X .200 PROFILER	35.63	33.40	33.03	31.72
56	56-1005	PR-090-300 .090 X .300 PROFILER	33.80	32.49	31.19	29.90
56	56-1005-C	PR-090-300 .090 X .300 PROFILER	35.63	33.40	33.03	31.72
56	56-1010	PR-090-400 .090 X .400 PROFILER	33.80	32.49	31.19	29.90
56	56-1010-C	PR-090-400 .090 X .400 PROFILER	35.63	33.40	33.03	31.72
56	56-1080	PR-120-250 .120 X .250 PROFILER	33.80	32.49	31.19	29.90
56	56-1080-C	PR-120-250 .120 X .250 PROFILER	35.63	33.40	33.03	31.72
56	56-1085	PR-120-500 .120 X .500 PROFILER	33.80	32.49	31.19	29.90

56	56-1085-C	PR-120-500 .120 X .500 PROFILER	35.63	33.40	33.03	31.72
56	56-1090	PR-120-750 .120 X .750 PROFILER	33.80	32.49	31.19	29.90
56	56-1090-C	PR-120-750 .120 X .750 PROFILER	35.63	33.40	33.03	31.72
56	56-1100	PR-180-500 .180 X .500 PROFILER	35.45	34.09	32.73	31.37
56	56-1100-C	PR-180-500 .180 X .500 PROFILER	37.86	37.39	36.03	34.65
56	56-1105	PR-180-750 .180 X .750 PROFILER	35.45	34.09	32.73	31.37
56	56-1105-C	PR-180-750 .180 X .750 PROFILER	37.86	37.39	36.03	34.65
56	56-1110	PR-180-1000 .180 X 1.000 PROFILER	35.45	34.09	32.73	31.37
56	56-1110-C	PR-180-1000 .180 X 1.000 PROFILER	38.75	37.39	36.03	34.65
56	56-1115	PR-220-500 .220 X .500 PROFILER	39.80	38.27	36.74	35.21
56	56-1115-C	PR-220-500 .220 X .500 PROFILER	44.63	43.19	41.65	40.13
56	56-1120	PR-220-750 .220 X .750 PROFILER	39.80	38.27	36.74	35.21
56	56-1120-C	PR-220-750 .220 X .750 PROFILER	44.63	43.19	41.65	40.13
56	56-1125	PR-220-1000 .220 X 1.000 PROFILER	39.80	38.27	36.74	35.21
56	56-1125-C	PR-220-1000 .220 X 1.000 PROFILER	44.63	43.19	41.65	40.13
56	56-1130	PR-300-500 .300 X .500 PROFILER	49.94	48.01	46.10	44.17
56	56-1130-C	PR-300-500 .300 X .500 PROFILER	57.25	55.32	53.41	51.48
56	56-1135	PR-300-750 .300 X .750 PROFILER	49.94	48.01	46.10	44.17
56	56-1135-C	PR-300-750 .300 X .750 PROFILER	57.25	55.32	53.41	51.48
56	56-1140	PR-300-1000 .300 X 1.000 PROFILER	49.94	48.01	46.10	44.17
56	56-1140-C	PR-300-1000 .300 X 1.000 PROFILER	57.25	55.32	53.41	51.48
56	56-1145	PR-360-500 .360 X .500 PROFILER	64.25	61.93	59.46	56.98
56	56-1145-C	PR-360-500 .360 X .500 PROFILER	71.56	69.24	66.77	64.29
56	56-1150	PR-360-750 .360 X .750 PROFILER	64.41	61.93	59.46	56.98
56	56-1150-C	PR-360-750 .360 X .750 PROFILER	71.56	69.24	66.77	64.29
56	56-1155	PR-360-1000 .360 X 1.000 PROFILER	64.41	61.93	59.46	56.98
56	56-1155-C	PR-360-1000 .360 X 1.000 PROFILER	71.56	69.24	66.77	64.29
56	56-1160	PR-360-1250 .360 X 1.250 PROFILER	64.41	61.93	59.46	56.98
56	56-1160-C	PR-360-1250 .360 X 1.250 PROFILER	71.56	69.24	66.77	64.29
56	56-1165	PR-490-500 .490 X .500 PROFILER	82.55	79.37	76.19	73.02
56	56-1165-C	PR-490-500 .490 X .500 PROFILER	92.30	89.12	85.97	82.79
56	56-1170	PR-490-750 .490 X .750 PROFILER	82.55	79.37	76.19	73.02
56	56-1170-C	PR-490-750 .490 X .750 PROFILER	92.30	89.12	85.97	82.79
56	56-1175	PR-490-1000 .490 X 1.000 PROFILER	82.55	79.37	76.19	73.02
56	56-1175-C	PR-490-1000 .490 X 1.000 PROFILER	92.30	89.12	85.97	82.79
56	56-1180	PR-490-1250 .490 X 1.250 PROFILER	82.55	79.37	76.19	73.02
56	56-1180-C	PR-490-1250 .490 X 1.250 PROFILER	92.30	89.12	85.97	82.79
56	56-1315	FIP-220-500 .220 X .500 FINE POINT PROFILER	39.80	38.27	36.74	35.21

56	56-1315-C	FIP-220-500 .220 X .500 FINE POINT PROFILER	44.71	43.19	41.65	40.13
56	56-1320	FIP-220-750 .220 X .750 FINE POINT PROFILER	39.80	38.27	36.74	35.21
56	56-1320-C	FIP-220-750 .220 X .750 FINE POINT PROFILER	44.71	43.19	41.65	40.13
56	56-1325	FIP-220-1000 .220 X 1.000 FINE POINT PROFILER	39.80	38.27	36.74	35.21
56	56-1325-C	FIP-220-1000 .220 X 1.000 FINE POINT PROFILER	44.71	43.19	41.65	40.13
56	56-1330	FIP-300-750 .300 X .750 FINE POINT PROFILER	49.94	48.01	46.10	44.17
56	56-1330-C	FIP-300-750 .300 X .750 FINE POINT PROFILER	56.02	54.09	52.18	50.25
56	56-1335	FIP-300-1000 .300 X 1.000 FINE POINT PROFILER	49.94	48.01	46.10	44.17
56	56-1335-C	FIP-300-1000 .300 X 1.000 FINE POINT PROFILER	56.02	54.09	52.18	50.25
56	56-1340	FIP-360-750 .360 X .750 FINE POINT PROFILER	64.41	61.93	59.46	56.98
56	56-1340-C	FIP-360-750 .360 X .750 FINE POINT PROFILER	70.49	68.01	65.53	63.06
56	56-1345	FIP-360-1000 .360 X 1.000 FINE POINT PROFILER	64.41	61.93	59.46	56.98
56	56-1345-C	FIP-360-1000 .360 X 1.000 FINE POINT PROFILER	70.49	68.01	65.53	63.06
56	56-1350	FIP-360-1250 .360 X 1.250 FINE POINT PROFILER	64.41	61.93	59.46	56.98
56	56-1350-C	FIP-360-1250 .360 X 1.250 FINE POINT PROFILER	70.49	68.01	65.53	63.06
56	56-1360	FIP-490-1000 .490 X 1.000 FINE POINT PROFILER	82.55	79.37	76.19	73.02
56	56-1360-C	FIP-490-1000 .490 X 1.000 FINE POINT PROFILER	92.30	89.12	85.97	82.79
56	56-1365	FIP-490-1250 .490 X 1.250 FINE POINT PROFILER	82.55	79.37	76.19	73.02
56	56-1365-C	FIP-490-1250 .490 X 1.250 FINE POINT PROFILER	92.30	89.12	85.97	82.79
56	56-1370	FIP-490-1500 .490 X 1.50 FINE POINT PROFILER	82.55	79.37	76.19	73.02
56	56-1370-C	FIP-490-1500 .490 X 1.50 FINE POINT PROFILER	92.30	89.12	85.97	82.79
56	56-1500	RP-180-500 .180 X .500 REVERSE PROFILER	35.45	34.09	32.73	31.37
56	56-1500-C	RP-180-500 .180 X .500 REVERSE PROFILER	38.75	37.39	36.03	34.65
56	56-1505	RP-180-750 .180 X .750 REVERSE PROFILER	35.45	34.09	32.73	31.37
56	56-1505-C	RP-180-750 .180 X .750 REVERSE PROFILER	38.75	37.39	36.03	34.65
56	56-1510	RP-180-1000 .180 X 1.000 REVERSE PROFILER	35.45	34.09	32.73	31.37
56	56-1510-C	RP-180-1000 .180 X 1.000 REVERSE PROFILER	38.75	37.39	36.03	34.65
56	56-1515	RP-220-500 .220 X .500 REVERSE PROFILER	39.80	38.27	36.74	35.21
56	56-1515-C	RP-220-500 .220 X .500 REVERSE PROFILER	44.71	43.19	41.65	40.13
56	56-1520	RP-220-750 .220 X .750 REVERSE PROFILER	39.80	38.27	36.74	35.21
56	56-1520-C	RP-220-750 .220 X .750 REVERSE PROFILER	44.71	43.19	41.65	40.13
56	56-1525	RP-220-1000 .220 X 1.000 REVERSE PROFILER	39.80	38.27	36.74	35.21
56	56-1525-C	RP-220-1000 .220 X 1.000 REVERSE PROFILER	44.63	43.19	41.65	40.13
56	56-1530	RP-300-500 .300 X .500 REVERSE PROFILER	49.94	48.01	46.10	44.17
56	56-1530-C	RP-300-500 .300 X .500 REVERSE PROFILER	57.25	55.32	53.41	51.48
56	56-1535	RP-300-750 .300 X .750 REVERSE PROFILER	49.94	48.01	46.10	44.17
56	56-1535-C	RP-300-750 .300 X .750 REVERSE PROFILER	57.25	55.32	53.41	51.48
56	56-1540	RP-300-1000 .300 X 1.000 REVERSE PROFILER	49.94	48.01	46.10	44.17

56	56-1540-C	RP-300-1000 .300 X 1.000 REVERSE PROFILER	57.25	55.32	53.41	51.48
56	56-1545	RP-360-500 .360 X .500 REVERSE PROFILER	64.41	61.93	59.46	56.98
56	56-1545-C	RP-360-500 .360 X .500 REVERSE PROFILER	71.56	69.24	66.77	64.29
56	56-1550	RP-360-750 .360 X .750 REVERSE PROFILER	64.41	61.93	59.46	56.98
56	56-1550-C	RP-360-750 .360 X .750 REVERSE PROFILER	71.56	69.24	66.77	64.29
56	56-1555	RP-360-1000 .360 X 1.000 REVERSE PROFILER	64.41	61.93	59.46	56.98
56	56-1555-C	RP-360-1000 .360 X 1.000 REVERSE PROFILER	71.56	69.24	66.77	64.29
56	56-1560	RP-360-1250 .360 X 1.250 REVERSE PROFILER	64.41	61.93	59.46	56.98
56	56-1560-C	RP-360-1250 .360 X 1.250 REVERSE PROFILER	71.56	69.24	66.77	64.29
56	56-1565	RP-490-500 .490 X .500 REVERSE PROFILER	82.55	79.37	76.19	73.02
56	56-1565-C	RP-490-500 .490 X .500 REVERSE PROFILER	92.30	89.12	85.97	82.79
56	56-1570	RP-490-750 .490 X .750 REVERSE PROFILER	82.55	79.37	76.19	73.02
56	56-1570-C	RP-490-750 .490 X .750 REVERSE PROFILER	92.30	89.12	85.97	82.79
56	56-1575	RP-490-1000 .490 X 1.000 REVERSE PROFILER	82.55	79.37	76.19	73.02
56	56-1575-C	RP-490-1000 .490 X 1.000 REVERSE PROFILER	92.30	89.12	85.97	82.79
56	56-1580	RP-490-1250 .490 X 1.250 REVERSE PROFILER	82.55	79.37	76.19	73.02
56	56-1580-C	RP-490-1250 .490 X 1.250 REVERSE PROFILER	92.30	89.12	85.97	82.79
56	56-1815	ROP-220-500 .220 X .500 PROFILER	39.80	38.27	36.74	35.21
56	56-1815-C	ROP-220-500 .220 X .500 PROFILER	44.63	43.19	41.65	40.13
56	56-1820	ROP-220-750 .220 X .750 PROFILER	39.80	38.27	36.74	35.21
56	56-1820-C	ROP-220-750 .220 X .750 PROFILER	44.63	43.19	41.65	40.13
56	56-1825	ROP-220-1000 .220 X 1000 PROFILER	39.80	38.27	36.74	35.21
56	56-1825-C	ROP-220-1000 .220 X 1000 PROFILER	44.63	43.19	41.65	40.13
56	56-1830	ROP-300-500 .300 X .500 PROFILER	49.94	48.01	46.10	44.17
56	56-1830-C	ROP-300-500 .300 X .500 PROFILER	57.25	55.32	53.41	51.48
56	56-1835	ROP-300-750 .300 X .750 PROFILER	49.94	48.01	46.10	44.17
56	56-1835-C	ROP-300-750 .300 X .750 PROFILER	57.25	55.32	53.41	51.48
56	56-1840	ROP-300-1000 .300 X 1000 PROFILER	49.94	48.01	46.10	44.17
56	56-1840-C	ROP-300-1000 .300 X 1000 PROFILER	57.25	55.32	53.41	51.48
56	56-1845	ROP-360-500 .360 X .500 PROFILER	64.41	61.93	59.46	56.98
56	56-1845-C	ROP-360-500 .360 X .500 PROFILER	70.49	68.01	65.53	63.06
56	56-1850	ROP-360-750 .360 X .750 PROFILER	64.41	61.93	59.46	56.98
56	56-1850-C	ROP-360-750 .360 X .750 PROFILER	70.49	68.01	65.53	63.06
56	56-1855	ROP-360-1000 .360 X 1000 PROFILER	64.41	61.93	59.46	56.98
56	56-1855-C	ROP-360-1000 .360 X 1000 PROFILER	70.49	68.01	65.53	63.06
56	56-1860	ROP-360-1250 .360 X 1250 PROFILER	64.41	61.93	59.46	56.98
56	56-1860-C	ROP-360-1250 .360 X 1250 PROFILER	70.49	68.01	65.53	63.06
56	56-1865	ROP-490-500 .490 X .500 PROFILER	82.55	79.37	76.19	73.02

56	56-1865-C	ROP-490-500 .490 X .500 PROFILER	92.30	89.12	85.97	82.79
56	56-1870	ROP-490-750 .490 X .750 PROFILER	82.55	79.37	76.19	73.02
56	56-1870-C	ROP-490-750 .490 X .750 PROFILER	92.30	89.12	85.97	82.79
56	56-1875	ROP-490-1000 .490 X 1000 PROFILER	82.55	79.37	76.19	73.02
56	56-1875-C	ROP-490-1000 .490 X 1000 PROFILER	92.30	89.12	85.97	82.79
56	56-1880	ROP-490-1250 .490 X 1250 PROFILER	82.55	79.37	76.19	73.02
56	56-1880-C	ROP-490-1250 .490 X 1250 PROFILER	92.30	89.12	85.97	82.79
56	56-1915	LOP-220-500 .220 X .500 PROFILER	39.80	38.27	36.74	35.21
56	56-1915-C	LOP-220-500 .220 X .500 PROFILER	44.71	43.19	41.65	40.13
56	56-1920	LOP-220-750 .220 X .750 PROFILER	39.80	38.27	36.74	35.21
56	56-1920-C	LOP-220-750 .220 X .750 PROFILER	44.71	43.19	41.65	40.13
56	56-1925	LOP-220-1000 .220 X 1000 PROFILER	39.80	38.27	36.74	35.21
56	56-1925-C	LOP-220-1000 .220 X 1000 PROFILER	44.71	43.19	41.65	40.13
56	56-1930	LOP-300-500 .300 X .500 PROFILER	49.94	48.01	46.10	44.17
56	56-1930-C	LOP-300-500 .300 X .500 PROFILER	57.25	55.32	53.41	51.48
56	56-1935	LOP-300-750 .300 X .750 PROFILER	49.94	48.01	46.10	44.17
56	56-1935-C	LOP-300-750 .300 X .750 PROFILER	57.25	55.32	53.41	51.48
56	56-1940	LOP-300-1000 .300 X 1000 PROFILER	49.94	48.01	46.10	44.17
56	56-1940-C	LOP-300-1000 .300 X 1000 PROFILER	57.25	55.32	53.41	51.48
56	56-1945	LOP-360-500 .360 X .500 PROFILER	64.41	61.93	59.46	56.98
56	56-1945-C	LOP-360-500 .360 X .500 PROFILER	70.49	68.01	65.53	63.06
56	56-1950	LOP-360-750 .360 X .750 PROFILER	64.41	61.93	59.46	56.98
56	56-1950-C	LOP-360-750 .360 X .750 PROFILER	70.49	68.01	65.53	63.06
56	56-1955	LOP-360-1000 .360 X 1000 PROFILER	64.41	61.93	59.46	56.98
56	56-1955-C	LOP-360-1000 .360 X 1000 PROFILER	70.49	68.01	65.53	63.06
56	56-1960	LOP-360-1250 .360 X 1250 PROFILER	64.41	61.93	59.46	56.98
56	56-1960-C	LOP-360-1250 .360 X 1250 PROFILER	70.49	68.01	65.53	63.06
56	56-1965	LOP-490-500 .490 X .500 PROFILER	82.55	79.37	76.19	73.02
56	56-1965-C	LOP-490-500 .490 X .500 PROFILER	92.30	89.12	85.97	82.79
56	56-1970	LOP-490-750 .490 X .750 PROFILER	82.55	79.37	76.19	73.02
56	56-1970-C	LOP-490-750 .490 X .750 PROFILER	92.30	89.12	85.97	82.79
56	56-1975	LOP-490-1000 .490 X 1000 PROFILER	82.55	79.37	76.19	73.02
56	56-1975-C	LOP-490-1000 .490 X 1000 PROFILER	92.30	89.12	85.97	82.79
56	56-1980	LOP-490-1250 .490 X 1250 PROFILER	82.55	79.37	76.19	73.02
56	56-1980-C	LOP-490-1250 .490 X 1250 PROFILER	92.30	89.12	85.97	82.79
57	57-1000	.250 X .0156 DEEP SLOTting KEY CUTTER	42.23	40.54	38.92	37.36
57	57-1000-C	.250 X .0156 DEEP SLOTting KEY CUTTER	48.40	46.45	44.61	42.81
57	57-1010	.250 X .0312 DEEP SLOTting KEY CUTTER	42.23	40.54	38.92	37.36

57	57-1010-C	.250 X .0312 DEEP SLOTTING KEY CUTTER	48.40	46.45	44.61	42.81
57	57-1020	.250 X .0469 DEEP SLOTTING KEY CUTTER	42.23	40.54	38.92	37.36
57	57-1020-C	.250 X .0469 DEEP SLOTTING KEY CUTTER	48.40	46.45	44.61	42.81
57	57-1030	.250 X .0625 DEEP SLOTTING KEY CUTTER	42.23	40.54	38.92	37.36
57	57-1030-C	.250 X .0625 DEEP SLOTTING KEY CUTTER	48.40	46.45	44.61	42.81
57	57-1040	.250 X .0781 DEEP SLOTTING KEY CUTTER	42.23	40.54	38.92	37.36
57	57-1040-C	.250 X .0781 DEEP SLOTTING KEY CUTTER	48.40	46.45	44.61	42.81
57	57-1050	.250 X .0938 DEEP SLOTTING KEY CUTTER	42.23	40.54	38.92	37.36
57	57-1050-C	.250 X .0938 DEEP SLOTTING KEY CUTTER	48.40	46.45	44.61	42.81
57	57-1060	.250 X .1250 DEEP SLOTTING KEY CUTTER	42.23	40.54	38.92	37.36
57	57-1060-C	.250 X .1250 DEEP SLOTTING KEY CUTTER	48.40	46.45	44.61	42.81
57	57-1070	.312 X .0156 DEEP SLOTTING KEY CUTTER	59.19	56.82	54.55	52.36
57	57-1070-C	.312 X .0156 DEEP SLOTTING KEY CUTTER	66.38	63.73	61.16	58.72
57	57-1080	.312 X .0312 DEEP SLOTTING KEY CUTTER	59.19	56.82	54.55	52.36
57	57-1080-C	.312 X .0312 DEEP SLOTTING KEY CUTTER	66.38	63.73	61.16	58.72
57	57-1090	.312 X .0469 DEEP SLOTTING KEY CUTTER	59.19	56.82	54.55	52.36
57	57-1090-C	.312 X .0469 DEEP SLOTTING KEY CUTTER	66.38	63.73	61.16	58.72
57	57-1100	.312 X .0625 DEEP SLOTTING KEY CUTTER	59.19	56.82	54.55	52.36
57	57-1100-C	.312 X .0625 DEEP SLOTTING KEY CUTTER	66.38	63.73	61.16	58.72
57	57-1110	.312 X .0781 DEEP SLOTTING KEY CUTTER	59.19	56.82	54.55	52.36
57	57-1110-C	.312 X .0781 DEEP SLOTTING KEY CUTTER	66.38	63.73	61.16	58.72
57	57-1120	.312 X .0938 DEEP SLOTTING KEY CUTTER	59.19	56.82	54.55	52.36
57	57-1120-C	.312 X .0938 DEEP SLOTTING KEY CUTTER	66.38	63.73	61.16	58.72
57	57-1130	.312 X .1250 DEEP SLOTTING KEY CUTTER	59.19	56.82	54.55	52.36
57	57-1130-C	.312 X .1250 DEEP SLOTTING KEY CUTTER	66.38	63.73	61.16	58.72
57	57-1140	.375 X .0156 DEEP SLOTTING KEY CUTTER	62.88	59.74	57.35	55.04
57	57-1140-C	.375 X .0156 DEEP SLOTTING KEY CUTTER	71.10	68.26	65.53	62.91
57	57-1150	.375 X .0312 DEEP SLOTTING KEY CUTTER	62.88	59.74	57.35	55.04
57	57-1150-C	.375 X .0312 DEEP SLOTTING KEY CUTTER	71.10	68.26	65.53	62.91
57	57-1160	.375 X .0469 DEEP SLOTTING KEY CUTTER	62.88	59.74	57.35	55.04
57	57-1160-C	.375 X .0469 DEEP SLOTTING KEY CUTTER	71.10	68.26	65.53	62.91
57	57-1170	.375 X .0625 DEEP SLOTTING KEY CUTTER	62.88	59.74	57.35	55.04
57	57-1170-C	.375 X .0625 DEEP SLOTTING KEY CUTTER	71.10	68.26	65.53	62.91
57	57-1180	.375 X .0781 DEEP SLOTTING KEY CUTTER	62.88	59.74	57.35	55.04
57	57-1180-C	.375 X .0781 DEEP SLOTTING KEY CUTTER	71.10	68.26	65.53	62.91
57	57-1190	.375 X .0938 DEEP SLOTTING KEY CUTTER	62.88	59.74	57.35	55.04
57	57-1190-C	.375 X .0938 DEEP SLOTTING KEY CUTTER	71.10	68.26	65.53	62.91
57	57-1200	.375 X .1250 DEEP SLOTTING KEY CUTTER	62.88	59.74	57.35	55.04

57	57-1200-C	.375 X .1250 DEEP SLOTTING KEY CUTTER	71.10	68.26	65.53	62.91
57	57-1210	.500 X .0156 DEEP SLOTTING KEY CUTTER	82.10	78.82	75.66	72.64
57	57-1210-C	.500 X .0156 DEEP SLOTTING KEY CUTTER	93.40	89.66	86.08	82.63
57	57-1220	.500 X .0312 DEEP SLOTTING KEY CUTTER	82.10	78.82	75.66	72.64
57	57-1220-C	.500 X .0312 DEEP SLOTTING KEY CUTTER	93.40	89.66	86.08	82.63
57	57-1230	.500 X .0469 DEEP SLOTTING KEY CUTTER	82.10	78.82	75.66	72.64
57	57-1230-C	.500 X .0469 DEEP SLOTTING KEY CUTTER	93.40	89.66	86.08	82.63
57	57-1240	.500 X .0625 DEEP SLOTTING KEY CUTTER	82.10	78.82	75.66	72.64
57	57-1240-C	.500 X .0625 DEEP SLOTTING KEY CUTTER	93.40	89.66	86.08	82.63
57	57-1250	.500 X .0781 DEEP SLOTTING KEY CUTTER	82.10	78.82	75.66	72.64
57	57-1250-C	.500 X .0781 DEEP SLOTTING KEY CUTTER	93.40	89.66	86.08	82.63
57	57-1260	.500 X .0938 DEEP SLOTTING KEY CUTTER	82.10	78.82	75.66	72.64
57	57-1260-C	.500 X .0938 DEEP SLOTTING KEY CUTTER	93.40	89.66	86.08	82.63
57	57-1270	.500 X .1250 DEEP SLOTTING KEY CUTTER	82.10	78.82	75.66	72.64
57	57-1270-C	.500 X .1250 DEEP SLOTTING KEY CUTTER	93.40	89.66	86.08	82.63
57	57-1280	.625 X .0625 DEEP SLOTTING KEY CUTTER	123.30	118.37	113.63	109.09
57	57-1280-C	.625 X .0625 DEEP SLOTTING KEY CUTTER	133.09	127.77	122.65	117.75
57	57-1290	.625 X .0938 DEEP SLOTTING KEY CUTTER	123.30	118.37	113.63	109.09
57	57-1290-C	.625 X .0938 DEEP SLOTTING KEY CUTTER	133.09	127.77	122.65	117.75
57	57-1300	.625 X .1250 DEEP SLOTTING KEY CUTTER	123.30	118.37	113.63	109.09
57	57-1300-C	.625 X .1250 DEEP SLOTTING KEY CUTTER	133.09	127.77	122.65	117.75
57	57-1310	.625 X .1875 DEEP SLOTTING KEY CUTTER	123.30	118.37	113.63	109.09
57	57-1310-C	.625 X .1875 DEEP SLOTTING KEY CUTTER	133.09	127.77	122.65	117.75
58	58-1108	SD-125 1/8 SPADE DRILL	15.58	14.98	14.39	13.78
58	58-1110	SD-156 5/32 SPADE DRILL	20.10	19.32	18.55	17.78
58	58-1112	SD-187 3/16 SPADE DRILL	21.83	20.98	20.15	19.31
58	58-1114	SD-218 7/32 SPADE DRILL	25.51	24.53	23.55	22.57
58	58-1116	SD-250 1/4 SPADE DRILL	28.52	27.43	26.33	25.23
58	58-1118	SD-281 9/32 SPADE DRILL	34.39	33.08	31.74	30.43
58	58-1120	SD-312 5/16 SPADE DRILL	38.92	37.41	35.92	34.42
58	58-1122	SD-343 11/32 SPADE DRILL	48.09	46.24	44.39	42.54
58	58-1124	SD-375 3/8 SPADE DRILL	51.11	49.14	47.17	45.21
58	58-1126	SD-406 13/32 SPADE DRILL	56.60	54.42	52.24	50.07
58	58-1128	SD-437 7/16 SPADE DRILL	59.41	57.12	54.84	52.55
58	58-1130	SD-468 15/32 SPADE DRILL	64.65	62.16	59.67	57.20
58	58-1132	SD-500 1/2 SPADE DRILL	70.37	67.66	64.96	62.25
59	59-1200	DBO-250-500 DRILL & BORE TOOL	41.25	39.66	38.07	36.49
59	59-1205	DBO-250-750 DRILL & BORE TOOL	41.25	39.66	38.07	36.49

59	59-1210	DBO-250-1000 DRILL & BORE TOOL	41.25	39.66	38.07	36.49
59	59-1215	DBO-312-500 DRILL & BORE TOOL	56.54	54.36	52.19	50.01
59	59-1220	DBO-312-750 DRILL & BORE TOOL	56.54	54.36	52.19	50.01
59	59-1225	DBO-312-1000 DRILL & BORE TOOL	56.54	54.36	52.19	50.01
59	59-1230	DBO-375-500 DRILL & BORE TOOL	78.85	75.82	72.78	69.75
59	59-1235	DBO-375-750 DRILL & BORE TOOL	78.85	75.82	72.78	69.75
59	59-1240	DBO-375-1000 DRILL & BORE TOOL	78.85	75.82	72.78	69.75
59	59-1245	DBO-500-500 DRILL & BORE TOOL	98.26	94.48	90.70	86.93
59	59-1250	DBO-500-750 DRILL & BORE TOOL	98.26	94.48	90.70	86.93
59	59-1255	DBO-500-1000 DRILL & BORE TOOL	98.26	94.48	90.70	86.93
60	60-1400	A7-312B .125 DIA X 1/32 RADIUS DIE SINKER	22.05	21.20	20.36	19.51
60	60-1400-C	A7-312B .125 DIA X 1/32 RADIUS DIE SINKER	23.59	22.72	21.88	21.04
60	60-1405	A7-313B .156 DIA X .040 RADIUS DIE SINKER	30.03	28.88	27.72	26.56
60	60-1405-C	A7-313B .156 DIA X .040 RADIUS DIE SINKER	32.25	31.11	29.95	28.79
60	60-1410	A7-375B .187 DIA X .046 RADIUS DIE SINKER	31.20	30.10	28.90	27.70
60	60-1410-C	A7-375B .187 DIA X .046 RADIUS DIE SINKER	33.63	32.42	30.57	30.01
60	60-1415	A7-500B .250 DIA X .062 RADIUS DIE SINKER	39.74	38.21	36.68	35.15
60	60-1415-C	A7-500B .250 DIA X .062 RADIUS DIE SINKER	42.95	41.43	39.89	38.36
60	60-1420	A7-625B .312 DIA X .078 RADIUS DIE SINKER	49.38	47.47	45.58	43.68
60	60-1420-C	A7-625B .312 DIA X .078 RADIUS DIE SINKER	52.47	50.56	48.67	46.77
60	60-1425	A7-750B .375 DIA X .093 RADIUS DIE SINKER	56.42	54.24	52.08	49.91
60	60-1425-C	A7-750B .375 DIA X .093 RADIUS DIE SINKER	60.86	58.69	56.52	54.35
60	60-1430	A7-875B .437 DIA X .109 RADIUS DIE SINKER	75.12	72.22	69.33	66.44
60	60-1430-C	A7-875B .437 DIA X .109 RADIUS DIE SINKER	82.13	79.23	76.34	73.46
60	60-1435	A7-1000B .500 DIA X .125 RADIUS DIE SINKER	89.11	85.68	82.26	78.83
60	60-1435-C	A7-1000B .500 DIA X .125 RADIUS DIE SINKER	96.13	92.70	89.26	85.84
61	61-1200	RU-125-3 RUNNER CUTTER	32.49	31.25	29.99	28.75
61	61-1200-C	RU-125-3 RUNNER CUTTER	34.02	32.78	31.52	30.27
61	61-1250	RU-125-5 RUNNER CUTTER	32.49	31.25	29.99	28.75
61	61-1250-C	RU-125-5 RUNNER CUTTER	34.02	32.78	31.52	30.27
61	61-1300	RU-125-10 RUNNER CUTTER	32.49	31.25	29.99	28.75
61	61-1300-C	RU-125-10 RUNNER CUTTER	34.02	35.78	34.34	32.97
61	61-1350	RU-187-3 RUNNER CUTTER	36.29	34.89	33.50	32.10
61	61-1350-C	RU-187-3 RUNNER CUTTER	38.51	37.12	35.72	34.33
61	61-1400	RU-187-5 RUNNER CUTTER	36.29	34.89	33.50	32.10
61	61-1400-C	RU-187-5 RUNNER CUTTER	38.51	37.12	35.72	34.33
61	61-1450	RU-187-10 RUNNER CUTTER	36.29	34.89	33.50	32.10
61	61-1450-C	RU-187-10 RUNNER CUTTER	38.51	36.97	34.84	33.38

61	61-1500	RU-250-3 RUNNER CUTTER	40.32	38.78	37.22	35.67
61	61-1500-C	RU-250-3 RUNNER CUTTER	43.41	41.86	40.31	38.76
61	61-1550	RU-250-5 RUNNER CUTTER	40.32	38.78	37.22	35.67
61	61-1550-C	RU-250-5 RUNNER CUTTER	43.41	41.86	40.31	38.76
61	61-1600	RU-250-10 RUNNER CUTTER	40.32	38.78	37.22	35.67
61	61-1600-C	RU-250-10 RUNNER CUTTER	43.41	41.67	40.01	38.41
61	61-1650	RU-312-3 RUNNER CUTTER	48.53	46.66	44.80	42.93
61	61-1650-C	RU-312-3 RUNNER CUTTER	52.97	51.11	49.24	47.37
61	61-1700	RU-312-5 RUNNER CUTTER	48.53	46.66	44.80	42.93
61	61-1700-C	RU-312-5 RUNNER CUTTER	52.97	51.11	49.24	47.37
61	61-1750	RU-312-10 RUNNER CUTTER	48.53	46.66	44.80	42.93
61	61-1750-C	RU-312-10 RUNNER CUTTER	50.47	48.45	46.52	44.66
61	61-1800	RU-375-3 RUNNER CUTTER	51.57	49.58	47.60	45.62
61	61-1800-C	RU-375-3 RUNNER CUTTER	56.01	54.02	52.04	50.07
61	61-1850	RU-375-5 RUNNER CUTTER	51.57	49.58	47.60	45.62
61	61-1850-C	RU-375-5 RUNNER CUTTER	56.01	54.02	52.04	50.07
61	61-1900	RU-375-10 RUNNER CUTTER	51.57	49.58	47.60	45.62
61	61-1900-C	RU-375-10 RUNNER CUTTER	56.01	53.78	51.63	49.56
61	61-1950	RU-500-3 RUNNER CUTTER	63.23	60.81	58.37	55.94
61	61-1950-C	RU-500-3 RUNNER CUTTER	71.78	69.41	66.92	64.49
61	61-2000	RU-500-5 RUNNER CUTTER	63.23	60.81	58.37	55.94
61	61-2000-C	RU-500-5 RUNNER CUTTER	71.78	69.41	66.92	64.49
61	61-2050	RU-500-10 RUNNER CUTTER	63.23	60.81	58.37	55.94
61	61-2050-C	RU-500-10 RUNNER CUTTER	70.24	67.43	64.73	62.15
62	62-1095	EN-125-30 .125 DIA. X 30° INC. ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-1095-C	EN-125-30 .125 DIA. X 30° INC. ENGRAVING TOOL	18.01	17.29	16.58	15.86
62	62-1100	EN-125-40 .125 DIA. X 40° INC. ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-1100-C	EN-125-40 .125 DIA. X 40° INC. ENGRAVING TOOL	18.01	17.28	16.58	15.86
62	62-1105	EN-125-60 .125 DIA. X 60° INC. ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-1105-C	EN-125-60 .125 DIA. X 60° INC. ENGRAVING TOOL	18.01	17.28	16.58	15.86
62	62-1110	EN-125-90 .125 DIA. X 90° INC. ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-1110-C	EN-125-90 .125 DIA. X 90° INC. ENGRAVING TOOL	18.01	17.28	16.58	15.86
62	62-1115	EN-125-120 .125 DIA. X 120° INC. ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-1115-C	EN-125-120 .125 DIA. X 120° INC. ENGRAVING TOOL	18.01	17.28	16.58	15.86
62	62-1117	EN-187-30 .187 DIA X 30° INC. ENGRAVING TOOL	16.35	15.70	15.08	14.47
62	62-1117-C	EN-187-30 .187 DIA X 30° INC. ENGRAVING TOOL	19.64	18.85	18.10	17.37
62	62-1120	EN-187-40 .187 DIA X 40° INC. ENGRAVING TOOL	19.80	19.00	18.21	17.42
62	62-1120-C	EN-187-40 .187 DIA X 40° INC. ENGRAVING TOOL	23.09	22.17	21.25	20.32

62	62-1125	EN-187-60 .187 DIA X 60° INC. ENGRAVING TOOL	19.80	19.00	18.21	17.42
62	62-1125-C	EN-187-60 .187 DIA X 60° INC. ENGRAVING TOOL	23.09	22.17	21.25	20.32
62	62-1130	EN-187-90 .187 DIA X 90° INC. ENGRAVING TOOL	19.80	19.00	18.21	17.42
62	62-1130-C	EN-187-90 .187 DIA X 90° INC. ENGRAVING TOOL	23.09	22.17	21.25	20.32
62	62-1135	EN-187-120 .187 DIA X 120° INC. ENGRAVING TOOL	19.80	19.00	18.21	17.42
62	62-1135-C	EN-187-120 .187 DIA X 120° INC. ENGRAVING TOOL	23.09	22.17	21.25	20.32
62	62-1137	EN-250-30 .250 DIA X 30° INC. ENGRAVING TOOL	20.57	19.75	18.96	18.19
62	62-1137-C	EN-250-30 .250 DIA X 30° INC. ENGRAVING TOOL	23.02	22.10	25.70	21.21
62	62-1140	EN-250-40 .250 DIA X 40° INC. ENGRAVING TOOL	23.02	22.09	21.17	20.26
62	62-1140-C	EN-250-40 .250 DIA X 40° INC. ENGRAVING TOOL	27.93	26.81	25.70	24.57
62	62-1145	EN-250-60 .250 DIA X 60° INC. ENGRAVING TOOL	23.02	22.09	21.17	20.26
62	62-1145-C	EN-250-60 .250 DIA X 60° INC. ENGRAVING TOOL	27.93	26.81	25.70	24.57
62	62-1150	EN-250-90 .250 DIA X 90° INC. ENGRAVING TOOL	23.02	22.09	21.17	20.26
62	62-1150-C	EN-250-90 .250 DIA X 90° INC. ENGRAVING TOOL	27.93	26.81	25.70	24.57
62	62-1155	EN-250-120 .250 DIA X 120° INC. ENGRAVING TOOL	23.02	22.09	21.17	20.26
62	62-1155-C	EN-250-120 .250 DIA X 120° INC. ENGRAVING TOOL	27.93	26.81	25.70	24.57
62	62-1157	EN-312-30 .312 DIA. X 30° INC. ENGRAVING TOOL	34.16	32.85	31.53	30.22
62	62-1157-C	EN-312-30 .312 DIA. X 30° INC. ENGRAVING TOOL	41.47	39.81	38.15	36.49
62	62-1160	EN-312-40 .312 DIA. X 40° INC. ENGRAVING TOOL	34.16	32.85	31.53	30.22
62	62-1160-C	EN-312-40 .312 DIA. X 40° INC. ENGRAVING TOOL	41.47	39.81	38.15	36.49
62	62-1162	EN-312-60 .312 DIA. X 60° INC. ENGRAVING TOOL	34.16	32.85	31.53	30.22
62	62-1162-C	EN-312-60 .312 DIA. X 60° INC. ENGRAVING TOOL	41.47	39.81	38.15	36.49
62	62-1165	EN-312-90 .312 DIA. X 90° INC. ENGRAVING TOOL	34.16	32.85	31.53	30.22
62	62-1165-C	EN-312-90 .312 DIA. X 90° INC. ENGRAVING TOOL	41.47	39.81	38.15	36.49
62	62-1167	EN-312-120 .312 DIA. X 120° INC. ENGRAVING TOOL	34.16	32.85	31.53	30.22
62	62-1167-C	EN-312-120 .312 DIA. X 120° INC. ENGRAVING TOOL	41.47	39.81	38.15	36.49
62	62-1170	EN-375-30 .375 DIA. X 30° INC. ENGRAVING TOOL	45.25	43.51	41.77	40.03
62	62-1170-C	EN-375-30 .375 DIA. X 30° INC. ENGRAVING TOOL	52.57	50.47	48.36	46.26
62	62-1172	EN-375-40 .375 DIA. X 40° INC. ENGRAVING TOOL	45.25	43.51	41.77	40.03
62	62-1172-C	EN-375-40 .375 DIA. X 40° INC. ENGRAVING TOOL	52.57	50.47	48.36	46.26
62	62-1175	EN-375-60 .375 DIA. X 60° INC. ENGRAVING TOOL	45.25	43.51	41.77	40.03
62	62-1175-C	EN-375-60 .375 DIA. X 60° INC. ENGRAVING TOOL	52.57	50.47	48.36	46.26
62	62-1177	EN-375-90 .375 DIA. X 90° INC. ENGRAVING TOOL	45.25	43.51	41.77	40.03
62	62-1177-C	EN-375-90 .375 DIA. X 90° INC. ENGRAVING TOOL	52.57	50.47	48.36	46.26
62	62-1180	EN-375-120 .375 DIA. X 120° INC. ENGRAVING TOOL	45.25	43.51	41.77	40.03
62	62-1180-C	EN-375-120 .375 DIA. X 120° INC. ENGRAVING TOOL	52.57	50.47	48.36	46.26
62	62-1182	EN-500-30 .500 DIA. X 30° INC. ENGRAVING TOOL	66.75	64.19	61.62	59.04
62	62-1182-C	EN-500-30 .500 DIA. X 30° INC. ENGRAVING TOOL	76.51	73.45	70.39	67.33

62	62-1185	EN-500-40 .500 DIA. X 40° INC.ENGRAVING TOOL	66.75	64.19	61.62	59.04
62	62-1185-C	EN-500-40 .500 DIA. X 40° INC.ENGRAVING TOOL	76.51	73.45	70.39	67.33
62	62-1187	EN-500-60 .500 DIA. X 60° INC. ENGRAVING TOOL	66.78	64.19	61.62	59.04
62	62-1187-C	EN-500-60 .500 DIA. X 60° INC. ENGRAVING TOOL	76.51	73.45	70.39	67.33
62	62-1190	EN-500-90 .500 DIA. X 90° INC. ENGRAVING TOOL	66.75	64.19	61.62	59.04
62	62-1190-C	EN-500-90 .500 DIA. X 90° INC. ENGRAVING TOOL	76.51	73.45	70.39	67.33
62	62-1192	EN-500-120 .500 DIA. X 120° INC. ENGRAVING TOOL	66.75	64.19	61.62	59.04
62	62-1192-C	EN-500-120 .500 DIA. X 120° INC. ENGRAVING TOOL	76.51	73.45	70.39	67.33
62	62-1200	EN-125-40-F .125 DIA. X 40° INC. ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-1200-C	EN-125-40-F .125 DIA. X 40° INC. ENGRAVING TOOL	18.42	17.68	16.95	16.21
62	62-1205	EN-125-60-F .125 DIA. X 60° INC. ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-1205-C	EN-125-60-F .125 DIA. X 60° INC. ENGRAVING TOOL	18.42	17.68	16.95	16.21
62	62-1210	EN-125-90-F .125 DIA. X 90° INC. ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-1210-C	EN-125-90-F .125 DIA. X 90° INC. ENGRAVING TOOL	18.42	17.68	16.95	16.21
62	62-1400	DEN-125-30 .125 DIA. X 30° INC. DBL END ENGRAVING TOOL	20.14	19.33	18.53	17.72
62	62-1400-C	DEN-125-30 .125 DIA. X 30° INC. DBL END ENGRAVING TOOL	23.81	22.84	21.90	20.94
62	62-1402	DEN-125-40 .125 DIA. X 40° INC. DBL END ENGRAVING TOOL	20.14	19.33	18.53	17.72
62	62-1402-C	DEN-125-40 .125 DIA. X 40° INC. DBL END ENGRAVING TOOL	23.81	22.84	21.90	20.94
62	62-1405	DEN-125-60 .125 DIA. X 60° INC. DBL END ENGRAVING TOOL	20.14	19.33	18.53	17.72
62	62-1405-C	DEN-125-60 .125 DIA. X 60° INC. DBL END ENGRAVING TOOL	23.81	22.84	21.90	20.94
62	62-1410	DEN-125-90 .125 DIA. X 90° INC. DBL END ENGRAVING TOOL	20.14	19.33	18.53	17.72
62	62-1410-C	DEN-125-90 .125 DIA. X 90° INC. DBL END ENGRAVING TOOL	23.81	22.84	21.90	20.94
62	62-1415	DEN-125-120 .125 DIA. X 120° INC. DBL END ENGRAVING TOOL	20.14	19.33	18.53	17.72
62	62-1415-C	DEN-125-120 .125 DIA. X 120° INC. DBL END ENGRAVING TOOL	23.81	22.84	21.90	20.94
62	62-1417	DEN-187-30 .187 DIA X 30° INC. DBL END ENGRAVING TOOL	25.57	24.54	23.52	22.50
62	62-1417-C	DEN-187-30 .187 DIA X 30° INC. DBL END ENGRAVING TOOL	32.16	30.87	29.59	28.31
62	62-1420	DEN-187-40 .187 DIA X 40° INC. DBL END ENGRAVING TOOL	25.57	24.54	23.52	22.50
62	62-1420-C	DEN-187-40 .187 DIA X 40° INC. DBL END ENGRAVING TOOL	32.16	30.87	29.59	28.31
62	62-1425	DEN-187-60 .187 DIA X 60° INC. DBL END ENGRAVING TOOL	25.57	24.54	23.52	22.50
62	62-1425-C	DEN-187-60 .187 DIA X 60° INC. DBL END ENGRAVING TOOL	32.16	30.87	29.59	28.31
62	62-1430	DEN-187-90 .187 DIA X 90° INC. DBL END ENGRAVING TOOL	25.57	24.54	23.52	22.50
62	62-1430-C	DEN-187-90 .187 DIA X 90° INC. DBL END ENGRAVING TOOL	32.16	30.87	29.59	28.31
62	62-1435	DEN-187-120 .187 DIA X 120° INC. DBL END ENGRAVING TOOL	25.57	24.54	23.52	22.50
62	62-1435-C	DEN-187-120 .187 DIA X 120° INC. DBL END ENGRAVING TOOL	32.16	30.87	29.59	28.31
62	62-1437	DEN-250-30 .250 DIA X 30° INC. DBL END ENGRAVING TOOL	32.10	30.81	29.53	28.24
62	62-1437-C	DEN-250-30 .250 DIA X 30° INC. DBL END ENGRAVING TOOL	41.93	40.26	38.58	36.90
62	62-1440	DEN-250-40 .250 DIA X 40° INC. DBL END ENGRAVING TOOL	32.10	30.81	29.53	28.24
62	62-1440-C	DEN-250-40 .250 DIA X 40° INC. DBL END ENGRAVING TOOL	41.93	40.26	38.58	36.90

62	62-1445	DEN-250-60 .250 DIA X 60° INC. DBL END ENGRAVING TOOL	32.10	30.81	29.53	28.24
62	62-1445-C	DEN-250-60 .250 DIA X 60° INC. DBL END ENGRAVING TOOL	41.93	40.26	38.58	36.90
62	62-1450	DEN-250-90 .250 DIA X 90° INC. DBL END ENGRAVING TOOL	32.10	30.81	29.53	28.24
62	62-1450-C	DEN-250-90 .250 DIA X 90° INC. DBL END ENGRAVING TOOL	41.93	40.26	38.58	36.90
62	62-1455	DEN-250-120 .250 DIA X 120° INC. DBL END ENGRAVING TOOL	32.10	30.81	29.53	28.24
62	62-1455-C	DEN-250-120 .250 DIA X 120° INC. DBL END ENGRAVING TOOL	41.93	40.26	38.58	36.90
62	62-1500	EN-125-40-S .125 DIA. X 40° INC. ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-1500-C	EN-125-40-S .125 DIA. X 40° INC. ENGRAVING TOOL	18.01	17.28	16.58	15.86
62	62-1505	EN-125-60-S .125 DIA. X 60° INC. ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-1505-C	EN-125-60-S .125 DIA. X 60° INC. ENGRAVING TOOL	18.01	17.28	16.58	15.86
62	62-1510	EN-125-90-S .125 DIA. X 90° INC. ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-1510-C	EN-125-90-S .125 DIA. X 90° INC. ENGRAVING TOOL	18.01	17.28	16.58	15.86
62	62-1520	EN-187-40-S .187 DIA X 40° INC. ENGRAVING TOOL	19.80	19.00	18.21	17.42
62	62-1520-C	EN-187-40-S .187 DIA X 40° INC. ENGRAVING TOOL	23.09	22.17	21.25	20.32
62	62-1525	EN-187-60-S .187 DIA X 60° INC. ENGRAVING TOOL	19.80	19.00	18.21	17.42
62	62-1525-C	EN-187-60-S .187 DIA X 60° INC. ENGRAVING TOOL	23.09	22.27	21.25	20.32
62	62-1530	EN-187-90-S .187 DIA X 90° INC. ENGRAVING TOOL	19.80	19.00	18.21	17.42
62	62-1530-C	EN-187-90-S .187 DIA X 90° INC. ENGRAVING TOOL	23.09	22.17	21.25	20.32
62	62-1540	EN-250-40-S .250 DIA X 40° INC. ENGRAVING TOOL	23.02	22.09	21.17	20.26
62	62-1540-C	EN-250-40-S .250 DIA X 40° INC. ENGRAVING TOOL	27.93	26.81	25.70	24.57
62	62-1545	EN-250-60-S .250 DIA X 60° INC. ENGRAVING TOOL	23.02	22.09	21.17	20.26
62	62-1545-C	EN-250-60-S .250 DIA X 60° INC. ENGRAVING TOOL	27.93	26.81	25.70	24.57
62	62-1550	EN-250-90-S .250 DIA X 90° INC. ENGRAVING TOOL	23.02	22.09	21.17	20.26
62	62-1550-C	EN-250-90-S .250 DIA X 90° INC. ENGRAVING TOOL	27.93	26.81	25.70	24.57
62	62-1600	.125 DIA. X 40° INC. SPIRAL ENGRAVING TOOL	16.99	16.31	15.65	15.02
62	62-1600-C	.125 DIA. X 40° INC. SPIRAL ENGRAVING TOOL	18.58	17.84	17.12	16.44
62	62-1605	.125 DIA. X 60° INC. SPIRAL ENGRAVING TOOL	16.99	16.31	15.65	15.02
62	62-1605-C	.125 DIA. X 60° INC. SPIRAL ENGRAVING TOOL	18.58	17.84	17.12	16.44
62	62-1610	.125 DIA. X 90° INC. SPIRAL ENGRAVING TOOL	16.99	16.31	15.65	15.02
62	62-1610-C	.125 DIA. X 90° INC. SPIRAL ENGRAVING TOOL	18.58	17.84	17.12	16.44
62	62-1615	.187 DIA X 40° INC. SPIRAL ENGRAVING TOOL	20.79	19.97	19.17	18.40
62	62-1615-C	.187 DIA X 40° INC. SPIRAL ENGRAVING TOOL	23.10	22.18	21.29	20.43
62	62-1620	.187 DIA X 60° INC. SPIRAL ENGRAVING TOOL	20.79	19.97	19.17	18.40
62	62-1620-C	.187 DIA X 60° INC. SPIRAL ENGRAVING TOOL	23.10	22.18	21.29	20.43
62	62-1625	.187 DIA X 90° INC. SPIRAL ENGRAVING TOOL	20.79	19.97	19.17	18.40
62	62-1625-C	.187 DIA X 90° INC. SPIRAL ENGRAVING TOOL	23.10	22.18	21.29	20.43
62	62-1630	.250 DIA X 40° INC. SPIRAL ENGRAVING TOOL	24.16	23.25	22.27	21.37
62	62-1630-C	.250 DIA X 40° INC. SPIRAL ENGRAVING TOOL	27.38	26.28	25.23	24.22

62	62-1635	.250 DIA X 60° INC. SPIRAL ENGRAVING TOOL	24.16	23.25	22.27	21.37
62	62-1635-C	.250 DIA X 60° INC. SPIRAL ENGRAVING TOOL	27.38	26.28	25.23	24.22
62	62-1640	.250 DIA X 90° INC. SPIRAL ENGRAVING TOOL	24.16	23.25	22.27	21.37
62	62-1640-C	.250 DIA X 90° INC. SPIRAL ENGRAVING TOOL	27.38	26.28	25.23	24.22
62	62-1800	XEN-125-40 .125 DIA. X 40° INC. ENGRAVING TOOL	19.63	18.88	18.13	17.37
62	62-1800-C	XEN-125-40 .125 DIA. X 40° INC. ENGRAVING TOOL	22.55	21.65	20.76	19.85
62	62-1805	XEN-125-60 .125 DIA. X 60° INC. ENGRAVING TOOL	19.63	18.88	18.13	17.37
62	62-1805-C	XEN-125-60 .125 DIA. X 60° INC. ENGRAVING TOOL	22.55	21.65	20.76	19.85
62	62-1810	XEN-125-90 .125 DIA. X 90° INC. ENGRAVING TOOL	19.63	18.88	18.13	17.37
62	62-1810-C	XEN-125-90 .125 DIA. X 90° INC. ENGRAVING TOOL	22.55	21.65	20.76	19.85
62	62-1815	XEN-125-120 .125 DIA. X 120° INC. ENGRAVING TOOL	19.63	18.88	18.13	17.37
62	62-1815-C	XEN-125-120 .125 DIA. X 120° INC. ENGRAVING TOOL	22.55	21.65	20.76	19.85
62	62-1820	XEN-187-40 .187 DIA X 40° INC. ENGRAVING TOOL	23.85	22.93	22.02	21.09
62	62-1820-C	XEN-187-40 .187 DIA X 40° INC. ENGRAVING TOOL	32.15	31.21	29.58	28.29
62	62-1825	XEN-187-60 .187 DIA X 60° INC. ENGRAVING TOOL	23.85	22.93	22.02	21.09
62	62-1825-C	XEN-187-60 .187 DIA X 60° INC. ENGRAVING TOOL	32.15	30.86	29.58	28.29
62	62-1830	XEN-187-90 .187 DIA X 90° INC. ENGRAVING TOOL	23.85	22.93	22.02	21.09
62	62-1830-C	XEN-187-90 .187 DIA X 90° INC. ENGRAVING TOOL	32.15	30.86	29.58	28.29
62	62-1835	XEN-187-120 .187 DIA X 120° INC. ENGRAVING TOOL	23.85	22.93	22.02	21.09
62	62-1835-C	XEN-187-120 .187 DIA X 120° INC. ENGRAVING TOOL	32.15	30.86	29.58	28.29
62	62-1840	XEN-250-40 .250 DIA X 40° INC. ENGRAVING TOOL	25.89	24.89	23.90	22.91
62	62-1840-C	XEN-250-40 .250 DIA X 40° INC. ENGRAVING TOOL	38.09	36.57	35.04	33.53
62	62-1845	XEN-250-60 .250 DIA X 60° INC. ENGRAVING TOOL	25.89	24.89	23.90	22.91
62	62-1845-C	XEN-250-60 .250 DIA X 60° INC. ENGRAVING TOOL	38.09	36.57	35.04	33.53
62	62-1850	XEN-250-90 .250 DIA X 90° INC. ENGRAVING TOOL	25.89	24.89	23.90	22.91
62	62-1850-C	XEN-250-90 .250 DIA X 90° INC. ENGRAVING TOOL	38.09	36.57	35.04	33.53
62	62-1855	XEN-250-120 .250 DIA X 120° INC. ENGRAVING TOOL	25.89	24.89	23.90	22.91
62	62-1855-C	XEN-250-120 .250 DIA X 120° INC. ENGRAVING TOOL	38.09	36.57	35.04	33.53
62	62-2200	.125 DIA. X 30° INC. .005 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2200-C	.125 DIA. X 30° INC. .005 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2205	.125 DIA. X 30° INC. .010 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2205-C	.125 DIA. X 30° INC. .010 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2210	.125 DIA. X 30° INC. .015 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2210-C	.125 DIA. X 30° INC. .015 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2215	.125 DIA. X 30° INC. .020 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2215-C	.125 DIA. X 30° INC. .020 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2220	.125 DIA. X 40° INC. .005 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2220-C	.125 DIA. X 40° INC. .005 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13

62	62-2225	.125 DIA. X 40° INC. .010 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2225-C	.125 DIA. X 40° INC. .010 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2230	.125 DIA. X 40° INC. .015 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2230-C	.125 DIA. X 40° INC. .015 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2235	.125 DIA. X 40° INC. .020 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2235-C	.125 DIA. X 40° INC. .020 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2240	.125 DIA. X 60° INC. .005 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2240-C	.125 DIA. X 60° INC. .005 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2250	.125 DIA. X 60° INC. .010 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2250-C	.125 DIA. X 60° INC. .010 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2260	.125 DIA. X 60° INC. .015 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2260-C	.125 DIA. X 60° INC. .015 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2270	.125 DIA. X 60° INC. .020 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2270-C	.125 DIA. X 60° INC. .020 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2280	.125 DIA. X 90° INC. .005 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2280-C	.125 DIA. X 90° INC. .005 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2290	.125 DIA. X 90° INC. .010 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2290-C	.125 DIA. X 90° INC. .010 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2300	.125 DIA. X 90° INC. .015 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2300-C	.125 DIA. X 90° INC. .015 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2310	.125 DIA. X 90° INC. .020 RAD TIP ENGRAVING TOOL	17.79	17.08	16.40	15.74
62	62-2310-C	.125 DIA. X 90° INC. .020 RAD TIP ENGRAVING TOOL	19.38	18.60	17.87	17.13
62	62-2400	.125 DIA. X 40° INC. CHISEL ENGRAVING TOOL	15.37	14.75	14.16	13.60
62	62-2400-C	.125 DIA. X 40° INC. CHISEL ENGRAVING TOOL	16.96	16.28	15.63	15.00
62	62-2405	.125 DIA. X 60° INC. CHISEL ENGRAVING TOOL	15.37	14.75	14.16	13.60
62	62-2405-C	.125 DIA. X 60° INC. CHISEL ENGRAVING TOOL	16.96	16.28	15.63	15.00
62	62-2410	.125 DIA. X 90° INC. CHISEL ENGRAVING TOOL	15.37	14.75	14.16	13.60
62	62-2410-C	.125 DIA. X 90° INC. CHISEL ENGRAVING TOOL	16.96	16.28	15.63	15.00
62	62-2415	.187 DIA X 40° INC. CHISEL ENGRAVING TOOL	18.81	18.05	17.34	16.65
62	62-2415-C	.187 DIA X 40° INC. CHISEL ENGRAVING TOOL	21.12	20.27	19.46	18.68
62	62-2420	.187 DIA X 60° INC. CHISEL ENGRAVING TOOL	18.81	18.05	17.34	16.65
62	62-2420-C	.187 DIA X 60° INC. CHISEL ENGRAVING TOOL	21.12	20.27	19.46	18.68
62	62-2425	.187 DIA X 90° INC. CHISEL ENGRAVING TOOL	18.81	18.05	17.34	16.65
62	62-2425-C	.187 DIA X 90° INC. CHISEL ENGRAVING TOOL	21.12	20.27	19.46	18.68
62	62-2430	.250 DIA X 40° INC. CHISEL ENGRAVING TOOL	21.87	20.99	20.15	19.34
62	62-2430-C	.250 DIA X 40° INC. CHISEL ENGRAVING TOOL	25.08	24.08	23.11	22.19
62	62-2435	.250 DIA X 60° INC. CHISEL ENGRAVING TOOL	21.87	20.99	20.15	19.34
62	62-2435-C	.250 DIA X 60° INC. CHISEL ENGRAVING TOOL	25.08	24.08	23.11	22.19

62	62-2440	.250 DIA X 90° INC. CHISEL ENGRAVING TOOL	21.87	20.99	20.15	19.34
62	62-2440-C	.250 DIA X 90° INC. CHISEL ENGRAVING TOOL	25.08	24.08	23.11	22.19
62	62-2600	.125 DIA. X 30° INC. 2 FLUTE ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-2600-C	.125 DIA. X 30° INC. 2 FLUTE ENGRAVING TOOL	17.77	17.06	16.38	15.73
62	62-2605	.187 DIA X 30° INC. 2 FLUTE ENGRAVING TOOL	19.80	19.00	18.21	17.42
62	62-2605-C	.187 DIA X 30° INC. 2 FLUTE ENGRAVING TOOL	22.12	21.23	20.38	19.57
62	62-2610	.250 DIA X 30° INC. 2 FLUTE ENGRAVING TOOL	23.02	22.09	21.17	20.26
62	62-2610-C	.250 DIA X 30° INC. 2 FLUTE ENGRAVING TOOL	26.23	25.18	24.17	23.20
62	62-2615	.125 DIA. X 60° INC. 2 FLUTE ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-2615-C	.125 DIA. X 60° INC. 2 FLUTE ENGRAVING TOOL	17.77	17.06	16.38	15.73
62	62-2620	.125 DIA. X 60° INC. 2 FLUTE ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-2620-C	.125 DIA. X 60° INC. 2 FLUTE ENGRAVING TOOL	17.77	17.06	16.38	15.73
62	62-2625	.187 DIA X 60° INC. 2 FLUTE ENGRAVING TOOL	19.80	19.00	18.21	17.42
62	62-2625-C	.187 DIA X 60° INC. 2 FLUTE ENGRAVING TOOL	22.12	21.23	20.38	19.57
62	62-2630	.250 DIA X 60° INC. 2 FLUTE ENGRAVING TOOL	23.02	22.09	21.17	20.26
62	62-2630-C	.250 DIA X 60° INC. 2 FLUTE ENGRAVING TOOL	26.23	25.18	24.17	23.20
62	62-2635	.125 DIA. X 90° INC. 2 FLUTE ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-2635-C	.125 DIA. X 90° INC. 2 FLUTE ENGRAVING TOOL	17.77	17.06	16.38	15.73
62	62-2640	.125 DIA. X 90° INC. 2 FLUTE ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-2640-C	.125 DIA. X 90° INC. 2 FLUTE ENGRAVING TOOL	17.77	17.06	16.38	15.73
62	62-2650	.187 DIA X 90° INC. 2 FLUTE ENGRAVING TOOL	19.80	19.00	18.21	17.42
62	62-2650-C	.187 DIA X 90° INC. 2 FLUTE ENGRAVING TOOL	22.12	21.23	20.38	19.57
62	62-2660	.250 DIA X 90° INC. 2 FLUTE ENGRAVING TOOL	23.02	22.09	21.17	20.26
62	62-2660-C	.250 DIA X 90° INC. 2 FLUTE ENGRAVING TOOL	26.23	25.18	24.17	23.20
62	62-2670	.125 DIA. X 120° INC. 2 FLUTE ENGRAVING TOOL	16.18	15.53	14.88	14.24
62	62-2670-C	.125 DIA. X 120° INC. 2 FLUTE ENGRAVING TOOL	17.77	17.06	16.38	15.73
62	62-2680	.187 DIA X 120° INC. 2 FLUTE ENGRAVING TOOL	19.80	19.00	18.21	17.42
62	62-2680-C	.187 DIA X 120° INC. 2 FLUTE ENGRAVING TOOL	22.12	21.23	20.38	19.57
62	62-2690	.250 DIA X 120° INC. 2 FLUTE ENGRAVING TOOL	23.02	22.09	21.17	20.26
62	62-2690-C	.250 DIA X 120° INC. 2 FLUTE ENGRAVING TOOL	26.23	25.18	24.17	23.20
62	62-8000	.125 X .015 RAD MAX ENGRAVING TOOL	25.02	24.02	23.06	22.14
62	62-8010	.125 DIA X 60° INC X .030 RAD DBL END MAX ENGRAVING TOOL	25.02	24.02	23.06	22.14
62	62-8020	.125 DIA X 60° INC X .045 RAD DBL END MAX ENGRAVING TOOL	25.02	24.02	23.06	22.14
62	62-8030	.187 DIA X 60° INC. X .015 RAD MAX ENGRAVING TOOL W/ ALTIN	31.44	30.18	28.97	27.82
62	62-8040	.187 DIA X 60° INC. X .030 RAD MAX ENGRAVING TOOL W/ ALTIN	31.44	30.18	28.97	27.82
62	62-8050	.187 DIA X 60° INC. X .045 RAD MAX ENGRAVING TOOL W/ ALTIN	31.44	30.18	28.97	27.82
62	62-8100	.125 DIA X 90° INCL X .015 RAD MAX ENGRAVING TOOL	25.02	24.02	23.06	22.14
62	62-8110	.125 DIA X 90° INC X .030 RAD DBL END MAX ENGRAVING TOOL	25.02	24.02	23.06	22.14

62	62-8120	.125 DIA X 90° INC X .045 RAD DBL END MAX ENGRAVING TOOL	25.02	24.02	23.06	22.14
62	62-8130	.187 DIA X 90° INC. X .015 RAD MAX ENGRAVING TOOL W/ ALTIN	31.44	30.18	28.97	27.82
62	62-8140	.187 DIA X 90° INC. X .030 RAD MAX ENGRAVING TOOL W/ ALTIN	31.44	30.18	28.97	27.82
62	62-8150	.187 DIA X 90° INC. X .045 RAD MAX ENGRAVING TOOL W/ ALTIN	31.44	30.18	28.97	27.82
62	62-8300	.125 DIA X 60° INC. X .015 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	32.54	31.24	29.99	28.80
62	62-8310	.125 DIA X 60° INC. X .030 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	32.54	31.24	29.99	28.80
62	62-8320	.125 DIA X 60° INC. X .045 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	32.54	31.24	29.99	28.80
62	62-8330	.187 DIA X 60° INC. X .015 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	36.98	36.12	34.03	32.55
62	62-8340	.187 DIA X 60° INC. X .030 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	36.98	36.12	34.03	32.55
62	62-8350	.187 DIA X 60° INC. X .030 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	36.98	36.12	34.03	32.55
62	62-8400	.125 DIA X 90° INC. X .015 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	32.54	31.24	29.99	28.80
62	62-8410	.125 DIA X 90° INC. X .030 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	32.54	31.24	29.99	28.80
62	62-8420	.125 DIA X 90° INC. X .045 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	32.54	31.24	29.99	28.80
62	62-8430	.187 DIA X 90° INC. X .015 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	36.98	35.50	34.03	32.55
62	62-8440	.187 DIA X 90° INC. X .030 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	36.98	35.50	34.03	32.55
62	62-8450	.187 DIA X 90° INC. X .045 RAD DBL END MAX ENGRAVING TOOL W/ ALTIN	36.98	35.50	34.03	32.55
63	63-3000	CS-250-60 60° X .250 DIA. 6 FLUTE COUNTERSINK	40.45	38.89	37.35	35.79
63	63-3000-C	CS-250-60 60° X .250 DIA. 6 FLUTE COUNTERSINK	46.64	45.08	43.53	41.97
63	63-3100	CS-250-82 82° X .250 DIA. 6 FLUTE COUNTERSINK	40.45	38.89	37.35	35.79
63	63-3100-C	CS-250-82 82° X .250 DIA. 6 FLUTE COUNTERSINK	46.64	45.08	43.53	41.97
63	63-3200	CS-250-90 90° X .250 DIA. 6 FLUTE COUNTERSINK	40.45	38.89	37.35	35.79
63	63-3200-C	CS-250-90 90° X .250 DIA. 6 FLUTE COUNTERSINK	46.64	45.08	43.53	41.97
63	63-5000	CS-375-60 60° X .375 DIA. 6 FLUTE COUNTERSINK	61.22	58.87	56.51	54.16
63	63-5000-C	CS-375-60 60° X .375 DIA. 6 FLUTE COUNTERSINK	70.09	67.75	65.38	63.02
63	63-5100	CS-375-82 82° X .375 DIA. 6 FLUTE COUNTERSINK	61.22	58.87	56.51	54.16
63	63-5100-C	CS-375-82 82° X .375 DIA. 6 FLUTE COUNTERSINK	70.09	67.75	65.38	63.02
63	63-5200	CS-375-90 90° X .375 DIA. 6 FLUTE COUNTERSINK	61.22	58.87	56.51	54.16
63	63-5200-C	CS-375-90 90° X .375 DIA. 6 FLUTE COUNTERSINK	70.44	68.10	65.74	63.38
63	63-6000	CS-500-60 60° X .500 DIA. 6 FLUTE COUNTERSINK	82.85	79.68	76.49	73.30
63	63-6000-C	CS-500-60 60° X .500 DIA. 6 FLUTE COUNTERSINK	97.42	94.25	91.06	87.87
63	63-6100	CS-500-82 82° X .500 DIA. 6 FLUTE COUNTERSINK	82.85	79.68	76.49	73.30
63	63-6100-C	CS-500-82 82° X .500 DIA. 6 FLUTE COUNTERSINK	97.42	94.25	91.06	87.87
63	63-6200	CS-500-90 90° X .500 DIA. 6 FLUTE COUNTERSINK	82.85	79.68	76.49	73.30
63	63-6200-C	CS-500-90 90° X .500 DIA. 6 FLUTE COUNTERSINK	97.42	94.25	91.06	87.87
64	64-1115	2F DBL 160° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1115-C	2F DBL 160° X .125 DIA CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-1120	2F DBL 160° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1120-C	2F DBL 160° X .187 DIA CHAMFER MILL	34.54	33.15	31.83	30.56

64	64-1125	2F DBL 160° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1125-C	2F DBL 160° X .250 DIA CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1130	2F DBL 160° X .312 DIA CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1130-C	2F DBL 160° X .312 DIA CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1135	2F DBL 160° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1135-C	2F DBL 160° X .375 DIA CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-1140	2F DBL 160° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1140-C	2F DBL 160° X .500 DIA CHAMFER MILL	92.69	89.59	85.47	81.87
64	64-1145	2F DBL 150° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1145-C	2F DBL 150° X .125 DIA CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-1150	2F DBL 150° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1150-C	2F DBL 150° X .187 DIA CHAMFER MILL	34.54	33.15	31.83	30.56
64	64-1155	2F DBL 150° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1155-C	2F DBL 150° X .250 DIA CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1160	2F DBL 150° X .312 DIA CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1160-C	2F DBL 150° X .312 DIA CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1165	2F DBL 150° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1165-C	2F DBL 150° X .375 DIA CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-1170	2F DBL 150° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1170-C	2F DBL 150° X .500 DIA CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-1175	2F DBL 120° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1175-C	2F DBL 120° X .125 ALTIN COATED CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-1180	2F DBL 120° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1180-C	2F DBL 120° X .187 ALTIN COATED CHAMFER MILL	34.54	33.15	31.83	30.56
64	64-1200	2F DBL 120° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1200-C	2F DBL 120° X .250 ALTIN COATED CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1203	2F DBL 120° X .312 DIA CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1203-C	2F DBL 120° X .312 ALTIN COATED CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1205	2F DBL 120° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1205-C	2F DBL 120° X .375 ALTIN COATED CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-1210	2F DBL 120° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1210-C	2F DBL 120° X .500 ALTIN COATED CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-1211	2F DBL 120° X .625 DIA CHAMFER MILL	89.87	86.37	82.87	79.37
64	64-1211-C	2F DBL 120° X .625 ALTIN COATED CHAMFER MILL	106.48	102.34	98.21	94.07
64	64-1212	2F DBL 90° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1212-C	2F DBL 90° X .125 ALTIN COATED CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-1213	2F DBL 90° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1213-C	2F DBL 90° X .187 ALTIN COATED CHAMFER MILL	34.54	33.15	31.83	30.56

64	64-1215	2F DBL 90° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1215-C	2F DBL 90° X .250 ALTIN COATED CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1217	2F DBL 90° X .312 DIA CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1217-C	2F DBL 90° X .312 ALTIN COATED CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1220	2F DBL 90° X .375 CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1220-C	2F DBL 90° X .375 ALTIN COATED CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-1224	2F DBL 82° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1224-C	2F DBL 82° X .125 ALTIN COATED CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-1225	2F DBL 90° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1225-C	2F DBL 90° X .500 ALTIN COATED CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-1226	2F DBL 90° X .625 DIA CHAMFER MILL	89.87	86.37	82.87	79.37
64	64-1226-C	2F DBL 90° X .625 ALTIN COATED CHAMFER MILL	106.48	102.34	98.21	94.07
64	64-1227	2F DBL 82° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1227-C	2F DBL 82° X .187 ALTIN COATED CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-1229	2F DBL 90° X .750 DIA CHAMFER MILL	108.83	104.44	100.04	95.65
64	64-1229-C	2F DBL 90° X .750 DIA CHAMFER MILL	143.03	137.27	131.50	125.74
64	64-1230	2F DBL 82° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1230-C	2F DBL 82° X .250 ALTIN COATED CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1231	2F DBL 90° X 1.000 DIA CHAMFER MILL	169.55	162.73	155.89	149.08
64	64-1231-C	2F DBL 90° X 1.000 DIA CHAMFER MILL	216.02	207.33	198.65	189.96
64	64-1232	2F DBL 82° X .312 CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1232-C	2F DBL 82° X .312 ALTIN COATED CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1235	2F DBL 82° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1235-C	2F DBL 82° X .375 ALTIN COATED CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-1239	2F DBL 60° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1239-C	2F DBL 60° X .125 ALTIN COATED CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-1240	2F DBL 82° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1240-C	2F DBL 82° X .500 ALTIN COATED CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-1241	2F DBL 82° X .625 DIA CHAMFER MILL	89.87	86.37	82.87	79.37
64	64-1241-C	2F DBL 82° X .625 ALTIN COATED CHAMFER MILL	106.48	102.34	98.21	94.07
64	64-1242	2F DBL 60° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1242-C	2F DBL 60° X .187 ALTIN COATED CHAMFER MILL	34.54	33.15	31.83	30.56
64	64-1245	2F DBL 60° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1245-C	2F DBL 60° X .250 ALTIN COATED CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1247	2F DBL 60° X .312 CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1247-C	2F DBL 60° X .312 ALTIN COATED CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1250	2F DBL 60° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1250-C	2F DBL 60° X .375 ALTIN COATED CHAMFER MILL	60.10	57.76	55.40	53.04

64	64-1255	2F DBL 60° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1255-C	2F DBL 60° X .500 ALTIN COATED CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-1260	2F DBL 60° X .625 DIA CHAMFER MILL	89.87	86.37	82.87	79.37
64	64-1260-C	2F DBL 60° X .625 ALTIN COATED CHAMFER MILL	106.48	102.34	98.21	94.07
64	64-1330	4F DBL 160° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1330-C	4F DBL 160° X .125 DIA CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-1335	4F DBL 160° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1335-C	4F DBL 160° X .187 DIA CHAMFER MILL	34.54	33.15	31.83	30.56
64	64-1340	4F DBL 160° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1340-C	4F DBL 160° X .250 DIA CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1345	4F DBL 160° X .312 DIA CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1345-C	4F DBL 160° X .312 DIA CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1350	4F DBL 160° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1350-C	4F DBL 160° X .375 DIA CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-1355	4F DBL 160° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1355-C	4F DBL 160° X .500 DIA CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-1360	4F DBL 150° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1360-C	4F DBL 150° X .125 DIA CHAMFER MILL	28.29	27.16	26.08	22.23
64	64-1365	4F DBL 150° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1365-C	4F DBL 150° X .187 DIA CHAMFER MILL	34.54	33.15	31.83	30.56
64	64-1370	4F DBL 150° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1370-C	4F DBL 150° X .250 DIA CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1375	4F DBL 150° X .312 DIA CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1375-C	4F DBL 150° X .312 DIA CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1380	4F DBL 150° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1380-C	4F DBL 150° X .375 DIA CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-1385	4F DBL 150° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1385-C	4F DBL 150° X .500 DIA CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-1390	4F DBL 120° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1390-C	4F DBL 120° X .125 ALTIN COATED CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-1395	4F DBL 120° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1395-C	4F DBL 120° X .187 ALTIN COATED CHAMFER MILL	34.54	33.15	31.83	30.56
64	64-1400	4F DBL 120° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1400-C	4F DBL 120° X .250 ALTIN COATED CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1403	4F DBL 120° X .312 DIA CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1403-C	4F DBL 120° X .312 ALTIN COATED CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1405	4F DBL 120° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1405-C	4F DBL 120° X .375 ALTIN COATED CHAMFER MILL	60.10	57.76	55.40	53.04

64	64-1410	4F DBL 120° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1410-C	4F DBL 120° X .500 ALTIN COATED CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-1411	4F DBL 120° X .625 DIA CHAMFER MILL	89.87	86.37	82.87	79.37
64	64-1411-C	4F DBL 120° X .625 ALTIN COATED CHAMFER MILL	106.48	102.34	98.21	94.07
64	64-1412	4F DBL 90° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1412-C	4F DBL 90° X .125 ALTIN COATED CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-1413	4F DBL 90° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1413-C	4F DBL 90° X .187 ALTIN COATED CHAMFER MILL	34.54	33.15	31.83	30.56
64	64-1415	4F DBL 90° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1415-C	4F DBL 90° X .250 ALTIN COATED CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1417	4F DBL 90° X .312 DIA CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1417-C	4F DBL 90° X .312 ALTIN COATED CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1420	4F DBL 90° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1420-C	4F DBL 90° X .375 ALTIN COATED CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-1424	4F DBL 82° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1424-C	4F DBL 82° X .125 ALTIN COATED CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-1425	4F DBL 90° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1425-C	4F DBL 90° X .500 ALTIN COATED CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-1426	4F DBL 90° X .625 DIA CHAMFER MILL	89.87	86.37	82.87	79.37
64	64-1426-C	4F DBL 90° X .625 ALTIN COATED CHAMFER MILL	106.48	102.34	98.21	94.07
64	64-1427	4F DBL 82° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1427-C	4F DBL 82° X .187 ALTIN COATED CHAMFER MILL	34.54	33.15	31.83	30.56
64	64-1429	4F DBL 90° X .750 DIA CHAMFER MILL	108.83	104.44	100.04	95.65
64	64-1429-C	4F DBL 90° X .750 DIA CHAMFER MILL	143.03	137.27	131.50	125.74
64	64-1430	4F DBL 82° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1430-C	4F DBL 82° X .250 ALTIN COATED CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1431	4F DBL 90° X 1.000 DIA CHAMFER MILL	169.55	162.73	155.89	149.08
64	64-1431-C	4F DBL 90° X 1.000 DIA CHAMFER MILL	216.02	207.33	198.65	189.96
64	64-1432	4F DBL 82° X .312 DIA CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1432-C	4F DBL 82° X .312 ALTIN COATED CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1435	4F DBL 82° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1435-C	4F DBL 82° X .375 ALTIN COATED CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-1439	4F DBL 60° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-1439-C	4F DBL 60° X .125 ALTIN COATED CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-1440	4F DBL 82° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1440-C	4F DBL 82° X .500 ALTIN COATED CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-1441	4F DBL 82° X .625 DIA CHAMFER MILL	89.87	86.37	82.87	79.37
64	64-1441-C	4F DBL 82° X .625 ALTIN COATED CHAMFER MILL	106.48	102.34	98.21	94.07

64	64-1442	4F DBL 60° X .187 CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-1442-C	4F DBL 60° X .187 ALTIN COATED CHAMFER MILL	34.54	33.15	31.83	30.56
64	64-1445	4F DBL 60° X .250 CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-1445-C	4F DBL 60° X .250 ALTIN COATED CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-1447	4F DBL 60° X .312 CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-1447-C	4F DBL 60° X .312 ALTIN COATED CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-1450	4F DBL 60° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-1450-C	4F DBL 60° X .375 ALTIN COATED CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-1455	4F DBL 60° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-1455-C	4F DBL 60° X .500 ALTIN COATED CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-1460	4F DBL 60° X .625 DIA CHAMFER MILL	89.87	86.37	82.87	79.37
64	64-1460-C	4F DBL 60° X .625 ALTIN COATED CHAMFER MILL	106.48	102.34	98.21	94.07
64	64-2200	2F DBL 100° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-2200-C	2F DBL 100° X .125 ALTIN COATED CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-2205	2F DBL 100° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-2205-C	2F DBL 100° X .187 ALTIN COATED CHAMFER MILL	34.54	33.15	31.83	30.56
64	64-2210	2F DBL 100° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-2210-C	2F DBL 100° X .250 ALTIN COATED CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-2215	2F DBL 100° X .312 DIA CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-2215-C	2F DBL 100° X .312 ALTIN COATED CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-2220	2F DBL 100° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-2220-C	2F DBL 100° X .375 ALTIN COATED CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-2225	2F DBL 100° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-2225-C	2F DBL 100° X .500 ALTIN COATED CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-2230	2F DBL 100° X .625 DIA CHAMFER MILL	89.87	86.37	82.87	79.37
64	64-2230-C	2F DBL 100° X .625 ALTIN COATED CHAMFER MILL	106.48	102.34	98.21	94.07
64	64-2740	2F SGL 150° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-2740-C	2F SGL 150° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-2750	2F SGL 150° X .187 DIA CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-2750-C	2F SGL 150° X .187 DIA CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-2760	2F SGL 150° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-2760-C	2F SGL 150° X .250 CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-2770	2F SGL 150° X .312 CHAMFER MILL	32.82	31.51	30.20	28.90
64	64-2770-C	2F SGL 150° X .312 CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-2780	2F SGL 150° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-2780-C	2F SGL 150° X .375 CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-2790	2F SGL 150° X .500 DIA SINGLE END CHAMFER	60.48	58.11	55.75	53.38
64	64-2790-C	2F SGL 150° X .500 DIA SINGLE END CHAMFER	71.43	68.64	65.85	63.06

64	64-2795	2F SGL 120° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-2795-C	2F SGL 120° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-2800	2F SGL 120° X .187 DIA CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-2800-C	2F SGL 120° X .187 ALTIN COATED CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-2810	2F SGL 120° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-2810-C	2F SGL 120° X .250 ALTIN COATED CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-2820	2F SGL 120° X .312 CHAMFER MILL	32.82	31.51	30.20	28.90
64	64-2820-C	2F SGL 120° X .312 ALTIN COATED CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-2830	2F SGL 120° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-2830-C	2F SGL 120° X .375 ALTIN COATED CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-2840	2F SGL 120° X .500 DIA SINGLE END CHAMFER	60.48	58.11	55.75	53.38
64	64-2840-C	2F SGL 120° X .500 ALTIN COATED CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-2845	2F SGL 90° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-2845-C	2F SGL 90° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-2850	2F SGL 90° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-2850-C	2F SGL 90° X .187 ALTIN COATED CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-2860	2F SGL 90° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-2860-C	2F SGL 90° X .250 ALTIN COATED CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-2870	2F SGL 90° X .312 CHAMFER MILL	32.82	31.51	30.20	28.90
64	64-2870-C	2F SGL 90° X .312 ALTIN COATED CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-2880	2F SGL 90° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-2880-C	2F SGL 90° X .375 ALTIN COATED CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-2890	2F SGL 90° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-2890-C	2F SGL 90° X .500 ALTIN CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-2892	2F SGL 82° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-2892-C	2F SGL 82° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-2894	2F SGL 82° X .187 DIA CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-2894-C	2F SGL 82° X .187 DIA CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-2895	2F SGL 82° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-2895-C	2F SGL 82° X .250 CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-2896	2F SGL 82° X .312 CHAMFER MILL	32.82	31.51	30.20	28.90
64	64-2896-C	2F SGL 82° X .312 CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-2897	2F SGL 82° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-2897-C	2F SGL 82° X .375 CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-2898	2F SGL 82° X .500 DIA SINGLE END CHAMFER	60.48	58.11	55.75	53.38
64	64-2898-C	2F SGL 82° X .500 DIA SINGLE END CHAMFER	71.43	68.64	65.85	63.06
64	64-2899	2F SGL 60° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-2899-C	2F SGL 60° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38

64	64-2900	2F SGL 60° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-2900-C	2F SGL 60° X .187 ALTIN CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-2910	2F SGL 60° X .250 CHAMFER MIL	26.33	25.28	24.22	23.16
64	64-2910-C	2F SGL 60° X .250 ALTIN CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-2920	2F SGL 60° X .312 CHAMFER MILL	32.82	31.51	30.20	28.90
64	64-2920-C	2F SGL 60° X .312 ALTIN CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-2930	2F SGL 60° X .375 CHAMFER MIL	38.78	37.24	35.70	34.17
64	64-2930-C	2F SGL 60° X .375 ALTIN CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-2940	2F SGL 60° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-2940-C	2F SGL 60° X .500 ALTIN CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-4400	4F DBL 100° X .125 DIA CHAMFER MILL	25.13	24.12	23.16	22.23
64	64-4400-C	4F DBL 100° X .125 ALTIN CHAMFER MILL	28.29	27.16	26.08	25.03
64	64-4405	4F DBL 100° X .187 DIA CHAMFER MILL	29.90	28.71	27.56	26.46
64	64-4405-C	4F DBL 100° X .187 ALTIN COATED DIA CHAMFER MILL	34.54	33.15	31.83	30.56
64	64-4410	4F DBL 100° X .250 DIA CHAMFER MILL	34.34	32.98	31.62	30.25
64	64-4410-C	4F DBL 100° X .250 ALTIN COATED CHAMFER MILL	44.08	42.33	40.59	38.86
64	64-4415	4F DBL 100° X .312 DIA CHAMFER MILL	48.33	46.42	44.53	42.63
64	64-4415-C	4F DBL 100° X .312 ALTIN COATED CHAMFER MILL	57.04	54.80	52.57	50.33
64	64-4420	4F DBL 100° X .375 DIA CHAMFER MILL	53.16	51.07	48.99	46.90
64	64-4420-C	4F DBL 100° X .375 ALTIN COATED CHAMFER MILL	60.10	57.76	55.40	53.04
64	64-4425	4F DBL 100° X .500 DIA CHAMFER MILL	74.87	71.95	69.03	66.11
64	64-4425-C	4F DBL 100° X .500 ALTIN COATED CHAMFER MILL	92.69	89.08	85.47	81.87
64	64-4430	4F DBL 100° X .625 CHAMFER MILL	89.87	86.37	82.87	79.37
64	64-4430-C	4F DBL 100° X .625 ALTIN COATED CHAMFER MILL	106.48	102.34	98.21	94.07
64	64-4730	4F SGL 150° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-4730-C	4F SGL 150° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-4740	4F SGL 150° X .187 DIA CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-4740-C	4F SGL 150° X .187 DIA CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-4750	4F SGL 150° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-4750-C	4F SGL 150° X .250 CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-4760	4F SGL 150° X .312 CHAMFER MILL	32.82	31.51	30.20	28.90
64	64-4760-C	4F SGL 150° X .312 CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-4780	4F SGL 150° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-4780-C	4F SGL 150° X .375 CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-4790	4F SGL 150° X .500 DIA SINGLE END CHAMFER	60.48	58.11	55.75	53.38
64	64-4790-C	4F SGL 150° X .500 DIA SINGLE END CHAMFER	71.43	68.64	65.85	63.06
64	64-4795	4F SGL 120° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-4795-C	4F SGL 120° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38

64	64-4800	4F SGL 120° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-4800-C	4F SGL 120 X .187 ALTIN CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-4810	4F SGL 120° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-4810-C	4F SGL 120° X .250 ALTIN CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-4820	4F SGL 120° X .312 CHAMFER MILL	32.80	31.51	30.20	28.90
64	64-4820-C	4F SGL 120° X .312 CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-4830	4F SGL 120° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-4830-C	4F SGL 120° X .375 ALTIN CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-4840	4F SGL 120° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-4840-C	4F SGL 120° X .500 ALTIN CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-4845	4F SGL 90° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-4845-C	4F SGL 90° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-4850	4F SGL 90° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-4850-C	4F SGL 90° X .187 ALTIN CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-4860	4F SGL 90° X .250 CHAMFER MILL	26.33	25.28	24.22	23.82
64	64-4860-C	4F SGL 90° X .250 ALTIN CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-4870	4F SGL 90° X .312 CHAMFER MILL	32.80	31.51	30.20	28.90
64	64-4870-C	4F SGL 90° X .312 ALTIN CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-4880	4F SGL 90° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-4880-C	4F SGL 90° X .375 ALTIN CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-4890	4F SGL 90° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-4890-C	4F SGL 90° X .500 ALTIN CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-4891	4F SGL 82° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-4891-C	4F SGL 82° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-4892	4F SGL 82° X .187 DIA CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-4892-C	4F SGL 82° X .187 DIA CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-4893	4F SGL 82° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-4893-C	4F SGL 82° X .250 CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-4894	4F SGL 82° X .312 CHAMFER MILL	32.80	31.51	30.20	28.90
64	64-4894-C	4F SGL 82° X .312 CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-4895	4F SGL 82° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-4895-C	4F SGL 82° X .375 CHAMFER MILL	48.10	46.21	44.31	42.45
64	64-4896	4F SGL 82° X .500 DIA SINGLE END CHAMFER	60.48	58.11	55.75	53.38
64	64-4896-C	4F SGL 82° X .500 DIA SINGLE END CHAMFER	71.43	68.64	65.85	63.06
64	64-4898	4F SGL 60° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-4898-C	4F SGL 60° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-4900	4F SGL 60° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-4900-C	4F SGL 60° X .187 ALTIN CHAMFER MILL	26.34	25.28	24.27	23.30

64	64-4910	4F SGL 60° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-4910-C	4F SGL 60° X .250 ALTIN CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-4920	4F SGL 60° X .312 CHAMFER MI LL	32.80	31.51	30.20	28.90
64	64-4920-C	4F SGL 60° X .312 ALTIN CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-4930	4F SGL 60° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-4930-C	4F SGL 60° X .375 ALTIN CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-4940	4F SGL 60° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-4940-C	4F SGL 60° X .500 ALTIN CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-6800	2F SGL 120° X .187 LONG CHAMFER MILL	27.94	26.81	25.70	24.58
64	64-6800-C	2F SGL 120° X .187 ALTIN LONG CHAMFER MI	32.79	31.50	30.19	28.89
64	64-6810	2F SGL 120° X .250 LONG CHAMFER MILL	33.84	32.49	31.15	29.81
64	64-6810-C	2F SGL 120° X .250 ALTIN LONG CHAMFER MI LL	36.68	35.23	33.77	32.32
64	64-6820	2F SGL 120° X .312 LONG CHAMFER MILL	36.05	34.62	33.19	31.77
64	64-6820-C	2F SGL 120° X .312 ALTIN LONG CHAMFER MI LL	44.77	43.00	41.24	39.48
64	64-6830	2F SGL 120° X .375 LONG CHAMFER MILL	42.28	40.60	38.94	37.27
64	64-6830-C	2F SGL 120° X .375 ALTIN LONG CHAMFER MI LL	51.60	49.57	47.55	45.51
64	64-6840	2F SGL 120° X .500 LONG CHAMFER MILL	66.72	64.12	61.50	58.89
64	64-6840-C	2F SGL 120° X .500 ALTIN LONG CHAMFER MI LL	77.67	74.63	71.60	68.57
64	64-6850	2F SGL 90° X .187 LONG CHAMFER MILL	27.94	26.81	25.70	24.58
64	64-6850-C	2F SGL 90° X .187 ALTIN LONG CHAMFER MI LL	32.79	31.50	30.19	28.89
64	64-6860	2F SGL 90° X .250 LONG CHAMFER MILL	33.84	32.49	31.15	29.81
64	64-6860-C	2F SGL 90° X .250 ALTIN LONG CHAMFER MI LL	36.68	35.23	33.77	32.32
64	64-6870	2F SGL 90° X .312 LONG CHAMFER MILL	36.05	34.62	33.19	31.77
64	64-6870-C	2F SGL 90° X .312 ALTIN LONG CHAMFER MI LL	44.77	43.00	41.24	39.48
64	64-6880	2F SGL 90° X .375 LONG CHAMFER MILL	42.28	40.60	38.94	37.27
64	64-6880-C	2F SGL 90° X .375 ALTIN LONG CHAMFER MI LL	51.60	49.57	47.55	45.51
64	64-6890	2F SGL 90° X .500 LONG CHAMFER MILL	66.72	64.12	61.50	58.89
64	64-6890-C	2F SGL 90° X .500 ALTIN LONG CHAMFER MI LL	77.67	74.63	71.60	68.57
64	64-6900	2F SGL 60° X .187 LONG CHAMFER MILL	27.94	26.81	25.70	24.58
64	64-6900-C	2F SGL 60° X .187 ALTIN LONG CHAMFER MI LL	32.79	31.50	30.19	28.89
64	64-6910	2F SGL 60° X .250 LONG CHAMFER MILL	33.84	32.49	31.15	29.81
64	64-6910-C	2F SGL 60° X .250 ALTIN LONG CHAMFER MI LL	36.68	35.23	33.77	32.32
64	64-6920	2F SGL 60° X .312 LONG CHAMFER MILL	36.05	34.62	33.19	31.77
64	64-6920-C	2F SGL 60° X .312 ALTIN LONG CHAMFER MI LL	44.77	43.00	41.24	39.48
64	64-6930	2F SGL 60° X .375 LONG CHAMFER MILL	42.28	40.60	38.94	37.27
64	64-6930-C	2F SGL 60° X .375 ALTIN LONG CHAMFER MILL	51.60	49.57	47.55	45.51
64	64-6940	2F SGL 60° X .500 DIA LONG CHAMFER MILL	66.72	64.12	61.50	58.89
64	64-6940-C	2F SGL 60° X .500 ALTIN LONG CHAMFER MI LL	77.67	74.63	71.60	68.57

64	64-7210	2F SGL 50° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-7210-C	2F SGL 50° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-7215	2F SGL 50° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-7215-C	2F SGL 50° X .187 CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-7220	2F SGL 50° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-7220-C	2F SGL 50° X .250 CHAMFER MIL	31.19	29.95	28.71	27.46
64	64-7225	2F SGL 50° X .312 CHAMFER MILL	32.80	31.51	30.20	28.90
64	64-7225-C	2F SGL 50° X .312 CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-7230	2F SGL 50° X .375 CHAMFER MIL	38.78	37.24	35.69	34.17
64	64-7230-C	2F SGL 50° X .375 CHAMFER MILL	48.10	46.21	44.31	34.17
64	64-7235	2F SGL 50° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-7235-C	2F SGL 50° X .500 CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-7237	2F SGL 45° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-7237-C	2F SGL 45° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-7238	2F SGL 45° X .187 CHAMFER MILL	25.01	24.00	23.01	22.00
64	64-7238-C	2F SGL 45° X .187 CHAMFER MILL	27.85	26.74	25.62	24.51
64	64-7240	2F SGL 45° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-7240-C	2F SGL 45° X .250 CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-7245	2F SGL 45° X .312 CHAMFER MILL	32.80	31.51	30.20	28.90
64	64-7245-C	2F SGL 45° X .312 CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-7250	2F SGL 45° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-7250-C	2F SGL 45° X .375 CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-7255	2F SGL 45° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-7255-C	2F SGL 45° X .500 CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-7257	2F SGL 40° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-7257-C	2F SGL 40° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-7258	2F SGL 40° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-7258-C	2F SGL 40° X .187 CHAMFER MILL	26.34	25.28	24.27	23.26
64	64-7260	2F SGL 40° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-7260-C	2F SGL 40° X .250 CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-7265	2F SGL 40° X .312 CHAMFER MILL	32.80	31.51	30.20	28.90
64	64-7265-C	2F SGL 40° X .312 CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-7270	2F SGL 40° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-7270-C	2F SGL 40° X .375 CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-7275	2F SGL 40° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-7275-C	2F SGL 40° X .500 CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-7280	2F SGL 30° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-7280-C	2F SGL 30° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38

64	64-7285	2F SGL 30° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-7285-C	2F SGL 30° X .187 CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-7290	2F SGL 30° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-7290-C	2F SGL 30° X .250 CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-7295	2F SGL 30° X .312 CHAMFER MILL	32.80	31.51	30.20	28.90
64	64-7295-C	2F SGL 30° X .312 CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-7300	2F SGL 30° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-7300-C	2F SGL 30° X .375 CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-7305	2F SGL 30° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-7305-C	2F SGL 30° X .500 CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-7380	4F SGL 50° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-7380-C	4F SGL 50° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-7390	4F SGL 50° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-7390-C	4F SGL 50° X .187 CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-7400	4F SGL 50° X .250 DIA CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-7400-C	4F SGL 50° X .250 DIA CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-7402	4F SGL 50° X .312 CHAMFER MILL	32.80	31.51	30.20	28.90
64	64-7402-C	4F SGL 50° X .312 CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-7410	4F SGL 50° X .375 DIA CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-7410-C	4F SGL 50° X .375 DIA CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-7415	4F SGL 50° X .500 DIA CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-7415-C	4F SGL 50° X .500 DIA CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-7416	4F SGL 45° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-7416-C	4F SGL 45° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-7418	4F SGL 45° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-7418-C	4F SGL 45° X .187 CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-7420	4F SGL 45° X .250 DIA CHAMFER MILL	26.33	25.28	24.79	23.16
64	64-7420-C	4F SGL 45° X .250 DIA CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-7425	4F SGL 45° X .312 CHAMFER MILL	32.80	31.51	30.20	28.90
64	64-7425-C	4F SGL 45° X .312 CHAMFER MILL	42.18	39.89	38.25	36.60
64	64-7430	4F SGL 45° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-7430-C	4F SGL 45° X .375 CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-7435	4F SGL 45° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-7435-C	4F SGL 45° X .500 CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-7438	4F SGL 40° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-7438-C	4F SGL 40° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-7439	4F SGL 40° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-7439-C	4F SGL 40° X .187 CHAMFER MILL	26.34	25.28	24.27	23.30

64	64-7440	4F SGL 40° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-7440-C	4F SGL 40° X .250 CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-7445	4F SGL 40° X .312 DIA CHAMFER MILL	32.80	31.51	30.20	28.90
64	64-7445-C	4F SGL 40° X .312 DIA CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-7450	4F SGL 40° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-7450-C	4F SGL 40° X .375 CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-7455	4F SGL 40° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-7455-C	4F SGL 40° X .500 CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-7460	4F SGL 30° X .125 DIA CHAMFER MILL	16.36	15.72	15.08	14.47
64	64-7460-C	4F SGL 30° X .125 DIA CHAMFER MILL	20.78	19.94	19.14	18.38
64	64-7465	4F SGL 30° X .187 CHAMFER MILL	21.83	20.95	20.11	19.31
64	64-7465-C	4F SGL 30° X .187 CHAMFER MILL	26.34	25.28	24.27	23.30
64	64-7470	4F SGL 30° X .250 CHAMFER MILL	26.33	25.28	24.22	23.16
64	64-7470-C	4F SGL 30° X .250 CHAMFER MILL	31.19	29.95	28.71	27.46
64	64-7475	4F SGL 30° X .312 CHAMFER MILL	32.80	31.51	30.20	28.90
64	64-7475-C	4F SGL 30° X .312 CHAMFER MILL	41.52	39.89	38.25	36.60
64	64-7480	4F SGL 30° X .375 CHAMFER MILL	38.78	37.24	35.70	34.17
64	64-7480-C	4F SGL 30° X .375 CHAMFER MILL	48.10	46.21	44.31	42.42
64	64-7485	4F SGL 30° X .500 CHAMFER MILL	60.48	58.11	55.75	53.38
64	64-7485-C	4F SGL 30° X .500 CHAMFER MILL	71.43	68.64	65.85	63.06
64	64-8800	4F SGL 120° X .187 LONG CHAMFER MILL	27.94	26.81	25.70	24.58
64	64-8800-C	4F SGL 120° X .187 ALTIN LONG CHAMFER MILL	32.79	31.50	30.19	28.89
64	64-8810	4F SGL 120° X .250 LONG CHAMFER MILL	33.84	32.49	31.15	29.81
64	64-8810-C	4F SGL 120° X .250 ALTIN LONG CHAMFER MILL	36.68	35.23	33.77	32.32
64	64-8820	4F SGL 120° X .312 LONG CHAMFER MILL	36.05	34.62	33.19	31.77
64	64-8820-C	4F SGL 120° X .312 ALTIN LONG CHAMFER MILL	44.77	43.00	41.24	39.48
64	64-8830	4F SGL 120° X .375 LONG CHAMFER MILL	42.28	40.60	38.94	37.27
64	64-8830-C	4F SGL 120° X .375 ALTIN LONG CHAMFER MILL	51.60	49.57	47.55	45.51
64	64-8840	4F SGL 120° X .500 LONG CHAMFER MILL	66.72	64.12	61.50	58.89
64	64-8840-C	4F SGL 120° X .500 ALTIN LONG CHAMFER MILL	77.67	74.63	71.60	68.57
64	64-8850	4F SGL 90° X .187 LONG CHAMFER MILL	27.94	26.81	25.70	24.58
64	64-8850-C	4F SGL 90° X .187 ALTIN LONG CHAMFER MILL	32.79	31.50	30.19	28.89
64	64-8860	4F SGL 90° X .250 LONG CHAMFER MILL	33.84	32.49	31.15	29.81
64	64-8860-C	4F SGL 90° X .250 ALTIN LONG CHAMFER MILL	36.68	35.23	33.77	32.32
64	64-8870	4F SGL 90° X .312 LONG CHAMFER MILL	36.05	34.62	33.19	31.77
64	64-8870-C	4F SGL 90° X .312 ALTIN LONG CHAMFER MILL	44.77	43.00	41.24	39.48
64	64-8880	4F SGL 90° X .375 LONG CHAMFER MILL	42.28	40.60	38.94	37.27
64	64-8880-C	4F SGL 90° X .375 ALTIN LONG CHAMFER MILL	51.60	49.57	47.55	45.51

64	64-8890	4F SGL 90° X .500 LONG CHAMFER MILL	66.72	64.12	61.50	58.89
64	64-8890-C	4F SGL 90° X .500 ALTIN LONG CHAMFER MILL	77.67	74.63	71.60	68.57
64	64-8900	4F SGL 60° X .187 LONG CHAMFER MILL	27.94	26.81	25.70	24.58
64	64-8900-C	4F SGL 60° X .187 ALTIN LONG CHAMFER MILL	32.79	31.50	30.19	28.89
64	64-8910	4F SGL 60° X .250 LONG CHAMFER MILL	33.84	32.49	31.15	29.81
64	64-8910-C	4F SGL 60° X .250 ALTIN LONG CHAMFER MILL	36.68	35.23	33.77	32.32
64	64-8920	4F SGL 60° X .312 LONG CHAMFER MILL	36.05	34.62	33.19	31.77
64	64-8920-C	4F SGL 60° X .312 ALTIN LONG CHAMFER MILL	44.77	43.00	41.24	39.48
64	64-8930	4F SGL 60° X .375 LONG CHAMFER MILL	42.28	40.60	38.94	37.27
64	64-8930-C	4F SGL 60° X .375 ALTIN LONG CHAMFER MILL	51.60	49.57	47.55	45.51
64	64-8940	4F SGL 60° X .500 CHAMFER MILL	66.72	64.12	61.50	58.89
64	64-8940-C	4F SGL 60° X .500 ALTIN LONG CHAMFER MILL	77.67	74.63	71.60	68.57
64	64-9000	2F DBL 120° X .187 DIA LONG CHAMFER MILL	36.03	34.59	33.21	31.87
64	64-9000-C	2F DBL 120° X .187 DIA LONG CHAMFER MILL	42.46	40.77	39.13	37.57
64	64-9010	2F DBL 120° X .250 DIA LONG CHAMFER MILL	41.86	40.18	38.58	37.03
64	64-9010-C	2F DBL 120° X .250 DIA LONG CHAMFER MILL	51.35	49.30	47.35	45.44
64	64-9020	2F DBL 120° X .312 DIA LONG CHAMFER MILL	51.56	49.49	47.51	45.62
64	64-9020-C	2F DBL 120° X .312 DIA LONG CHAMFER MILL	68.64	65.89	63.26	60.73
64	64-9030	2F DBL 120° X .375 DIA LONG CHAMFER MILL	56.67	54.39	52.22	50.13
64	64-9030-C	2F DBL 120° X .375 DIA LONG CHAMFER MILL	73.74	70.79	67.97	65.24
64	64-9040	2F DBL 120° X .500 DIA LONG CHAMFER MILL	81.11	77.86	74.75	71.76
64	64-9040-C	2F DBL 120° X .500 DIA LONG CHAMFER MILL	103.87	99.71	95.72	91.89
64	64-9050	2F DBL 90° X .187 DIA LONG CHAMFER MILL	36.03	34.59	33.21	31.87
64	64-9050-C	2F DBL 90° X .187 DIA LONG CHAMFER MILL	42.46	40.77	39.13	37.57
64	64-9060	2F DBL 90° X .250 DIA LONG CHAMFER MILL	41.86	40.18	38.58	37.03
64	64-9060-C	2F DBL 90° X .250 DIA LONG CHAMFER MILL	51.35	49.30	47.35	45.44
64	64-9070	2F DBL 90° X .312 DIA LONG CHAMFER MILL	51.56	49.49	47.51	45.44
64	64-9070-C	2F DBL 90° X .312 DIA LONG CHAMFER MILL	68.64	65.89	63.26	60.73
64	64-9080	2F DBL 90° X .375 DIA LONG CHAMFER MILL	56.67	54.39	52.22	50.13
64	64-9080-C	2F DBL 90° X .375 DIA LONG CHAMFER MILL	73.74	70.79	67.97	65.24
64	64-9090	2F DBL 90° X .500 DIA LONG CHAMFER MILL	81.11	77.86	74.75	71.76
64	64-9090-C	2F DBL 90° X .500 DIA LONG CHAMFER MILL	103.87	99.71	95.72	91.89
64	64-9100	2F DBL 60° X .187 DIA LONG CHAMFER MILL	36.03	34.59	33.21	31.87
64	64-9100-C	2F DBL 60° X .187 DIA LONG CHAMFER MILL	42.46	40.77	39.13	37.57
64	64-9110	2F DBL 60° X .250 DIA LONG CHAMFER MILL	41.86	40.18	38.58	37.03
64	64-9110-C	2F DBL 60° X .250 DIA LONG CHAMFER MILL	51.35	49.30	47.35	45.44
64	64-9120	2F DBL 60° X .312 DIA LONG CHAMFER MILL	51.56	49.49	47.51	45.62
64	64-9120-C	2F DBL 60° X .312 DIA LONG CHAMFER MILL	68.64	65.89	63.26	60.73

64	64-9130	2F DBL 60° X .375 DIA LONG CHAMFER MILL	56.67	54.39	52.22	50.13
64	64-9130-C	2F DBL 60° X .375 DIA LONG CHAMFER MILL	73.74	70.79	67.97	65.24
64	64-9140	2F DBL 60° X .500 DIA LONG CHAMFER MILL	81.11	77.86	74.75	71.76
64	64-9140-C	2F DBL 60° X .500 DIA LONG CHAMFER MILL	103.87	99.71	95.72	91.89
64	64-9150	4F DBL 120° X .187 DIA LONG CHAMFER MILL	36.03	34.59	33.21	31.87
64	64-9150-C	4F DBL 120° X .187 DIA LONG CHAMFER MILL	42.46	40.77	39.13	37.57
64	64-9160	4F DBL 120° X .250 DIA LONG CHAMFER MILL	41.86	40.18	38.58	37.03
64	64-9160-C	4F DBL 120° X .250 DIA LONG CHAMFER MILL	51.35	49.30	47.35	45.44
64	64-9170	4F DBL 120° X .312 DIA LONG CHAMFER MILL	51.56	49.49	47.51	45.62
64	64-9170-C	4F DBL 120° X .312 DIA LONG CHAMFER MILL	68.64	65.89	63.26	60.73
64	64-9180	4F DBL 120° X .375 DIA LONG CHAMFER MILL	56.67	54.39	52.22	50.13
64	64-9180-C	4F DBL 120° X .375 DIA LONG CHAMFER MILL	73.74	70.79	67.97	65.24
64	64-9190	4F DBL 120° X .500 DIA LONG CHAMFER MILL	81.11	77.86	74.75	71.76
64	64-9190-C	4F DBL 120° X .500 DIA LONG CHAMFER MILL	103.87	99.71	95.72	91.89
64	64-9200	4F DBL 90° X .187 DIA LONG CHAMFER MILL	36.03	34.59	33.21	31.87
64	64-9200-C	4F DBL 90° X .187 DIA LONG CHAMFER MILL	42.46	40.77	39.13	37.57
64	64-9210	4F DBL 90° X .250 DIA LONG CHAMFER MILL	41.86	40.18	38.58	37.03
64	64-9210-C	4F DBL 90° X .250 DIA LONG CHAMFER MILL	51.35	49.30	47.35	45.44
64	64-9220	4F DBL 90° X .312 DIA LONG CHAMFER MILL	51.56	49.49	47.51	45.62
64	64-9220-C	4F DBL 90° X .312 DIA LONG CHAMFER MILL	68.64	65.89	63.26	60.73
64	64-9230	4F DBL 90° X .375 DIA LONG CHAMFER MILL	56.67	54.39	52.22	50.13
64	64-9230-C	4F DBL 90° X .375 DIA LONG CHAMFER MILL	73.74	70.79	67.97	65.24
64	64-9240	4F DBL 90° X .500 DIA LONG CHAMFER MILL	81.11	77.86	74.75	71.76
64	64-9240-C	4F DBL 90° X .500 DIA LONG CHAMFER MILL	103.87	99.71	95.72	91.89
64	64-9250	4F DBL 120° X .250 DIA LONG CHAMFER MILL	36.03	34.59	33.21	31.87
64	64-9250-C	4F DBL 120° X .250 DIA LONG CHAMFER MILL	42.46	40.77	39.13	37.57
64	64-9260	4F DBL 60° X .250 DIA LONG CHAMFER MILL	41.86	40.18	38.58	37.03
64	64-9260-C	4F DBL 60° X .250 DIA LONG CHAMFER MILL	51.35	49.30	47.35	45.44
64	64-9270	4F DBL 60° X .312 DIA LONG CHAMFER MILL	51.56	49.49	47.51	45.62
64	64-9270-C	4F DBL 60° X .312 DIA LONG CHAMFER MILL	68.64	65.89	63.26	60.73
64	64-9280	4F DBL 60° X .375 DIA LONG CHAMFER MILL	56.67	54.39	52.22	50.13
64	64-9280-C	4F DBL 60° X .375 DIA LONG CHAMFER MILL	73.74	70.79	67.97	65.24
64	64-9290	4F DBL 60° X .500 DIA LONG CHAMFER MILL	81.11	77.86	74.75	71.76
64	64-9290-C	4F DBL 60° X .500 DIA LONG CHAMFER MILL	103.87	99.71	95.72	91.89
65	65-1180	EB-075-187 .075 DIA X .187 MAX DEPTH EDGE BREAKER	32.78	31.53	30.26	29.00
65	65-1180-C	EB-075-187 .075 DIA X .187 MAX DEPTH EDGE BREAKER	35.65	34.22	32.80	31.38
65	65-1185	EB-075-375 .075 DIA X .375 MAX DEPTH EDGE BREAKER	32.78	31.53	30.26	29.00
65	65-1185-C	EB-075-375 .075 DIA X .375 MAX DEPTH EDGE BREAKER	35.65	34.22	32.80	31.38

65	65-1190	EB-090-187 .090 DIA X .187 MAX DEPTH EDGE BREAKER	32.78	31.53	30.26	29.00
65	65-1190-C	EB-090-187 .090 DIA X .187 MAX DEPTH EDGE BREAKER	35.65	34.22	32.80	31.38
65	65-1195	EB-090-375 .090 DIA X .375 MAX DEPTH EDGE BREAKER	32.78	31.53	30.26	29.00
65	65-1195-C	EB-090-375 .090 DIA X .375 MAX DEPTH EDGE BREAKER	35.65	34.22	32.80	31.38
65	65-1197	EB-090-500 .090 DIA X .500 MAX DEPTH EDGE BREAKER	32.78	31.53	30.26	29.00
65	65-1197-C	EB-090-500 .090 DIA X .500 MAX DEPTH EDGE BREAKER	35.65	34.22	32.80	31.38
65	65-1200	EB-120-250 .120 DIA X .250 MAX DEPTH EDGE BREAKER	32.78	31.53	30.26	29.00
65	65-1200-C	EB-120-250 .120 DIA X .250 MAX DEPTH EDGE BREAKER	35.65	34.22	32.80	31.38
65	65-1205	EB-120-500 .120 DIA X .500 MAX DEPTH EDGE BREAKER	32.78	31.53	30.26	29.00
65	65-1205-C	EB-120-500 .120 DIA X .500 MAX DEPTH EDGE BREAKER	35.65	34.22	32.80	31.38
65	65-1207	EB-120-625 .120 DIA X .625 MAX DEPTH EDGE BREAKER	32.78	31.53	30.26	29.00
65	65-1207-C	EB-120-625 .120 DIA X .625 MAX DEPTH EDGE BREAKER	35.65	34.22	32.80	31.38
65	65-1210	EB-180-250 .180 DIA X .250 MAX DEPTH EDGE BREAKER	37.30	35.87	34.43	33.00
65	65-1210-C	EB-180-250 .180 DIA X .250 MAX DEPTH EDGE BREAKER	40.59	38.97	37.35	35.73
65	65-1215	EB-180-500 .180 DIA X .500 MAX DEPTH EDGE BREAKER	37.30	35.87	34.43	33.00
65	65-1215-C	EB-180-500 .180 DIA X .500 MAX DEPTH EDGE BREAKER	40.57	38.97	37.35	35.73
65	65-1220	EB-180-750 .180 DIA X .750 MAX DEPTH EDGE BREAKER	37.30	35.87	34.43	33.00
65	65-1220-C	EB-180-750 .180 DIA X .750 MAX DEPTH EDGE BREAKER	40.59	38.97	37.35	35.73
65	65-1225	EB-180-1000 .180 DIA X 1.000 MAX DEPTH EDGE BREAKER	37.30	35.87	34.43	33.00
65	65-1225-C	EB-180-1000 .180 DIA X 1.000 MAX DEPTH EDGE BREAKER	40.59	38.97	37.35	35.73
65	65-1230	EB-240-250 .240 DIA X .250 MAX DEPTH EDGE BREAKER	43.29	41.63	39.97	38.30
65	65-1230-C	EB-240-250 .240 DIA X .250 MAX DEPTH EDGE BREAKER	48.33	46.40	44.39	42.53
65	65-1235	EB-240-500 .240 DIA X .500 MAX DEPTH EDGE BREAKER	43.29	41.63	39.97	38.30
65	65-1235-C	EB-240-500 .240 DIA X .500 MAX DEPTH EDGE BREAKER	48.33	46.40	44.39	42.53
65	65-1240	EB-240-750 .240 DIA X .750 MAX DEPTH EDGE BREAKER	43.29	41.63	39.97	38.30
65	65-1240-C	EB-240-750 .240 DIA X .750 MAX DEPTH EDGE BREAKER	48.33	46.40	44.39	42.53
65	65-1245	EB-240-1000 .240 DIA X 1.000 MAX DEPTH EDGE BREAKER	43.29	41.63	39.97	38.30
65	65-1245-C	EB-240-1000 .240 DIA X 1.000 MAX DEPTH EDGE BREAKER	48.33	46.40	44.39	42.53
65	65-1250	EB-310-250 .310 DIA X .250 MAX DEPTH EDGE BREAKER	49.55	47.64	45.74	43.84
65	65-1250-C	EB-310-250 .310 DIA X .250 MAX DEPTH EDGE BREAKER	56.86	54.59	52.32	50.05
65	65-1255	EB-310-500 .310 DIA X .500 MAX DEPTH EDGE BREAKER	49.55	47.64	45.74	43.84
65	65-1255-C	EB-310-500 .310 DIA X .500 MAX DEPTH EDGE BREAKER	56.86	54.59	52.32	50.05
65	65-1260	EB-310-750 .310 DIA X .750 MAX DEPTH EDGE BREAKER	49.55	47.64	45.74	43.84
65	65-1260-C	EB-310-750 .310 DIA X .750 MAX DEPTH EDGE BREAKER	56.86	54.59	52.32	50.05
65	65-1265	EB-310-1000 .310 DIA X 1.000 MAX DEPTH EDGE BREAKER	49.55	47.64	45.74	43.84
65	65-1265-C	EB-310-1000 .310 DIA X 1.000 MAX DEPTH EDGE BREAKER	56.86	54.59	52.32	50.05
65	65-1270	EB-360-250 .360 DIA X .250 MAX DEPTH EDGE BREAKER	56.21	54.05	51.88	49.72
65	65-1270-C	EB-360-250 .360 DIA X .250 MAX DEPTH EDGE BREAKER	63.52	60.98	58.44	55.90

65	65-1275	EB-360-500 .360 DIA X .500 MAX DEPTH EDGE BREAKER	56.21	54.05	51.88	49.72
65	65-1275-C	EB-360-500 .360 DIA X .500 MAX DEPTH EDGE BREAKER	63.52	60.98	58.44	55.90
65	65-1280	EB-360-750 .360 DIA X .750 MAX DEPTH EDGE BREAKER	56.21	54.05	51.88	49.72
65	65-1280-C	EB-360-750 .360 DIA X .750 MAX DEPTH EDGE BREAKER	63.52	60.98	58.44	55.90
65	65-1285	EB-360-1000 .360 DIA X 1.000 MAX DEPTH EDGE BREAKER	56.21	54.05	51.88	49.72
65	65-1285-C	EB-360-1000 .360 DIA X 1.000 MAX DEPTH EDGE BREAKER	63.52	60.98	58.44	55.90
65	65-1290	EB-490-500 .490 DIA X .500 MAX DEPTH EDGE BREAKER	87.36	84.01	80.64	77.28
65	65-1290-C	EB-490-500 .490 DIA X .500 MAX DEPTH EDGE BREAKER	97.13	93.24	89.36	85.47
65	65-1295	EB-490-750 .490 DIA X .750 MAX DEPTH EDGE BREAKER	87.36	84.01	80.64	77.28
65	65-1295-C	EB-490-750 .490 DIA X .750 MAX DEPTH EDGE BREAKER	97.13	93.24	89.36	85.47
65	65-1300	EB-490-1000 .490 DIA X 1.000 MAX DEPTH EDGE BREAKER	87.36	84.01	80.64	77.28
65	65-1300-C	EB-490-1000 .490 DIA X 1.000 MAX DEPTH EDGE BREAKER	97.13	93.24	89.36	85.47
66	66-1100	BA-188-375 .135 X .375 CNC BACK-SPOT FACER	41.30	39.71	38.12	36.53
66	66-1100-C	BA-188-375 .135 X .375 CNC BACK-SPOT FACER	42.92	41.33	39.74	38.15
66	66-1105	BA-188-625 .135 X .625 CNC BACK-SPOT FACER	41.30	39.71	38.12	36.53
66	66-1105-C	BA-188-625 .135 X .625 CNC BACK-SPOT FACER	42.92	41.33	39.74	38.15
66	66-1110	BA-250-375 .180 X .375 CNC BACK-SPOT FACER	42.55	40.92	39.28	37.64
66	66-1110-C	BA-250-375 .180 X .375 CNC BACK-SPOT FACER	44.80	43.17	41.53	39.89
66	66-1115	BA-250-625 .180 X .625 CNC BACK-SPOT FACER	42.55	40.92	39.28	37.64
66	66-1115-C	BA-250-625 .180 X .625 CNC BACK-SPOT FACER	44.80	43.17	41.53	39.89
66	66-1120	BA-312-500 .225 X .500 CNC BACK-SPOT FACER	53.15	51.11	49.06	47.02
66	66-1120-C	BA-312-500 .225 X .500 CNC BACK-SPOT FACER	56.37	54.33	52.28	50.24
66	66-1125	BA-312-750 .225 X .750 CNC BACK-SPOT FACER	53.15	51.11	49.06	47.02
66	66-1125-C	BA-312-750 .225 X .750 CNC BACK-SPOT FACER	56.37	54.33	52.28	50.24
66	66-1130	BA-375-500 .270 X .500 CNC BACK-SPOT FACER	69.58	66.90	64.23	61.54
66	66-1130-C	BA-375-500 .270 X .500 CNC BACK-SPOT FACER	72.80	70.12	67.45	64.77
66	66-1135	BA-375-750 .270 X .750 CNC BACK-SPOT FACER	69.58	66.90	64.23	61.54
66	66-1135-C	BA-375-750 .270 X .750 CNC BACK-SPOT FACER	72.80	70.12	67.45	64.77
66	66-1140	BA-500-500 .370 X .500 CNC BACK-SPOT FACER	98.36	94.58	90.80	87.01
66	66-1140-C	BA-500-500 .370 X .500 CNC BACK-SPOT FACER	103.46	99.67	95.89	92.11
66	66-1145	BA-500-750 .370 X .750 CNC BACK-SPOT FACER	98.36	94.58	90.80	87.01
66	66-1145-C	BA-500-750 .370 X .750 CNC BACK-SPOT FACER	103.46	99.67	95.89	92.11
66	66-1150	BA-500-1000 .370 X 1.000 CNC BACK-SPOT FACER	98.36	94.58	90.80	87.01
66	66-1150-C	BA-500-1000 .370 X 1.000 CNC BACK-SPOT FACER	103.46	99.67	95.89	92.11
66	66-1155	BA-625-500 .435 X .500 CNC BACK-SPOT FACER	128.28	123.35	118.41	113.48
66	66-1155-C	BA-625-500 .435 X .500 CNC BACK-SPOT FACER	133.87	128.94	124.01	119.07
66	66-1160	BA-625-750 .435 X .750 CNC BACK-SPOT FACER	128.28	123.35	118.41	113.48
66	66-1160-C	BA-625-750 .435 X .750 CNC BACK-SPOT FACER	133.87	128.94	124.01	119.07

66	66-1165	BA-625-1000 .435 X 1.000 CNC BACK-SPOT FACER	128.28	123.35	118.41	113.48
66	66-1165-C	BA-625-1000 .435 X 1.000 CNC BACK-SPOT FACER	133.87	128.94	124.01	119.07
66	66-1170	BA-625-1250 .435 X 1.250 CNC BACK-SPOT FACER	128.28	123.35	118.41	113.48
66	66-1170-C	BA-625-1250 .435 X 1.250 CNC BACK-SPOT FACER	133.87	128.94	124.01	119.07
66	66-1175	BA-750-500 .530 X .500 CNC BACK-SPOT FACER	154.20	148.27	142.34	136.41
66	66-1175-C	BA-750-500 .530 X .500 CNC BACK-SPOT FACER	162.16	156.23	150.30	144.37
66	66-1180	BA-750-750 .530 X .750 CNC BACK-SPOT FACER	154.20	148.27	142.34	136.41
66	66-1180-C	BA-750-750 .530 X .750 CNC BACK-SPOT FACER	162.16	156.23	150.30	144.37
66	66-1185	BA-750-1000 .530 X 1.000 CNC BACK-SPOT FACER	154.20	148.27	142.34	136.41
66	66-1185-C	BA-750-1000 .530 X 1.000 CNC BACK-SPOT FACER	162.16	156.23	150.30	144.37
66	66-1190	BA-750-1250 .530 X 1.250 CNC BACK-SPOT FACER	154.20	148.27	142.34	136.41
66	66-1190-C	BA-750-1250 .530 X 1.250 CNC BACK-SPOT FACER	162.16	156.23	150.30	144.37
67	67-1400	RC-031-250 REVERSE CORNER ROUNDER	56.45	54.27	52.10	49.94
67	67-1400-C	RC-031-250 REVERSE CORNER ROUNDER	58.76	56.59	54.42	52.25
67	67-1405	RC-031-500 REVERSE CORNER ROUNDER	56.45	54.27	52.10	49.94
67	67-1405-C	RC-031-500 REVERSE CORNER ROUNDER	58.76	56.59	54.42	52.25
67	67-1410	RC-031-750 REVERSE CORNER ROUNDER	56.45	54.27	52.10	49.94
67	67-1410-C	RC-031-750 REVERSE CORNER ROUNDER	58.76	56.59	54.42	52.25
67	67-1415	RC-047-375 REVERSE CORNER ROUNDER	56.45	54.27	52.10	49.94
67	67-1415-C	RC-047-375 REVERSE CORNER ROUNDER	59.66	57.49	55.31	53.15
67	67-1420	RC-047-625 REVERSE CORNER ROUNDER	56.45	54.27	52.10	49.94
67	67-1420-C	RC-047-625 REVERSE CORNER ROUNDER	59.66	57.49	55.31	53.15
67	67-1425	RC-047-875 REVERSE CORNER ROUNDER	56.45	54.27	52.10	49.94
67	67-1425-C	RC-047-875 REVERSE CORNER ROUNDER	59.66	57.49	55.31	53.15
67	67-1430	RC-062-375 REVERSE CORNER ROUNDER	58.33	56.08	53.84	51.60
67	67-1430-C	RC-062-375 REVERSE CORNER ROUNDER	62.95	60.70	58.46	56.22
67	67-1435	RC-062-625 REVERSE CORNER ROUNDER	58.33	56.08	53.84	51.60
67	67-1435-C	RC-062-625 REVERSE CORNER ROUNDER	62.95	60.70	58.46	56.22
67	67-1440	RC-062-875 REVERSE CORNER ROUNDER	58.33	56.08	53.84	51.60
67	67-1440-C	RC-062-875 REVERSE CORNER ROUNDER	62.95	60.70	58.46	56.22
67	67-1445	RC-062-1000 REVERSE CORNER ROUNDER	58.33	56.08	53.84	51.60
67	67-1445-C	RC-062-1000 REVERSE CORNER ROUNDER	62.95	60.70	58.46	56.22
67	67-1450	RC-093-500 REVERSE CORNER ROUNDER	88.43	85.04	81.63	78.23
67	67-1450-C	RC-093-500 REVERSE CORNER ROUNDER	93.05	89.65	86.25	82.85
67	67-1455	RC-093-750 REVERSE CORNER ROUNDER	88.43	85.04	81.63	78.23
67	67-1455-C	RC-093-750 REVERSE CORNER ROUNDER	93.05	89.65	86.25	82.85
67	67-1460	RC-093-1000 REVERSE CORNER ROUNDER	88.43	85.04	81.63	78.23
67	67-1460-C	RC-093-1000 REVERSE CORNER ROUNDER	93.05	89.65	86.25	82.85

67	67-1465	RC-093-1250 REVERSE CORNER ROUNDER	88.43	85.04	81.63	78.23
67	67-1465-C	RC-093-1250 REVERSE CORNER ROUNDER	93.05	89.65	86.25	82.85
67	67-1470	RC-125-500 REVERSE CORNER ROUNDER	88.43	85.04	81.63	78.23
67	67-1470-C	RC-125-500 REVERSE CORNER ROUNDER	95.72	92.33	88.92	85.52
67	67-1475	RC-125-750 REVERSE CORNER ROUNDER	88.43	85.04	81.63	78.23
67	67-1475-C	RC-125-750 REVERSE CORNER ROUNDER	95.72	92.33	88.92	85.52
67	67-1480	RC-125-1000 REVERSE CORNER ROUNDER	88.43	85.04	81.63	78.23
67	67-1480-C	RC-125-1000 REVERSE CORNER ROUNDER	95.72	92.33	88.92	85.52
67	67-1485	RC-125-1250 REVERSE CORNER ROUNDER	88.43	85.04	81.63	78.23
67	67-1485-C	RC-125-1250 REVERSE CORNER ROUNDER	95.72	92.33	88.92	85.52
67	67-1490	RC-187-500 REVERSE CORNER ROUNDER	124.56	119.77	114.97	110.18
67	67-1490-C	RC-187-500 REVERSE CORNER ROUNDER	132.55	127.76	122.97	118.18
67	67-1495	RC-187-750 REVERSE CORNER ROUNDER	124.56	119.77	114.97	110.18
67	67-1495-C	RC-187-750 REVERSE CORNER ROUNDER	132.55	127.76	122.97	118.18
67	67-1500	RC-187-1000 REVERSE CORNER ROUNDER	124.56	119.77	114.97	110.18
67	67-1500-C	RC-187-1000 REVERSE CORNER ROUNDER	132.55	127.76	122.97	118.18
67	67-1505	RC-187-1250 REVERSE CORNER ROUNDER	124.56	119.77	114.97	110.18
67	67-1505-C	RC-187-1250 REVERSE CORNER ROUNDER	132.55	127.76	122.97	118.18
68	68-1200	CR-125-010 .010 RADIUS X 1/8 SHANK CORNER ROUNDING ENDMILL	25.43	24.45	23.47	22.50
68	68-1200-C	CR-125-010 .010 RADIUS X 1/8 SHANK CORNER ROUNDING ENDMILL	28.97	27.99	27.01	26.03
68	68-1205	CR-125-015 .015 RADIUS (1/64) X 1/8 SHANK CORNER ROUNDING ENDMILL	25.43	24.45	23.47	22.50
68	68-1205-C	CR-125-015 .015 RADIUS (1/64) X 1/8 SHANK CORNER ROUNDING ENDM	28.97	27.99	27.01	26.03
68	68-1210	CR-125-020 .020 RADIUS X 1/8 SHANK CORNER ROUNDING ENDMILL	25.43	24.45	23.47	22.50
68	68-1210-C	CR-125-020 .020 RADIUS X 1/8 SHANK CORNER ROUNDING ENDMILL	28.97	27.99	27.01	26.03
68	68-1215	CR-125-025 .025 RADIUS X 1/8 SHANK CORNER ROUNDING ENDMILL	25.43	24.45	23.47	22.50
68	68-1215-C	CR-125-025 .025 RADIUS X 1/8 SHANK CORNER ROUNDING ENDMILL	28.97	27.99	27.01	26.03
68	68-1220	CR-125-031 .0312 RADIUS (1/32) X 1/8 SHANK CORNER ROUNDING END	25.43	24.45	23.47	22.50
68	68-1220-C	CR-125-031 .0312 RADIUS (1/32) X 1/8 SHANK CORNER ROUNDING END	28.97	27.99	27.01	26.03
68	68-1221	CR-187-015 .015 RADIUS X 3/16 SHANK CORNER ROUNDING ENDMILL	27.48	26.42	25.37	24.31
68	68-1221-C	CR-187-015 .015 RADIUS X 3/16 SHANK CORNER ROUNDING ENDMILL	33.82	32.77	31.71	30.65
68	68-1222	CR-187-031 .031 RADIUS X 3/16 SHANK CORNER ROUNDING ENDMILL	27.48	26.42	25.37	24.31
68	68-1222-C	CR-187-031 .031 RADIUS X 3/16 SHANK CORNER ROUNDING ENDMILL	33.82	32.77	31.71	30.65
68	68-1223	CR-187-062 .062 RADIUS X 3/16 SHANK CORNER ROUNDING ENDMILL	27.48	26.42	25.37	24.31
68	68-1223-C	CR-187-062 .062 RADIUS X 3/16 SHANK CORNER ROUNDING ENDMILL	33.82	32.77	31.71	30.65
68	68-1225	CR-250-010 .010 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	35.34	33.97	32.61	31.26
68	68-1225-C	CR-250-010 .010 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	44.80	43.44	42.09	40.73
68	68-1230	CR-250-015 .015 RADIUS (1/64) X 1/4 SHANK CORNER ROUNDING ENDM	35.34	33.97	32.61	31.26
68	68-1230-C	CR-250-015 .015 RADIUS (1/64) X 1/4 SHANK CORNER ROUNDING ENDM	44.80	43.44	42.09	40.73

68	68-1235	CR-250-020 .020 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	35.34	33.97	32.61	31.26
68	68-1235-C	CR-250-020 .020 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	44.80	43.44	42.09	40.73
68	68-1240	CR-250-025 .025 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	35.34	33.97	32.61	31.26
68	68-1240-C	CR-250-025 .025 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	44.80	43.44	42.09	40.73
68	68-1245	CR-250-032 .0312 RADIUS (1/32) X 1/4 SHANK CORNER ROUNDING ENDMILL	35.34	33.97	32.61	31.26
68	68-1245-C	CR-250-032 .0312 RADIUS (1/32) X 1/4 SHANK CORNER ROUNDING END	44.80	43.44	42.09	40.73
68	68-1250	CR-250-035 .035 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	35.34	33.97	32.61	31.26
68	68-1250-C	CR-250-035 .035 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	44.80	43.44	42.09	40.73
68	68-1255	CR-250-040 .0394 RADIUS (1MM) X 1/4 SHANK CORNER ROUNDING ENDM	35.34	33.97	32.61	31.26
68	68-1255-C	CR-250-040 .0394 RADIUS (1MM) X 1/4 SHANK CORNER ROUNDING ENDM	44.80	43.44	42.09	40.73
68	68-1260	CR-250-046 .0469 RADIUS (3/64) X 1/4 SHANK CORNER ROUNDING ENDM	35.34	33.97	32.61	31.26
68	68-1260-C	CR-250-046 .0469 RADIUS (3/64) X 1/4 SHANK CORNER ROUNDING ENDM	44.80	43.44	42.09	40.73
68	68-1265	CR-250-050 .050 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	35.34	33.97	32.61	31.26
68	68-1265-C	CR-250-050 .050 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	44.80	43.44	42.09	40.73
68	68-1270	CR-250-055 .055 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	35.34	33.97	32.61	31.26
68	68-1270-C	CR-250-055 .055 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	44.80	43.44	42.09	40.73
68	68-1275	CR-250-059 .0591 RADIUS (1.5MM) X 1/4 SHANK CORNER ROUNDING END	35.34	33.97	32.61	31.26
68	68-1275-C	CR-250-059 .0591 RADIUS (1.5MM) X 1/4 SHANK CORNER ROUNDING END	44.80	43.44	42.09	40.73
68	68-1280	CR-250-062 .0625 RADIUS (1/16) X 1/4 SHANK CORNER ROUNDING END	35.34	33.97	32.61	31.26
68	68-1280-C	CR-250-062 .0625 RADIUS (1/16) X 1/4 SHANK CORNER ROUNDING END	44.80	43.44	42.09	40.73
68	68-1285	CR-250-070 .070 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	35.34	33.97	32.61	31.26
68	68-1285-C	CR-250-070 .070 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	44.80	43.44	42.09	40.73
68	68-1290	CR-250-075 .075 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	35.34	33.97	32.61	31.26
68	68-1290-C	CR-250-075 .075 RADIUS X 1/4 SHANK CORNER ROUNDING ENDMILL	44.80	43.44	42.09	40.73
68	68-1295	CR-375-078 .0781 RADIUS X 3/8 SHANK CORNER ROUNDING ENDMILL	58.90	56.63	54.37	52.10
68	68-1295-C	CR-375-078 .0781 RADIUS X 3/8 SHANK CORNER ROUNDING ENDMILL	68.37	66.12	63.84	61.58
68	68-1297	CR-375-079 .0787 RADIUS (2MM) X 3/8 SHANK CORNER ROUNDING ENDMILL	58.90	56.63	54.37	52.10
68	68-1297-C	CR-375-079 .0787 RADIUS (2MM) X 3/8 SHANK CORNER ROUNDING ENDM	68.37	66.12	63.84	61.58
68	68-1300	CR-375-093 .0938 RADIUS X 3/8 SHANK CORNER ROUNDING ENDMILL	58.90	56.63	54.37	52.10
68	68-1300-C	CR-375-093 .0938 RADIUS X 3/8 SHANK CORNER ROUNDING ENDMILL	68.37	66.12	63.84	61.58
68	68-1302	CR-375-099 .0984 (2.5MM) RADIUS X 3/8 SHANK CORNER ROUNDING END	58.90	56.63	54.37	52.10
68	68-1302-C	CR-375-099 .0984 (2.5MM) RADIUS X 3/8 SHANK CORNER ROUNDING END	68.37	66.12	63.84	61.58
68	68-1305	CR-375-109 .1094 RADIUS X 3/8 SHANK CORNER ROUNDING ENDMILL	58.90	56.63	54.37	52.10
68	68-1305-C	CR-375-109 .1094 RADIUS X 3/8 SHANK CORNER ROUNDING ENDMILL	68.37	66.12	63.84	61.58
68	68-1307	CR-375-118 .1181 RADIUS X 3/8 SHANK CORNER ROUNDING ENDMILL	58.90	56.63	54.37	52.10
68	68-1307-C	CR-375-118 .1181 RADIUS X 3/8 SHANK CORNER ROUNDING ENDMILL	68.37	66.12	63.84	61.58
68	68-1310	CR-375-125 .125 RADIUS X 3/8 SHANK CORNER ROUNDING ENDMILL	58.90	56.63	54.37	52.10
68	68-1310-C	CR-375-125 .125 RADIUS X 3/8 SHANK CORNER ROUNDING ENDMILL	68.37	66.12	63.84	61.58

68	68-1312	CR-500-140 .140 RADIUS X 1/2 SHANK CORNER ROUNDING ENDMILL	92.07	88.53	84.99	81.44
68	68-1312-C	CR-500-140 .140 RADIUS X 1/2 SHANK CORNER ROUNDING ENDMILL	103.16	99.79	96.27	92.84
68	68-1315	CR-500-156 .1562 RADIUS X 1/2 SHANK CORNER ROUNDING ENDMILL	92.07	88.53	84.99	81.44
68	68-1315-C	CR-500-156 .1562 RADIUS X 1/2 SHANK CORNER ROUNDING ENDMILL	103.16	99.79	96.27	92.84
68	68-1317	CR-500-158 .1575 RADIUS X 1/2 SHANK CORNER ROUNDING ENDMILL	92.07	88.53	84.99	81.44
68	68-1317-C	CR-500-158 .1575 RADIUS X 1/2 SHANK CORNER ROUNDING ENDMILL	103.16	99.79	96.27	92.84
68	68-1320	CR-500-171 .1718 RADIUS X 1/2 SHANK CORNER ROUNDING ENDMILL	92.07	88.53	84.99	81.44
68	68-1320-C	CR-500-171 .1718 RADIUS X 1/2 SHANK CORNER ROUNDING ENDMILL	103.16	99.79	96.27	92.84
68	68-1325	CR-500-187 .1875 RADIUS X 1/2 SHANK CORNER ROUNDING ENDMILL	92.07	88.53	84.99	81.44
68	68-1325-C	CR-500-187 .1875 RADIUS X 1/2 SHANK CORNER ROUNDING ENDMILL	103.16	99.79	96.27	92.84
68	68-1327	CR-625-197 5MM (.1969) RADIUS X 5/8 SHANK CORNER ROUNDING ENDM	105.41	101.36	97.30	93.24
68	68-1327-C	CR-625-197 .1969 RADIUS X 5/8 SHANK CORNER ROUNDING ENDMILL	132.47	128.42	124.36	120.32
68	68-1330	CR-625-203 .2031 RADIUS X 5/8 SHANK CORNER ROUNDING ENDMILL	105.41	101.36	97.30	93.24
68	68-1330-C	CR-625-203 .2031 RADIUS X 5/8 SHANK CORNER ROUNDING ENDMILL	132.47	128.42	124.36	120.32
68	68-1335	CR-625-219 .2188 RADIUS X 5/8 SHANK CORNER ROUNDING ENDMILL	105.41	101.36	97.30	93.24
68	68-1335-C	CR-625-219 .2188 RADIUS X 5/8 SHANK CORNER ROUNDING ENDMILL	132.47	128.42	124.36	120.32
68	68-1340	CR-625-234 .2344 RADIUS X 5/8 SHANK CORNER ROUNDING ENDMILL	105.41	101.36	97.30	93.24
68	68-1340-C	CR-625-234 .2344 RADIUS X 5/8 SHANK CORNER ROUNDING ENDMILL	132.47	128.42	124.36	120.32
68	68-1342	CR-625-236 .2362 RADIUS X 5/8 SHANK CORNER ROUNDING ENDMILL	105.41	101.36	97.30	93.24
68	68-1342-C	CR-625-236 .2362 RADIUS X 5/8 SHANK CORNER ROUNDING ENDMILL	132.47	128.42	124.36	120.32
68	68-1345	CR-625-250 .250 RADIUS X 5/8 SHANK CORNER ROUNDING ENDMILL	105.41	101.36	97.30	93.24
68	68-1345-C	CR-625-250 .250 RADIUS X 5/8 SHANK CORNER ROUNDING ENDMILL	132.47	128.42	124.36	120.32
68	68-1350	CR-750-281 .2812 RADIUS X 3/4 SHANK CORNER ROUNDING ENDMILL	140.54	135.14	129.74	124.33
68	68-1350-C	CR-750-281 .2812 RADIUS X 3/4 SHANK CORNER ROUNDING ENDMILL	173.48	168.08	162.66	157.26
68	68-1352	CR-750-297 .2969 RADIUS X 3/4 SHANK CORNER ROUNDING ENDMILL	140.54	135.14	129.74	124.33
68	68-1352-C	CR-750-297 .2969 RADIUS X 3/4 SHANK CORNER ROUNDING ENDMILL	173.48	168.08	162.66	157.26
68	68-1355	CR-750-312 .3125 RADIUS X 3/4 SHANK CORNER ROUNDING ENDMILL	140.54	135.14	129.74	124.33
68	68-1355-C	CR-750-312 .3125 RADIUS X 3/4 SHANK CORNER ROUNDING ENDMILL	173.48	168.08	162.66	157.26
68	68-1360	CR-1000-328 .3281 RADIUS X 1 SHANK CORNER ROUNDING ENDMILL	169.55	162.73	155.89	149.08
68	68-1360-C	CR-1000-328 .3281 RADIUS X 1 SHANK CORNER ROUNDING ENDMILL	216.02	207.33	198.65	189.99
68	68-1365	CR-1000-343 .3438 RADIUS X 1 SHANK CORNER ROUNDING ENDMILL	169.55	162.73	155.89	149.08
68	68-1365-C	CR-1000-343 .3438 RADIUS X 1 SHANK CORNER ROUNDING ENDMILL	216.02	207.33	198.65	189.96
68	68-1370	CR-1000-375 .3750 RADIUS X 1 SHANK CORNER ROUNDING ENDMILL	169.55	162.73	155.89	149.08
68	68-1370-C	CR-1000-375 .3750 RADIUS X 1 SHANK CORNER ROUNDING ENDMILL	216.02	207.33	198.65	189.96
68	68-1500	SR-125-005 .005 RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1500-C	SR-125-005 .005 RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1505	SR-125-008 .0079 (.2MM) RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1505-C	SR-125-008 .0079 (.2MM) RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30

68	68-1510	SR-125-010 .010 RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1510-C	SR-125-010 .010 RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1515	SR-125-012 .0118 (.3MM) RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1515-C	SR-125-012 .0118 (.3MM) RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1520	SR-125-015 .015 RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1520-C	SR-125-015 .015 RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1525	SR-125-016 .0157 (.4MM) RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1525-C	SR-125-016 .0157 (.4MM) RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1530	SR-125-019 .0197 (.5 MM) RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1530-C	SR-125-019 .0197 (.5 MM) RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1535	SR-125-020 .020 RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1535-C	SR-125-020 .020 RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1540	SR-125-024 .0236 (.6MM) RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1540-C	SR-125-024 .0236 (.6MM) RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1545	SR-125-025 .025 RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1545-C	SR-125-025 .025 RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1550	SR-125-028 .0276 (.7MM) RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1550-C	SR-125-028 .0276 (.7MM) RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1555	SR-125-030 .030 RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1555-C	SR-125-030 .030 RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1560	SR-125-031 .0312 (1/32) RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1560-C	SR-125-031 .0312 (1/32) RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1565	SR-125-032 .0315 (.8MM) RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1565-C	SR-125-032 .0315 (.8MM) RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1570	SR-125-035 .0354 (.9MM) RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1570-C	SR-125-035 .0354 (.9MM) RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1575	SR-125-040 .0394 (1 MM) RADIUS 2F CORNER ROUNDER	25.43	24.45	23.47	22.50
68	68-1575-C	SR-125-040 .0394 (1 MM) RADIUS 2F CORNER ROUNDER	28.60	27.45	26.36	25.30
68	68-1580	SR-187-047 .0469 (3/64) RADIUS 2F CORNER ROUNDER	27.48	26.42	25.37	24.31
68	68-1580-C	SR-187-047 .0469 (3/64) RADIUS 2F CORNER ROUNDER	33.82	32.77	31.71	30.65
68	68-1585	SR-187-050 .050 RADIUS 2F CORNER ROUNDER	27.48	26.42	25.37	24.31
68	68-1585-C	SR-187-050 .050 RADIUS 2F CORNER ROUNDER	33.82	32.77	31.71	31.73
68	68-1590	SR-187-059 .0591 (1.5MM) RADIUS 2F CORNER ROUNDER	27.48	26.42	25.37	24.31
68	68-1590-C	SR-187-059 .0591 (1.5MM) RADIUS 2F CORNER ROUNDER	33.82	32.77	31.71	30.65
68	68-1595	SR-187-060 .060 RADIUS 2F CORNER ROUNDER	27.48	26.42	25.37	24.31
68	68-1595-C	SR-187-060 .060 RADIUS 2F CORNER ROUNDER	33.82	32.77	31.71	30.65
68	68-1600	SR-187-063 .0625 RADIUS 2F CORNER ROUNDER	27.48	26.42	25.37	24.31
68	68-1600-C	SR-187-063 .0625 RADIUS 2F CORNER ROUNDER	33.82	32.77	31.71	30.65

68	68-1605	SR-250-078 .0781 (5/64) RADIUS 2F CORNER ROUNDER	35.34	33.97	32.61	31.26
68	68-1605-C	SR-250-078 .0781 (5/64) RADIUS 2F CORNER ROUNDER	44.80	43.44	42.09	40.73
68	68-1610	SR-250-079 .0787 (2MM) RADIUS 2F CORNER ROUNDER	35.34	33.97	32.61	31.26
68	68-1610-C	SR-250-079 .0787 (2MM) RADIUS 2F CORNER ROUNDER	44.80	43.44	42.09	40.73
68	68-1615	SR-250-094 .0938 (3/32) RADIUS 2F CORNER ROUNDER	35.34	33.97	32.61	31.26
68	68-1615-C	SR-250-094 .0938 (3/32) RADIUS 2F CORNER ROUNDER	44.80	43.44	42.09	40.73
68	68-1620	SR-250-098 .0984 (2.5MM) RADIUS 2F CORNER ROUNDER	35.34	33.97	32.61	31.26
68	68-1620-C	SR-250-098 .0984 (2.5MM) RADIUS 2F CORNER ROUNDER	44.80	43.44	42.09	40.73
68	68-1625	SR-312-109 .1094 (7/64) RADIUS 2F CORNER ROUNDER	56.17	54.00	51.85	49.69
68	68-1625-C	SR-312-109 .1094 (7/64) RADIUS 2F CORNER ROUNDER	65.39	62.78	60.27	57.85
68	68-1630	SR-312-118 .1181 (3MM) RADIUS 2F CORNER ROUNDER	56.17	54.00	51.85	49.69
68	68-1630-C	SR-312-118 .1181 (3MM) RADIUS 2F CORNER ROUNDER	65.39	62.78	60.27	57.85
68	68-1635	SR-312-125 .125 (1/8) RADIUS 2F CORNER ROUNDER	56.17	54.00	51.85	49.69
68	68-1635-C	SR-312-125 .125 (1/8) RADIUS 2F CORNER ROUNDER	65.39	62.78	60.27	57.85
68	68-1640	SR-375-138 .1378 (3.5MM) RADIUS 2F CORNER ROUNDER	58.90	56.63	54.37	52.10
68	68-1640-C	SR-375-138 .1378 (3.5MM) RADIUS 2F CORNER ROUNDER	68.13	65.40	62.79	60.28
68	68-1645	SR-375-140 .1406 (9/64) RADIUS 2F CORNER ROUNDER	58.90	56.63	54.37	52.10
68	68-1645-C	SR-375-140 .1406 (9/64) RADIUS 2F CORNER ROUNDER	68.13	65.40	62.79	60.28
68	68-1650	SR-375-156 .1562 (5/32) RADIUS 2F CORNER ROUNDER	58.90	56.63	54.37	52.10
68	68-1650-C	SR-375-156 .1562 (5/32) RADIUS 2F CORNER ROUNDER	68.13	65.40	62.79	60.28
68	68-1655	SR-375-158 .1575 (4MM) RADIUS 2F CORNER ROUNDER	58.90	56.63	54.37	52.10
68	68-1655-C	SR-375-158 .1575 (4MM) RADIUS 2F CORNER ROUNDER	68.13	65.40	62.79	60.28
68	68-1660	SR-500-172 .1719 (11/64) RADIUS 2F CORNER ROUNDER	92.07	88.53	84.99	81.44
68	68-1660-C	SR-500-172 .1719 (11/64) RADIUS 2F CORNER ROUNDER	106.63	102.37	98.27	94.35
68	68-1665	SR-500-177 .1772 (4.5MM) RADIUS 2F CORNER ROUNDER	92.07	88.53	84.99	81.44
68	68-1665-C	SR-500-177 .1772 (4.5MM) RADIUS 2F CORNER ROUNDER	106.63	102.37	98.27	94.35
68	68-1670	SR-500-188 .1875 (3/16) RADIUS 2F CORNER ROUNDER	92.07	88.53	84.99	81.44
68	68-1670-C	SR-500-188 .1875 (3/16) RADIUS 2F CORNER ROUNDER	106.63	102.37	98.27	94.35
68	68-1675	SR-500-197 .1969 (5MM) RADIUS 2F CORNER ROUNDER	92.07	88.53	84.99	81.44
68	68-1675-C	SR-500-197 .1969 (5MM) RADIUS 2F CORNER ROUNDER	106.63	102.37	98.27	94.35
68	68-1680	SR-500-203 .2031 (13/64) RADIUS 2F CORNER ROUNDER	92.07	88.53	84.99	81.44
68	68-1680-C	SR-500-203 .2031 (13/64) RADIUS 2F CORNER ROUNDER	106.63	102.37	98.27	94.35
68	68-1685	SR-500-216 .2165 (5.5MM) RADIUS 2F CORNER ROUNDER	92.07	88.53	84.99	81.44
68	68-1685-C	SR-500-216 .2165 (5.5MM) RADIUS 2F CORNER ROUNDER	106.63	102.37	98.27	94.35
68	68-1690	SR-500-219 .2188 (7/32) RADIUS 2F CORNER ROUNDER	92.07	88.53	84.99	81.44
68	68-1690-C	SR-500-219 .2188 (7/32) RADIUS 2F CORNER ROUNDER	106.63	102.37	98.27	94.35
68	68-1695	SR-625-235 .2344 (15/64) RADIUS 2F CORNER ROUNDER	105.41	101.36	97.30	93.24
68	68-1695-C	SR-625-235 .2344 (15/64) RADIUS 2F CORNER ROUNDER	121.41	116.55	111.89	107.41

68	68-1700	SR-625-236 .2362 (6MM) RADIUS 2F CORNER ROUNDER	105.41	101.36	97.30	93.24
68	68-1700-C	SR-625-236 .2362 (6MM) RADIUS 2F CORNER ROUNDER	121.41	116.55	111.89	107.41
68	68-1705	SR-625-250 .250 (1/4) RADIUS 2F CORNER ROUNDER	105.41	101.36	97.30	93.24
68	68-1705-C	SR-625-250 .250 (1/4) RADIUS 2F CORNER ROUNDER	121.41	116.55	111.84	107.41
69	69-1000	1° STUB TAPERED ENDMILL	43.10	41.45	39.86	38.26
69	69-1000-C	1° STUB TAPERED ENDMILL	46.19	44.34	42.57	40.86
69	69-1020	2° STUB TAPERED ENDMILL	43.10	41.45	39.86	38.26
69	69-1020-C	2° STUB TAPERED ENDMILL	46.19	44.34	42.57	40.86
69	69-1030	3° STUB TAPERED ENDMILL	43.10	41.45	39.86	38.26
69	69-1030-C	3° STUB TAPERED ENDMILL	46.19	44.34	42.57	40.86
69	69-1040	4° STUB TAPERED ENDMILL	43.10	41.45	39.86	38.26
69	69-1040-C	4° STUB TAPERED ENDMILL	46.19	44.34	42.56	40.86
69	69-1050	5° STUB TAPERED ENDMILL	43.10	41.45	39.86	38.26
69	69-1050-C	5° STUB TAPERED ENDMILL	46.31	44.66	43.07	41.47
69	69-1060	6° STUB TAPERED ENDMILL	43.10	41.44	39.85	38.25
69	69-1060-C	6° STUB TAPERED ENDMILL	46.31	44.66	43.07	41.46
69	69-1070	7° STUB TAPERED ENDMILL	43.10	41.45	39.86	38.26
69	69-1070-C	7° STUB TAPERED ENDMILL	46.31	44.66	43.07	41.46
69	69-1080	8° STUB TAPERED ENDMILL	43.10	41.45	39.86	38.26
69	69-1080-C	8° STUB TAPERED ENDMILL	46.31	44.66	43.07	41.46
69	69-1090	9° STUB TAPERED ENDMILL	43.10	41.45	39.86	38.26
69	69-1090-C	9° STUB TAPERED ENDMILL	46.31	44.66	43.07	41.46
69	69-1100	10° STUB TAPERED ENDMILL	43.10	41.45	39.86	38.26
69	69-1100-C	10° STUB TAPERED ENDMILL	46.31	44.66	43.07	41.46
69	69-1105	11° STUB TAPERED ENDMILL	43.10	41.45	39.86	38.26
69	69-1105-C	11° STUB TAPERED ENDMILL	46.31	44.66	43.07	41.47
69	69-2000	1° X .094 TIP X .750 L/C TAPERED ENDMILL	53.37	51.79	49.41	47.50
69	69-2000-C	1° X .094 TIP X .750 L/C TAPERED ENDMILL	55.94	53.71	51.57	49.52
69	69-2020	1° X .125 TIP X 1.000 L/C TAPERED ENDMILL	53.37	51.79	49.41	47.50
69	69-2020-C	1° X .125 TIP X 1.000 L/C TAPERED ENDMILL	55.94	53.71	51.57	49.52
69	69-2030	1° X .250 TIP X 1.250 L/C TAPERED ENDMILL	72.66	69.76	66.97	64.30
69	69-2030-C	1° X .250 TIP X 1.250 L/C TAPERED ENDMILL	76.92	73.85	70.90	68.07
69	69-2040	1.5° X .094 TIP X .750 L/C TAPERED ENDMILL	49.95	47.96	46.04	44.20
69	69-2040-C	1.5° X .094 TIP X .750 L/C TAPERED ENDMILL	52.65	50.55	48.53	46.60
69	69-2050	1.5° X .125 TIP X 1.000 L/C TAPERED ENDMILL	53.37	51.79	49.41	47.50
69	69-2050-C	1.5° X .125 TIP X 1.000 L/C TAPERED ENDMILL	55.94	53.71	51.57	49.52
69	69-2060	1.5° X .250 TIP X 1.250 L/C TAPERED ENDMILL	72.66	69.76	66.97	64.30
69	69-2060-C	1.5° X .250 TIP X 1.250 L/C TAPERED ENDMILL	76.92	73.85	70.90	68.07

69	69-2070	2° X .094 TIP X .750 L/C TAPERED ENDMILL	49.95	47.96	46.04	44.20
69	69-2070-C	2° X .094 TIP X .750 L/C TAPERED ENDMILL	52.65	50.55	48.53	46.60
69	69-2080	2° X .125 TIP X 1.000 L/C TAPERED ENDMILL	53.37	51.79	49.41	47.50
69	69-2080-C	2° X .125 TIP X 1.000 L/C TAPERED ENDMILL	55.94	53.71	51.57	49.52
69	69-2090	2° X .250 TIP X 1.250 L/C TAPERED ENDMILL	72.66	69.76	66.97	64.30
69	69-2090-C	2° X .250 TIP X 1.250 L/C TAPERED ENDMILL	76.92	73.85	70.90	68.07
69	69-3000	3° X .094 TIP X 1.000 L/C TAPERED ENDMILL	53.37	51.79	49.41	47.50
69	69-3000-C	3° X .094 TIP X 1.000 L/C TAPERED ENDMILL	55.94	53.71	51.57	49.52
69	69-3010	3° X .125 TIP X 1.000 L/C TAPERED ENDMILL	53.37	51.79	49.41	47.50
69	69-3010-C	3° X .125 TIP X 1.000 L/C TAPERED ENDMILL	55.94	53.71	51.57	49.52
69	69-3020	3° X .250 TIP X 1.190 L/C TAPERED ENDMILL	72.66	69.76	66.97	64.30
69	69-3020-C	3° X .250 TIP X 1.190 L/C TAPERED ENDMILL	76.92	73.85	70.90	68.07
69	69-3030	4° X .094 TIP X 1.000 L/C TAPERED ENDMILL	53.37	51.79	49.41	47.50
69	69-3030-C	4° X .094 TIP X 1.000 L/C TAPERED ENDMILL	55.94	53.71	51.57	49.52
69	69-3040	4° X .125 TIP X 1.000 L/C TAPERED ENDMILL	68.44	65.71	63.08	60.56
69	69-3040-C	4° X .125 TIP X 1.000 L/C TAPERED ENDMILL	73.46	70.53	67.72	65.01
69	69-3050	4° X .250 TIP X 1.250 L/C TAPERED ENDMILL	106.14	101.90	97.83	93.93
69	69-3050-C	4° X .250 TIP X 1.250 L/C TAPERED ENDMILL	110.52	106.10	101.87	97.80
69	69-3060	5° X .094 TIP X .750 L/C TAPERED ENDMILL	53.37	51.79	49.41	47.50
69	69-3060-C	5° X .094 TIP X .750 L/C TAPERED ENDMILL	55.94	53.71	51.57	49.52
69	69-3070	5° X .125 TIP X 1.250 L/C TAPERED ENDMILL	72.66	69.76	66.97	63.98
69	69-3070-C	5° X .125 TIP X 1.250 L/C TAPERED ENDMILL	76.92	73.85	70.90	68.07
69	69-3080	5° X .250 TIP X 1.250 L/C TAPERED ENDMILL	106.14	101.90	97.83	93.93
69	69-3080-C	5° X .250 TIP X 1.250 L/C TAPERED ENDMILL	110.52	106.10	101.87	97.80
69	69-3090	7° X .094 TIP X .500 L/C TAPERED ENDMILL	53.37	51.79	49.41	47.50
69	69-3090-C	7° X .094 TIP X .500 L/C TAPERED ENDMILL	55.94	53.71	51.57	49.52
69	69-4000	7° X .125 TIP X 1.000 L/C TAPERED ENDMILL	68.44	65.71	63.08	60.56
69	69-4000-C	7° X .125 TIP X 1.000 L/C TAPERED ENDMILL	73.46	70.53	67.72	65.01
69	69-4010	7° X .250 TIP X 1.000 L/C TAPERED ENDMILL	106.14	101.90	97.83	93.93
69	69-4010-C	7° X .250 TIP X 1.000 L/C TAPERED ENDMILL	110.52	106.10	101.87	97.80
69	69-4020	10° X .094 TIP X .750 L/C TAPERED ENDMILL	72.66	69.76	66.97	64.30
69	69-4020-C	10° X .094 TIP X .750 L/C TAPERED ENDMILL	76.92	73.85	70.90	68.07
69	69-4030	10° X .125 TIP X 1.000 L/C TAPERED ENDMILL	106.14	101.90	97.83	93.93
69	69-4030-C	10° X .125 TIP X 1.000 L/C TAPERED ENDMILL	110.52	106.10	101.87	97.80
69	69-4040	10° X .250 TIP X 1.250 L/C TAPERED ENDMILL	154.19	148.03	142.11	136.43
69	69-4040-C	10° X .250 TIP X 1.250 L/C TAPERED ENDMILL	161.84	155.37	149.16	143.20
69	69-4050	15° X .094 TIP X .250 L/C TAPERED ENDMILL	49.95	47.96	46.04	44.20
69	69-4050-C	15° X .094 TIP X .250 L/C TAPERED ENDMILL	52.65	50.55	48.53	46.60

69	69-4060	15° X .125 TIP X .467 L/C TAPERED ENDMILL	72.66	69.76	66.97	64.30
69	69-4060-C	15° X .125 TIP X .467 L/C TAPERED ENDMILL	76.92	73.85	70.90	68.07
69	69-4070	15° X .250 TIP X .467 L/C TAPERED ENDMILL	106.14	101.90	97.83	93.93
69	69-4070-C	15° X .250 TIP X .467 L/C TAPERED ENDMILL	110.52	106.10	101.87	97.80
69	69-4080	30° X .094 TIP X .240 L/C TAPERED ENDMILL	72.66	69.76	66.97	64.30
69	69-4080-C	30° X .094 TIP X .240 L/C TAPERED ENDMILL	76.92	73.85	70.90	68.07
69	69-4090	30° X .125 TIP X .325 L/C TAPERED ENDMILL	100.86	96.82	92.95	89.24
69	69-4090-C	30° X .125 TIP X .375 L/C TAPERED ENDMILL	106.47	102.22	98.13	94.21
69	69-5000	30° X .250 TIP X .430 L/C TAPERED ENDMILL	154.19	148.03	142.11	136.43
69	69-5000-C	30° X .250 TIP X .430 L/C TAPERED ENDMILL	161.84	155.37	149.16	143.20
69	69-5010	45° X .125 TIP X .312 L/C TAPERED ENDMILL	154.19	148.03	142.11	136.43
69	69-5010-C	45° X .125 TIP X .312 L/C TAPERED ENDMILL	161.84	155.37	149.16	143.20
70	70-1100	SP-125-SGL .125 DIA SINGLE END SPLIT BLANK	12.02	11.55	11.09	10.62
70	70-1105	SP-187-SGL .187 DIA SINGLE END SPLIT BLANK	15.42	14.84	14.24	13.65
70	70-1110	SP-250-SGL .250 DIA SINGLE END SPLIT BLANK	19.49	18.74	18.00	17.24
70	70-1115	SP-312-SGL .312 DIA SINGLE END SPLIT BLANK	30.03	28.88	27.72	26.56
70	70-1120	SP-375-SGL .375 DIA SINGLE END SPLIT BLANK	38.76	37.27	35.78	34.29
70	70-1125	SP-500-SGL .500 DIA SINGLE END SPLIT BLANK	60.14	57.82	55.51	53.19
70	70-1200	SP-125-DBL .125 DIA DOUBLE END SPLIT BLANK	13.92	13.39	12.85	12.32
70	70-1205	SP-187-DBL .187 DIA DOUBLE END SPLIT BLANK	17.99	17.29	16.60	15.91
70	70-1210	SP-250-DBL .250 DIA DOUBLE END SPLIT BLANK	21.83	20.98	20.15	19.31
70	70-1215	SP-312-DBL .312 DIA DOUBLE END SPLIT BLANK	35.37	34.02	32.65	31.29
70	70-1220	SP-375-DBL .375 DIA DOUBLE END SPLIT BLANK	46.66	44.86	43.07	41.27
70	70-1225	SP-500-DBL .500 DIA DOUBLE END SPLIT BLANK	73.75	70.92	68.09	65.24
70	70-1400	SP-125-LNG .125 DIA LONG LENGTH SPLIT BLANK	17.71	17.02	16.34	15.66
70	70-1405	SP-187-LNG .187 DIA LONG LENGTH SPLIT BLANK	21.07	20.26	19.45	18.65
70	70-1410	SP-250-LNG .250 DIA LONG LENGTH SPLIT BLANK	25.50	24.52	23.54	22.55
70	70-1415	SP-312-LNG .312 DIA LONG LENGTH SPLIT BLANK	38.66	37.16	35.68	34.19
70	70-1420	SP-375-LNG .375 DIA LONG LENGTH SPLIT BLANK	52.02	50.02	48.02	46.02
70	70-1425	SP-500-LNG .500 DIA LONG LENGTH SPLIT BLANK	81.67	78.53	75.39	72.25
71	71-1005	CCD-031-125 #0 CENTER DRILL	18.02	17.33	16.64	15.94
71	71-1010	CCD-046-125 #1 CENTER DRILL	19.69	18.93	18.17	17.41
71	71-1015	CCD-078-187 #2 CENTER DRILL	25.85	24.86	23.86	22.87
71	71-1020	CCD-109-250 #3 CENTER DRILL	29.75	28.61	27.47	26.33
71	71-1025	CCD-125-312 #4 CENTER DRILL	39.75	38.21	36.69	35.16
71	71-1030	CCD-187-437 #5 CENTER DRILL	56.97	54.77	52.59	50.39
71	71-1035	CCD-218-500 #6 CENTER DRILL	81.91	78.75	75.60	72.46
72	72-1000	DC-250-100 DBL CHAMFER CUTTER	53.94	51.79	49.70	47.74

72	72-1000-C	DC-250-100 DBL CHAMFER CUTTER ALTIN	58.56	56.21	53.97	51.81
72	72-1020	DC-312-135 DBL CHAMFER CUTTER	57.36	55.05	52.86	50.75
72	72-1020-C	DC-312-135 DBL CHAMFER CUTTER ALTIN	61.98	59.50	58.32	54.87
72	72-1030	DC-375-160 DBL CHAMFER CUTTER	62.03	59.54	58.32	54.87
72	72-1030-C	DC-375-160 DBL CHAMFER CUTTER ALTIN	66.65	63.98	61.42	58.97
72	72-1040	DC-500-200 DBL CHAMFER CUTTER	68.85	66.10	63.44	60.90
72	72-1040-C	DC-500-200 DBL CHAMFER CUTTER ALTIN	76.14	73.09	70.17	67.37
72	72-1050	DC-500-260 DBL CHAMFER CUTTER	68.85	66.10	63.44	60.90
72	72-1050-C	DC-500-260 DBL CHAMFER CUTTER ALTIN	76.14	73.09	70.17	67.37
72	72-1060	DC-500-320 DBL CHAMFER CUTTER	68.85	66.10	63.44	60.90
72	72-1060-C	DC-500-320 DBL CHAMFER CUTTER ALTIN	76.14	73.09	70.17	67.37
72	72-1070	DC-500-385 DBL CHAMFER CUTTER	68.85	66.10	63.44	60.90
72	72-1070-C	DC-500-385 DBL CHAMFER CUTTER ALTIN	76.14	73.39	70.72	68.19
72	72-1080	DC-500-510 DBL CHAMFER CUTTER	68.85	66.10	63.44	60.90
72	72-1080-C	DC-500-510 DBL CHAMFER CUTTER ALTIN	76.14	73.09	70.17	67.37
72	72-1090	DC-500-635 DBL CHAMFER CUTTER	68.85	66.10	63.44	60.90
72	72-1090-C	DC-500-635 DBL CHAMFER CUTTER ALTIN	76.14	73.09	70.17	67.37
72	72-2000	DC-500-760 DBL CHAMFER CUTTER	68.85	66.10	63.44	60.90
72	72-2000-C	DC-500-760 DBL CHAMFER CUTTER ALTIN	76.14	73.09	70.17	67.37
73	73-1015	FGS-063-150 .063 X .150 SQUARE DBL FACE GROOVER	57.95	55.72	53.50	51.27
73	73-1015-C	FGS-063-150 .063 X .150 SQUARE DBL FACE GROOVER	65.31	63.08	60.85	58.63
73	73-1020	FGS-094-200 .094 X .200 SQUARE DBL FACE GROOVER	57.95	55.72	53.50	51.27
73	73-2005	FGR-025-65 .025 X .065 FULL RAD DBL FACE GROOVER	60.06	57.75	55.44	53.13
73	73-4000	FGA-250-30 .250 X .30° ANGLE FACE GROOVER	54.11	52.04	49.95	47.87
73	73-4000-C	FGA-250-30 .250 X .30° ANGLE FACE GROOVER	61.52	59.44	57.36	55.28
73	73-4900	.017 X .040 SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-4900-C	.017 X .040 SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-4950	.025 X .065 SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-4950-C	.025 X .065 SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-5000	SFGS-032-095 .032 X .095 SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-5000-C	SFGS-032-095 .032 X .095 SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-5005	SFGS-063-180 .063 X .180 SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-5005-C	SFGS-063-180 .063 X .180 SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-5010	SFGS-094-250 .094 X .250 SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-5010-C	SFGS-094-250 .094 X .250 SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-5015	SFGS-125-280 .125 X .280 SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-5015-C	SFGS-125-280 .125 X .280 SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-5020	SFGS-187-300 .187 X .300 SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35

73	73-5020-C	SFGS-187-300 .187 X .300 SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-5025	SFGS-250-375 .250 X .375 SQUARE NOSE FACE GROOVER	45.68	43.84	42.09	40.41
73	73-5025-C	SFGS-250-375 .250 X .375 SQUARE NOSE FACE GROOVER	48.90	47.06	45.31	43.63
73	73-5030	SFGS-312-500 .312 X .500 SQUARE NOSE FACE GROOVER	45.68	43.84	42.09	40.41
73	73-5030-C	SFGS-312-500 .312 X .500 SQUARE NOSE FACE GROOVER	48.90	47.06	45.31	43.63
73	73-5035	SFGS-370-600 .370 X .600 SQUARE NOSE FACE GROOVER	45.68	43.84	42.09	40.41
73	73-5035-C	SFGS-370-600 .370 X .600 SQUARE NOSE FACE GROOVER	48.90	47.06	45.31	43.63
73	73-5900	.017 X .040 FULL RADIUS FACE GROOVER	44.46	42.76	41.05	39.34
73	73-5900-C	.017 X .040 FULL RADIUS FACE GROOVER	47.68	45.97	44.26	42.55
73	73-5950	.025 X .065 FULL RADIUS FACE GROOVER	44.46	42.76	41.05	39.34
73	73-5950-C	.025 X .065 FULL RADIUS FACE GROOVER	47.68	45.97	44.26	42.55
73	73-6000	SFGR-032-95 .032 X .095 FULL RADIUS FACE GROOVER	44.46	42.76	41.05	39.34
73	73-6000-C	SFGR-032-95 .032 X .095 FULL RADIUS FACE GROOVER	47.68	45.97	44.26	42.55
73	73-6005	SFGR-063-180 1/4 X .063 FULL RADIUS	44.46	42.76	41.05	39.34
73	73-6005-C	SFGR-063-180 1/4 X .063 FULL RADIUS FACE GROOVE	47.68	45.97	44.26	42.55
73	73-6010	SFGR-094-250 1/4 X .094 WIDE FULL RADIUS	44.46	42.76	41.05	39.34
73	73-6010-C	SFGR-094-250 1/4 X .094 WIDE FULL RADIUS	47.68	45.97	44.26	42.55
73	73-6015	SFGR-125-280 1/4 X .125 WIDE FULL RADIUS	44.46	42.76	41.05	39.34
73	73-6015-C	SFGR-125-280 1/4 X .125 WIDE FULL RADIUS	47.68	45.97	44.26	42.55
73	73-6020	SFGR-187-300 1/4 X .187 WIDE FULL RADIUS GROOVE TOOL	44.46	42.76	41.05	39.34
73	73-6020-C	SFGR-187-300 1/4 X .187 WIDE FULL RADIUS GROOVE TOOL	47.68	45.97	44.26	42.55
73	73-6025	SFGR-250-375 .250 X .375 RADIUS NOSE FACE GROOVER	49.17	47.19	45.31	43.49
73	73-6025-C	SFGR-250-375 .250 X .375 RADIUS NOSE FACE GROOVER	53.79	51.81	49.93	48.11
73	73-6030	SFGR-312-500 .312 X .500 RADIUS NOSE FACE GROOVER	49.17	47.19	45.31	43.49
73	73-6030-C	SFGR-312-500 .312 X .500 RADIUS NOSE FACE GROOVER	53.79	51.81	49.93	48.11
73	73-6035	SFGR-370-600 .370 X .600 RADIUS NOSE FACE GROOVER	49.17	47.19	45.31	43.49
73	73-6035-C	SFGR-370-600 .370 X .600 RADIUS NOSE FACE GROOVER	53.79	51.81	49.93	48.11
73	73-7000	SFPO-094 .250 X .094 X .325 PART OFF TOOL	38.39	36.90	35.43	33.95
73	73-7000-C	SFPO-094 .250 X .094 X .325 PART OFF TOOL	41.60	39.93	38.33	36.81
73	73-7020	SFPO-125 .250 X .125 X .400 PART OFF TOOL	38.39	36.90	35.43	33.95
73	73-7020-C	SFPO-125 .250 X .125 X .400 PART OFF TOOL	41.60	39.93	38.33	36.81
73	73-7030	SFPO-187 .375 X .187 X .500 PART OFF TOOL	38.39	36.90	35.43	33.95
73	73-7030-C	SFPO-187 .375 X .187 X .500 PART OFF TOOL	41.60	36.90	35.43	33.95
73	73-7490	.017 X .040 SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-7490-C	.017 X .040 SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-7495	.025 X .065 SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-7495-C	.025 X .065 SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-7500	1/4 X .032 X .095 L.H. SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35

73	73-7500-C	1/4 X .032 X .095 L.H. SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-7505	1/4 X .063 X .180 L.H. SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-7505-C	1/4 X .063 X .180 L.H. SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-7510	1/4 X .094 X .250 L.H. SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-7510-C	1/4 X .094 X .250 L.H. SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-7515	1/4 X .125 X .280 L.H. SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-7515-C	1/4 X .125 X .280 L.H. SQUARE NOSE FACE GROOVER	44.30	42.72	41.18	39.56
73	73-7520	1/4 X .187 X .300 L.H. SQUARE NOSE FACE GROOVER	41.09	39.51	37.93	36.35
73	73-7520-C	1/4 X .187 X .300 L.H. SQUARE NOSE FACE GROOVER	44.30	42.72	41.14	39.56
73	73-7525	3/8 X .250 X .375 L.H. SQUARE NOSE FACE GROOVER	45.68	43.84	42.09	40.41
73	73-7525-C	3/8 X .250 X .375 L.H. SQUARE NOSE FACE GROOVER	48.90	47.06	45.31	43.63
73	73-7530	3/8 X .312 X .500 L.H. SQUARE NOSE FACE GROOVER	45.68	43.84	42.09	40.41
73	73-7530-C	3/8 X .312 X .500 L.H. SQUARE NOSE FACE GROOVER	48.90	47.06	45.31	43.63
73	73-7535	3/8 X .370 X .600 L.H. SQUARE NOSE FACE GROOVER	45.68	43.84	42.09	40.41
73	73-7535-C	3/8 X .370 X .600 L.H. SQUARE NOSE FACE GROOVER	48.90	47.06	45.31	43.63
73	73-7900	1/4 X .017 X .040 L.H. RADIUS NOSE FACE GROOVER	44.48	42.76	41.05	39.33
73	73-7900-C	1/4 X .017 X .040 L.H. RADIUS NOSE FACE GROOVER	47.68	45.97	44.26	42.55
73	73-7950	1/4 X .025 X .065 L.H. RADIUS NOSE FACE GROOVER	44.48	42.76	41.05	39.33
73	73-7950-C	1/4 X .025 X .065 L.H. RADIUS NOSE FACE GROOVER	47.68	45.97	44.26	42.55
73	73-8000	1/4 X .032 X .095 L.H. RADIUS NOSE FACE GROOVER	44.48	42.76	41.05	39.33
73	73-8000-C	1/4 X .032 X .095 L.H. RADIUS NOSE FACE GROOVER	47.68	45.97	44.26	42.55
73	73-8005	1/4 X .063 X .180 L.H. RADIUS NOSE FACE GROOVER	44.48	42.76	41.05	39.33
73	73-8005-C	1/4 X .063 X .180 L.H. RADIUS NOSE FACE GROOVER	47.68	45.97	44.26	42.55
73	73-8010	1/4 X .094 X .250 RADIUS NOSE FACE GROOVER	44.48	42.76	41.05	39.33
73	73-8010-C	1/4 X .094 X .250 L.H. RADIUS NOSE FACE GROOVER	47.68	45.97	44.26	42.55
73	73-8015	1/4 X .125 X .280 RADIUS NOSE FACE GROOVER	44.48	42.76	41.05	39.33
73	73-8015-C	1/4 X .125 X .280 L.H. RADIUS NOSE FACE GROOVER	47.68	45.97	44.26	42.55
73	73-8020	1/4 X .187 X .300 RADIUS NOSE FACE GROOVER	44.48	42.76	41.05	39.33
73	73-8020-C	1/4 X .187 X .300 L.H. RADIUS NOSE FACE GROOVER	47.68	45.97	44.26	42.55
73	73-8025	3/8 X .250 X .375 RADIUS NOSE LH FACE GROOVER	49.17	47.19	45.31	43.49
73	73-8025-C	3/8 X .250 X .375 L.H. RADIUS NOSE FACE GROOVER	53.79	51.81	49.93	48.11
73	73-8030	3/8 X .312 X .500 RADIUS NOSE FACE GROOVER	49.17	47.19	45.31	43.49
73	73-8030-C	3/8 X .312 X .500 L.H. RADIUS NOSE FACE GROOVER	53.79	51.81	49.93	48.11
73	73-8035	3/8 X .370 X .600 RADIUS NOSE FACE GROOVER	49.17	47.19	45.31	43.49
73	73-8035-C	3/8 X .370 X .600 L.H. RADIUS NOSE FACE GROOVER	53.79	51.81	49.93	48.11
74	74-0100	.187 X .0469 LONG KEY CUTTER	56.25	54.00	51.75	49.50
74	74-0100-C	.187 X .0469 LONG KEY CUTTER ALTIN	59.47	57.09	54.80	52.61
74	74-0105	.187 X .0938 LONG KEY CUTTER	56.25	54.00	51.75	49.50

74	74-0105-C	.187 X .0938 LONG KEY CUTTER	59.47	57.09	54.80	52.61
74	74-0110	.250 X .0625 LONG KEY CUTTER	56.25	54.00	51.75	49.50
74	74-0110-C	.250 X .0625 LONG KEY CUTTER	59.47	57.09	54.80	52.61
74	74-0115	.250 X .125 LONG KEY CUTTER	56.25	54.00	51.75	49.50
74	74-0115-C	.250 X .125 LONG KEY CUTTER	59.47	57.09	54.80	52.61
74	74-0120	.312 X .0625 LONG KEY CUTTER	60.86	58.43	55.98	53.56
74	74-0120-C	.312 X .0625 LONG KEY CUTTER	67.98	65.54	63.10	60.68
74	74-0125	.312 X .125 LONG KEY CUTTER	60.86	58.43	55.98	53.56
74	74-0125-C	.312 X .125 LONG KEY CUTTER	67.98	65.54	63.10	60.68
74	74-0130	.375 X .0625 LONG KEY CUTTER	66.52	63.85	61.19	58.54
74	74-0130-C	.375 X .0625 LONG KEY CUTTER	70.96	68.13	65.40	62.79
74	74-0135	.375 X .125 LONG KEY CUTTER	66.52	63.85	61.19	58.54
74	74-0135-C	.375 X .125 LONG KEY CUTTER	70.96	68.13	65.40	62.79
74	74-0140	.500 X .0625 LONG KEY CUTTER	72.71	69.80	66.89	63.98
74	74-0140-C	.500 X .0625 LONG KEY CUTTER	84.08	80.72	77.50	74.39
74	74-0145	.500 X .125 LONG KEY CUTTER	72.71	69.80	66.89	63.98
74	74-0145-C	EK 500-125 .500 X .125 LONG KEY CUTTER	84.08	80.72	77.50	74.39
74	74-0200	5/8 X .0625 LONG SHANK KEY CUTTER	91.30	87.64	84.00	80.34
74	74-0200-C	5/8 X .0625 LONG SHANK KEY CUTTER	104.81	100.61	96.59	92.73
74	74-0205	5/8 X .125 LONG SHANK KEY CUTTER	91.30	87.64	84.00	80.34
74	74-0205-C	5/8 X .125 LONG SHANK KEY CUTTER ALTIN	104.81	100.61	96.59	92.73
74	74-0210	3/4 X .0625 LONG SHANK KEY CUTTER	96.27	92.42	88.58	84.72
74	74-0210-C	3/4 X .0625 LONG SHANK KEY CUTTER ALTIN	111.75	107.28	102.99	98.87
74	74-0215	3/4 X .125 LONG SHANK KEY CUTTER	96.27	92.42	88.58	84.72
74	74-0215-C	3/4 X .125 LONG SHANK KEY CUTTER ALTIN	111.75	107.28	102.99	98.87
74	74-0220	7/8 X .062 LONG SHANK KEY CUTTER	112.26	107.77	103.27	98.79
74	74-0220-C	7/8 X .062 LONG SHANK KEY CUTTER ALTIN	131.83	126.55	121.49	116.63
74	74-0225	7/8 X .125 LONG SHANK KEY CUTTER	112.26	107.77	103.27	98.79
74	74-0225-C	7/8 X .125 LONG SHANK KEY CUTTER ALTIN	131.83	126.55	121.49	116.63
74	74-0230	1 X .0625 LONG SHANK KEY CUTTER	138.10	132.57	127.04	121.52
74	74-0230-C	1 X .0625 LONG SHANK KEY CUTTER	157.66	151.36	145.30	139.49
74	74-0235	1 X .125 LONG SHANK KEY CUTTER	138.10	132.57	127.04	121.52
74	74-0235-C	1 X .125 LONG SHANK KEY CUTTER	157.66	151.36	145.30	139.49
74	74-0240	1-1/4 X .0625 LONG SHANK KEY CUTTER	170.57	163.74	156.93	150.10
74	74-0240-C	1-1/4 X .0625 LONG SHANK KEY CUTTER	190.13	182.53	175.23	168.22
74	74-0245	1-1/4 X .125 LONG SHANK KEY CUTTER	170.57	163.74	156.93	150.10
74	74-0245-C	1-1/4 X .125 LONG SHANK KEY CUTTER	190.13	182.53	175.23	168.22
75	75-1000	SPD-250-82 82° X .250 DIA. SPOTTING DRILL	35.45	34.09	32.73	31.37

75	75-1005	SPD-312-82 82° X .312 DIA. SPOTTING DRILL	46.73	44.92	43.12	41.33
75	75-1010	SPD-375-82 82° X .375 DIA. SPOTTING DRILL	54.27	52.19	50.10	48.01
75	75-1015	SPD-500-82 82° X .500 DIA. SPOTTING DRILL	75.98	73.06	70.14	67.22
75	75-1020	SPD-562-82 82° X .562 DIA. SPOTTING DRILL	137.05	132.93	128.95	125.08
75	75-1025	SPD-687-82 82° X .687 DIA. SPOTTING DRILL	137.05	132.93	128.95	125.08
75	75-1030	SPD-812-82 82° X .812 DIA. SPOTTING DRILL	175.77	170.50	165.39	160.42
75	75-1035	SPD-937-82 82° X .937 DIA. SPOTTING DRILL	175.77	170.50	165.39	160.42
75	75-2000	SPD-125-90 90° X .125 DIA. SPOTTING DRILL	31.19	29.99	28.79	27.59
75	75-2005	SPD-187-90 90° X .187 DIA. SPOTTING DRILL	34.21	32.90	31.58	30.26
75	75-2010	SPD-250-90 90° X .250 DIA. SPOTTING DRILL	35.45	34.09	32.73	31.37
75	75-2015	SPD-312-90 90° X .312 DIA. SPOTTING DRILL	46.73	44.92	43.12	41.33
75	75-2020	SPD-375-90 90° X .375 DIA. SPOTTING DRILL	54.27	52.19	50.10	48.01
75	75-2025	SPD-500-90 90° X .500 DIA. SPOTTING DRILL	75.98	73.06	70.14	67.22
75	75-3000	SPD-125-120 120° X .125 DIA. SPOTTING DRILL	31.19	29.99	28.79	27.59
75	75-3005	SPD-187-120 120° X .187 DIA. SPOTTING DRILL	34.21	32.90	31.58	30.26
75	75-3010	SPD-250-120 120° X .250 DIA. SPOTTING DRILL	35.45	34.09	32.73	31.37
75	75-3015	SPD-312-120 120° X .312 DIA. SPOTTING DRILL	46.73	44.92	43.12	41.33
75	75-3020	SPD-375-120 120° X .375 DIA. SPOTTING DRILL	54.27	52.19	50.10	48.01
75	75-3025	SPD-500-120 120° X .500 DIA. SPOTTING DRILL	75.98	73.06	70.14	67.22
76	76-0795	.094 X .010 SOLID CARBIDE KEY CUTTER	37.33	35.83	34.39	33.02
76	76-0795-C	.094 X .010 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0800	.094 X .015 SOLID CARBIDE KEY CUTTER	37.33	35.83	34.39	33.02
76	76-0800-C	.094 X .015 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0802	.094 X .020 SOLID CARBIDE KEY CUTTER	37.33	35.83	34.39	33.02
76	76-0802-C	.094 X .020 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0804	.094 X .025 SOLID CARBIDE KEY CUTTER	37.33	35.83	33.02	33.02
76	76-0804-C	.094 X .025 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0810	.094 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	37.33	35.83	34.39	33.02
76	76-0810-C	.094 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0812	.094 X .0394 (1mm) SOLID CARBIDE KEY CUTTER	37.33	35.83	34.39	33.02
76	76-0812-C	.094 X .0394 (1mm) SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0815	.094 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	37.33	35.83	34.39	33.02
76	76-0815-C	.094 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0820	.094 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	37.33	35.83	34.39	33.02
76	76-0820-C	.094 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0825	.125 X .010 SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0825-C	.125 X .010 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0900	.125 X .015 SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71

76	76-0900-C	.125 X .015 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0902	.125 X .020 SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0902-C	.125 X .020 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0904	.125 X .025 SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0904-C	.125 X .025 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0906	.125 X .030 SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0906-C	.125 X .030 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0910	.125 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0910-C	.125 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0912	.125 X .035 SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0912-C	.125 X .035 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0914	.125 X .0394 (1mm) SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0914-C	.125 X .0394 (1mm) SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0920	.125 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0920-C	.125 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0922	.125 X .050 SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0922-C	.125 X .050 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0924	.125 X .055 SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0924-C	.125 X .055 SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0926	.125 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0926-C	.125 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0928	.125 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0928-C	.125 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0930	.125 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	35.83	34.41	33.02	31.71
76	76-0930-C	.125 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	39.09	37.52	35.96	34.39
76	76-0932	.156 X .010 SOLID CARBIDE KEY CUTTER	36.10	34.65	33.27	31.95
76	76-0932-C	.156 X .010 SOLID CARBIDE KEY CUTTER	38.47	37.02	35.64	34.31
76	76-0950	.156 X .015 SOLID CARBIDE KEY CUTTER	36.10	34.65	33.27	31.71
76	76-0950-C	.156 X .015 SOLID CARBIDE KEY CUTTER	38.47	37.02	35.64	34.31
76	76-0952	.156 X .020 SOLID CARBIDE KEY CUTTER	36.10	34.65	33.27	31.95
76	76-0952-C	.156 X .020 SOLID CARBIDE KEY CUTTER	37.88	37.02	35.64	34.31
76	76-0954	.156 X .025 SOLID CARBIDE KEY CUTTER	36.10	34.65	33.27	31.95
76	76-0954-C	.156 X .025 SOLID CARBIDE KEY CUTTER	38.47	37.02	35.64	34.31
76	76-0955	.156 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	36.10	34.65	33.27	31.95
76	76-0955-C	.156 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	38.47	37.02	35.64	34.31
76	76-0957	.156 X .0394 (1MM) SOLID CARBIDE KEY CUTTER	36.10	34.65	33.27	31.95
76	76-0957-C	.156 X .0394 (1MM) SOLID CARBIDE KEY CUTTER	38.47	37.02	35.64	34.31
76	76-0960	.156 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	36.10	34.65	33.27	31.95

76	76-0960-C	.156 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	38.47	37.02	35.64	34.31
76	76-0962	.156 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	36.10	34.65	33.27	31.95
76	76-0962-C	.156 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	38.47	37.02	35.64	34.31
76	76-0963	.156 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	36.10	34.65	33.27	31.95
76	76-0963-C	.156 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	38.47	37.02	35.64	34.31
76	76-0964	.156 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	36.10	34.65	33.27	31.95
76	76-0964-C	.156 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	38.47	37.02	35.64	34.31
76	76-0965	.187 X .010 SOLID CARBIDE KEY CUTTER	36.10	34.65	33.27	31.95
76	76-0965-C	.187 X .010 SOLID CARBIDE KEY CUTTER	38.47	37.02	35.64	34.31
76	76-1050	.187 X .015 SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1050-C	.187 X .015 SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1052	.187 X .020 SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1052-C	.187 X .020 SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1054	.187 X .030 SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1054-C	.187 X .030 SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1055	.187 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1055-C	.187 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1057	.187 X .0394 (1MM) SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1057-C	.187 X .0394 (1MM) SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1059	.187 X .040 SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1059-C	.187 X .040 SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1060	.187 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1060-C	.187 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1062	.187 X .050 SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1062-C	.187 X .050 SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1065	.187 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1065-C	.187 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1067	.187 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1067-C	.187 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1068	.187 X .0787 (2MM) SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1068-C	.187 X .0787 (2MM) SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1069	.187 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1069-C	.187 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1075	.187 X .125 (1/8) SOLID CARBIDE KEY CUTTER	36.20	34.75	33.37	32.03
76	76-1075-C	.187 X .125 (1/8) SOLID CARBIDE KEY CUTTER	39.85	38.32	36.88	35.50
76	76-1095	.250 X .010 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1095-C	.250 X .010 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1100	.250 X .015 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31

76	76-1100-C	.250 X .015 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1105	.250 X .018 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1105-C	.250 X .018 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1110	.250 X .020 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1110-C	.250 X .020 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1115	.250 X .023 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1115-C	.250 X .023 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1120	.250 X .025 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1120-C	.250 X .025 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1125	.250 X .028 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1125-C	.250 X .028 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1130	.250 X .030 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1130-C	.250 X .030 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1135	.250 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1135-C	.250 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1140	.250 X .035 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1140-C	.250 X .035 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1145	.250 X .038 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1145-C	.250 X .038 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1147	.250 X .0394 (1mm) SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1147-C	.250 X .0394 (1mm) SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1150	.250 X .040 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1150-C	.250 X .040 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1151	.250 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1151-C	.250 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1153	.250 X .050 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1153-C	.250 X .050 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1154	.250 X .060 SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1154-C	.250 X .060 SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1155	.250 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1155-C	.250 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1157	.250 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1157-C	.250 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1158	.250 X .0787 (2mm) SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1158-C	.250 X .0787 (2mm) SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1159	.250 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	39.85	38.31	36.79	35.31
76	76-1159-C	.250 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	44.65	43.05	41.51	40.04
76	76-1160	.312 X .015 SOLID CARBIDE KEY CUTTER	51.92	49.92	47.93	45.92

76	76-1160-C	.312 X .015 SOLID CARBIDE KEY CUTTER	58.96	56.59	54.33	52.14
76	76-1165	.312 X .020 SOLID CARBIDE KEY CUTTER	51.92	49.92	47.93	45.92
76	76-1165-C	.312 X .020 SOLID CARBIDE KEY CUTTER	58.96	56.59	54.33	52.14
76	76-1170	.312 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	51.92	49.92	47.93	45.92
76	76-1170-C	.312 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	58.96	56.59	54.33	52.14
76	76-1172	.312 X .0394 (1mm) SOLID CARBIDE KEY CUTTER	51.92	49.92	47.93	45.92
76	76-1172-C	.312 X .0394 (1mm) SOLID CARBIDE KEY CUTTER	58.96	56.59	54.33	52.14
76	76-1175	.312 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	51.92	49.92	47.93	45.92
76	76-1175-C	.312 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	58.96	56.59	54.33	52.14
76	76-1180	.312 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	51.92	49.92	47.93	45.92
76	76-1180-C	.312 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	58.96	56.59	54.33	52.14
76	76-1182	.312 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	51.92	49.92	47.93	45.92
76	76-1182-C	.312 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	58.96	56.59	54.33	52.14
76	76-1184	.312 X .0787 (2mm) SOLID CARBIDE KEY CUTTER	51.92	49.92	47.93	45.92
76	76-1184-C	.312 X .0787 (2mm) SOLID CARBIDE KEY CUTTER	58.96	56.59	54.33	52.14
76	76-1185	.312 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	51.92	49.92	47.93	45.92
76	76-1185-C	.312 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	58.96	56.59	54.33	52.14
76	76-1190	.312 X .125 (1/8) SOLID CARBIDE KEY CUTTER	51.92	49.92	47.93	45.92
76	76-1190-C	.312 X .125 (1/8) SOLID CARBIDE KEY CUTTER	58.96	56.59	54.33	52.14
76	76-1195	.312 X .1562 (5/32) SOLID CARBIDE KEY CUTTER	51.92	49.92	47.93	45.92
76	76-1195-C	.312 X .1562 (5/32) SOLID CARBIDE KEY CUTTER	58.96	56.59	54.33	52.14
76	76-1197	.375 X .010 SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1197-C	.375 X .010 SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1198	.375 X .015 SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1198-C	.375 X .015 SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1199	.375 X .020 SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1199-C	.375 X .020 SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1200	.375 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1200-C	.375 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1202	.375 X .0394 (1MM) SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1202-C	.375 X .0394 (1MM) SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1205	.375 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1205-C	.375 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1210	.375 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1210-C	.375 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1212	.375 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1212-C	.375 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1213	.375 X .0787 (2mm) SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24

76	76-1213-C	.375 X .0787 (2mm) SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1215	.375 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1215-C	.375 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1220	.375 X .125 (1/8) SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1220-C	.375 X .125 (1/8) SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1225	.375 X .1562 (5/32) SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1225-C	.375 X .1562 (5/32) SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1230	.375 X .1875 (3/16) SOLID CARBIDE KEY CUTTER	60.20	57.54	56.65	52.24
76	76-1230-C	.375 X .1875 (3/16) SOLID CARBIDE KEY CUTTER	66.28	63.62	60.98	58.32
76	76-1232	.500 X .015 SOLID CARBIDE KEY CUTTER	61.67	59.30	57.25	54.56
76	76-1232-C	.500 X .015 SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1235	.500 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	61.67	59.30	57.25	54.56
76	76-1235-C	.500 X .0312 (1/32) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1237	.500 X .0394 (1mm) SOLID CARBIDE KEY CUTTER	61.67	59.30	57.25	54.56
76	76-1237-C	.500 X .0394 (1mm) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1240	.500 X .0468 (3/64) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1240-C	.500 X .0469 (3/64) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1245	.500 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1245-C	.500 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1247	.500 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1247-C	.500 X .0781 (5/64) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1248	.500 X .0787 (2MM) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1248-C	.500 X .0787 (2MM) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1250	.500 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1250-C	.500 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1252	.500 X .1181 (3MM) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1252-C	.500 X .1181 (3MM) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1255	.500 X .125 (1/8) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1255-C	.500 X .125 (1/8) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1257	.500 X .1406 (9/64) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1257-C	.500 X .1406 (9/64) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1260	.500 X .1562 (5/32) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1260-C	.500 X .1562 (5/32) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1262	.500 X .1575 (4MM) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1262-C	.500 X .1575 (4MM) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1265	.500 X .1875 SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1265-C	.500 X .1875 (3/16) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1267	.500 X .1969 (5MM) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56

76	76-1267-C	.500 X .1969 (5MM) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1268	.500 X .2344 (15/64) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1268-C	.500 X .2344 (15/64) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1269	.500 X .2362 (6MM) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1269-C	.500 X .2362 (6MM) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1270	.500 X .250 (1/4) SOLID CARBIDE KEY CUTTER	61.67	59.30	56.92	54.56
76	76-1270-C	.500 X .250 (1/4) SOLID CARBIDE KEY CUTTER	71.08	68.24	65.39	62.55
76	76-1280	.625 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	126.80	121.72	116.86	112.18
76	76-1280-C	.625 X .0625 (1/16) SOLID CARBIDE KEY CUTTER	134.89	129.49	124.31	119.34
76	76-1290	.625 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	126.80	121.72	116.86	112.18
76	76-1290-C	.625 X .0938 (3/32) SOLID CARBIDE KEY CUTTER	134.89	129.49	124.31	119.34
76	76-1300	.625 X .1250 (1/8) SOLID CARBIDE KEY CUTTER	126.80	121.72	116.86	112.18
76	76-1300-C	.625 X .1250 (1/8) SOLID CARBIDE KEY CUTTER	134.89	129.49	124.31	119.34
76	76-1310	.625 X .1875 (3/16) SOLID CARBIDE KEY CUTTER	126.80	121.72	116.86	112.18
76	76-1310-C	.625 X .1875 (3/16) SOLID CARBIDE KEY CUTTER	134.89	129.49	124.31	119.34
76	76-1320	.625 X .250 (1/4) SOLID CARBIDE KEY CUTTER	126.80	121.72	116.86	112.18
76	76-1320-C	.625 X .250 (1/4) SOLID CARBIDE KEY CUTTER	134.89	129.49	124.31	119.34
76	76-1400	AKS-250-015 1/4 X .015 SOLID CARBIDE KEYCUTTER	50.87	48.91	46.96	45.01
76	76-1400-C	AKS-250-015 1/4 X .015 SOLID CARBIDE KEYCUTTER	53.96	51.79	49.72	47.74
76	76-1435	AKS-250-031 1/4 X .0312 SOLID CARBIDE KEYCUTTER	50.87	48.91	46.97	45.00
76	76-1435-C	AKS-250-031 1/4 X .0312 SOLID CARBIDE KEYCUTTER W/ ZRN	53.96	51.79	49.72	47.74
76	76-1455	AKS-250-062 1/4 X .0625 SOLID CARBIDE KEYCUTTER	50.87	48.91	46.96	45.01
76	76-1455-C	AKS-250-062 1/4 X .0625 SOLID CARBIDE KEYCUTTER W/ ZRN	53.96	51.79	49.72	47.74
76	76-1460	AKS-312-015 5/16 X .015 SOLID CARBIDE KEYCUTTER	51.92	49.92	47.93	45.92
76	76-1460-C	AKS-312-015 5/16 X .015 SOLID CARBIDE KEYCUTTER	56.53	54.54	52.54	50.54
76	76-1470	AKS-312-031 5/16 X .0312 SOLID CARBIDE KEYCUTTER	51.92	49.92	47.93	45.92
76	76-1470-C	AKS-312-031 5/16 X .0312 SOLID CARBIDE KEYCUTTER	56.53	54.54	52.54	50.54
76	76-1480	AKS-312-062 5/16 X .0625 SOLID CARBIDE KEYCUTTER	51.92	49.92	47.93	45.92
76	76-1480-C	AKS-312-062 5/16 X .0625 SOLID CARBIDE KEYCUTTER	56.53	54.54	52.54	50.54
76	76-1485	AKS-312-093 5/16 X .0938 SOLID CARBIDE KEYCUTTER	51.92	49.92	47.93	45.92
76	76-1485-C	AKS-312-093 5/16 X .0938 SOLID CARBIDE KEYCUTTER W/ ZRN COATING	56.54	54.53	52.54	50.54
76	76-1490	AKS-312-125 5/16 X .125 SOLID CARBIDE KEYCUTTER	51.92	49.92	47.93	45.92
76	76-1490-C	AKS-312-125 5/16 X .125 SOLD CARBIDE KEYCUTTER	56.53	54.54	52.54	50.54
76	76-1500	AKS-375-031 3/8 X .0312 SOLID CARBIDE KEYCUTTER	60.20	57.54	56.65	52.24
76	76-1500-C	AKS-375-031 3/8 X .0312 SOLID CARBIDE KEY CUTTER ZRN COAT	64.65	61.98	61.10	56.68
76	76-1510	AKS-375-062 3/8 X .0625 SOLID CARBIDE KEYCUTTER	60.20	57.54	56.65	52.24
76	76-1510-C	AKS-375-062 3/8 X .0625 SOLID CARBIDE KEYCUTTER ZRN COATING	64.65	61.98	61.10	56.68
76	76-1515	AKS-375-093 3/8 X .0938 SOLID CARBIDE KEYCUTTER	60.20	57.54	56.65	52.24

76	76-1515-C	AKS-375-093 3/8 X .0938 SOLID CARBIDE KEYCUTTER W/ ZRN	58.41	61.98	61.10	56.68
76	76-1520	AKS-375-125 3/8 X .125 SOLID CARBIDE KEYCUTTER	60.20	57.54	56.65	52.24
76	76-1520-C	AKS-375-125 3/8 X .125 SOLID CARBIDE KEYCUTTER	64.65	61.98	61.10	56.68
76	76-1530	AKS-375-187 3/8 X .1875 SOLID CARBIDE KEYCUTTER	60.20	57.54	56.65	52.24
76	76-1530-C	AKS-375-187 3/8 X .1875 SOLID CARBIDE KEYCUTTER	64.65	61.98	61.10	56.68
76	76-1535	AKS-500-031 1/2 X .0312 SOLID CARBIDE KEYCUTTER	61.67	59.30	57.25	54.56
76	76-1535-C	AKS-500-031 1/2 X .0312 SOLID CARBIDE KEYCUTTER	68.68	65.94	63.29	60.77
76	76-1545	AKS-500-062 1/2 X .0625 SOLID CARBIDE KEYCUTTER	61.67	59.30	56.92	54.56
76	76-1545-C	AKS-500-062 1/2 X .0625 SOLID CARBIDE KEYCUTTER	68.68	65.94	63.29	60.77
76	76-1550	AKS-500-093 1/2 X .0938 SOLID CARBIDE KEYCUTTER	61.67	59.30	56.92	54.56
76	76-1550-C	AKS-500-093 1/2 X .0938 SOLID CARBIDE KEYCUTTER	68.68	65.94	63.29	60.77
76	76-1555	AKS-500-125 1/2 X .125 SOLID CARBIDE KEYCUTTER	61.67	59.30	56.92	54.56
76	76-1555-C	AKS-500-125 1/2 X .125 SOLID CARBIDE KEYCUTTER	68.68	65.94	63.29	60.77
76	76-1560	AKS-500-156 1/2 X .1562 SOLID CARBIDE KEYCUTTER	61.67	59.30	56.92	54.56
76	76-1560-C	AKS-500-156 1/2 X .1562 SOLID CARBIDE KEYCUTTER	68.68	65.94	63.29	60.77
76	76-1565	AKS-500-187 1/2 X .1875 SOLID CARBIDE KEYCUTTER	61.67	59.30	56.92	54.56
76	76-1565-C	AKS-500-187 1/2 X .1875 SOLID CARBIDE KEYCUTTER	68.68	65.94	63.29	60.77
76	76-1570	AKS-500-250 1/2 X .250 SOLID CARBIDE KEYCUTTER	61.67	59.30	56.92	54.56
76	76-1570-C	AKS-500-250 1/2 X .250 SOLID CARBIDE KEYCUTTER	68.68	65.94	63.29	60.77
76	76-9000	3/8 X .0312 1/4 SHANK KEY CUTTER	73.00	70.08	67.28	64.58
76	76-9000-C	3/8 X .0312 1/4 SHANK KEY CUTTER	77.44	74.52	71.72	69.02
76	76-9010	3/8 X .0625 1/4 SHANK KEY CUTTER	73.00	70.08	67.28	64.58
76	76-9010-C	3/8 X .0625 1/4 SHANK KEY CUTTER	73.00	70.08	67.28	64.58
76	76-9015	3/8 X .0938 1/4 SHANK KEY CUTTER	73.00	70.08	67.28	64.58
76	76-9015-C	3/8 X .0938 1/4 SHANK KEY CUTTER	79.07	73.49	70.79	68.19
76	76-9020	3/8 X .125 1/4 SHANK KEY CUTTER	73.00	70.08	67.28	64.58
76	76-9020-C	3/8 X .125 1/4 SHANK KEY CUTTER	79.07	73.49	70.79	68.19
76	76-9025	1/2 X .0312 1/4 SHANK KEY CUTTER	77.90	74.77	71.79	68.92
76	76-9025-C	1/2 X .0312 1/4 SHANK KEY CUTTER W/ALTIM	85.73	82.43	76.21	73.16
76	76-9030	1/2 X .0625 1/4 SHANK KEY CUTTER	77.90	74.77	71.79	68.92
76	76-9030-C	1/2 X .0625 1/4 SHANK KEY CUTTER W/ ALTIM	85.73	82.43	76.21	73.16
76	76-9035	1/2 X .0938 1/4 SHANK KEY CUTTER	77.90	74.77	71.79	68.92
76	76-9035-C	1/2 X .0938 1/4 SHANK KEY CUTTER	85.73	82.43	76.21	73.16
76	76-9040	1/2 X .1250 1/4 SHANK KEY CUTTER	77.90	74.77	71.79	68.92
76	76-9040-C	1/2 X .1250 1/4 SHANK KEY CUTTER	85.73	82.43	76.21	73.16
76	76-9045	5/8 X .0312 1/4 SHANK KEY CUTTER	78.85	75.69	72.66	69.76
76	76-9045-C	5/8 X .0312 1/4 SHANK KEY CUTTER	86.54	83.38	80.35	77.45
76	76-9050	5/8 X .0625 1/4 SHANK KEY CUTTER	78.85	75.69	72.66	69.76

76	76-9050-C	5/8 X .0625 1/4 SHANK KEY CUTTER	86.54	83.08	79.76	76.56
76	76-9055	5/8 X .0938 1/4 SHANK KEY CUTTER	78.85	75.69	72.66	69.76
76	76-9055-C	5/8 X .0938 1/4 SHANK KEY CUTTER	86.54	83.08	79.76	76.56
76	76-9060	5/8 X .1250 1/4 SHANK KEY CUTTER	78.85	75.69	72.66	69.76
76	76-9060-C	5/8 X .1250 1/4 SHANK KEY CUTTER	86.54	83.38	80.35	77.45
77	77-1900	.187 X .018 RETAINING RING KEY CUTTER	50.87	48.83	46.79	44.76
77	77-1900-C	.187 X .018 RETAINING RING KEY CUTTER ALTIN	52.49	50.46	48.41	46.30
77	77-1910	.187 X .029 RETAINING RING KEY CUTTER	50.87	48.83	46.79	44.76
77	77-1910-C	.187 X .029 RETAINING RING KEY CUTTER	52.49	50.46	48.41	46.38
77	77-1920	.250 X .039 RETAINING RING KEY CUTTER	50.87	48.83	46.79	44.76
77	77-1920-C	.250 X .039 RETAINING RING KEY CUTTER ALTIN	54.08	51.92	49.84	47.85
77	77-1930	.250 X .046 RETAINING RING KEY CUTTER	50.87	48.83	46.79	44.76
77	77-1930-C	.250 X .046 RETAINING RING KEY CUTTER ALTIN	54.08	51.92	49.84	47.85
77	77-1940	.312 X .056 RETAINING RING KEY CUTTER	51.92	49.83	47.76	45.68
77	77-1940-C	.312 X .056 RETAINING RING KEY CUTTER ALTIN	56.54	54.27	52.10	50.02
77	77-1950	.375 X .068 RETAINING RING KEY CUTTER	59.24	56.86	54.50	52.12
77	77-1950-C	.375 X .068 RETAINING RING KEY CUTTER ALTIN	63.86	61.31	58.85	56.49
77	77-1960	.375 X .086 RETAINING RING KEY CUTTER	59.24	56.86	54.50	52.12
77	77-1960-C	.375 X .086 RETAINING RING KEY CUTTER ALTIN	63.86	61.31	58.85	56.49
77	77-1970	.500 X .103 RETAINING RING KEY CUTTER	61.67	59.22	56.74	54.27
77	77-1970-C	.500 X .103 RETAINING RING KEY CUTTER ALTIN	68.96	66.20	63.55	61.01
77	77-1980	.500 X .120 RETAINING RING KEY CUTTER	61.67	59.22	56.74	54.27
77	77-1980-C	.500 X .120 RETAINING RING KEY CUTTER ALTIN	68.96	66.20	63.55	61.01
78	78-0870	1/2 X .0312 3/8 SHANK CARBIDE HEAD KEY CUTTER	51.90	49.89	47.85	45.74
78	78-0870-C	1/2 X .0312 3/8 SHANK CARBIDE HEAD KEY CUTTER	60.81	58.35	56.02	53.78
78	78-0875	1/2 X .0469 3/8 SHANK CARBIDE HEAD KEY CUTTER	51.90	49.89	47.90	45.90
78	78-0875-C	1/2 X .0469 3/8 SHANK CARBIDE HEAD KEY CUTTER	60.81	58.35	56.02	53.78
78	78-0880	1/2 X .0625 3/8 SHANK CARBIDE HEAD KEY CUTTER	51.90	49.89	47.90	45.90
78	78-0880-C	1/2 X .0625 3/8 SHANK CARBIDE HEAD KEY CUTTER	60.81	58.35	56.02	53.78
78	78-0885	1/2 X .0781 3/8 SHANK CARBIDE HEAD KEY CUTTER	51.90	49.89	47.85	45.74
78	78-0885-C	1/2 X .0781 3/8 SHANK CARBIDE HEAD KEY CUTTER	60.81	58.35	56.02	53.78
78	78-0890	1/2 X .0938 3/8 SHANK CARBIDE HEAD KEY CUTTER	51.90	49.89	47.90	45.90
78	78-0890-C	1/2 X .0938 3/8 SHANK CARBIDE HEAD KEY CUTTER	60.81	58.35	56.02	53.78
78	78-0895	1/2 X .125 3/8 SHANK CARBIDE HEAD KEY CUTTER	51.90	49.89	47.90	45.90
78	78-0895-C	1/2 X .125 3/8 SHANK CARBIDE HEAD KEY CUTTER	60.81	58.35	56.02	53.78
78	78-0897	1/2 X .1562 3/8 SHANK CARBIDE HEAD KEY CUTTER	51.90	49.89	47.90	45.91
78	78-0897-C	1/2 X .1562 3/8 SHANK CARBIDE HEAD KEY CUTTER	60.81	58.35	56.02	53.78
78	78-0900	5/8 X .0312 3/8 SHANK CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18

78	78-0900-C	5/8 X .0312 3/8 SHANK CARBIDE HEAD KEY CUTTER	76.90	73.82	70.88	68.03
78	78-0902	5/8 X .0469 3/8 SHANK CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-0902-C	5/8 X .0469 3/8 SHANK CARBIDE HEAD KEY CUTTER	76.90	73.82	70.88	68.03
78	78-0905	5/8 X .0625 3/8 SHANK CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-0905-C	5/8 X .0625 3/8 SHANK CARBIDE HEAD KEY CUTTER	76.90	73.82	70.88	68.03
78	78-0907	5/8 X .0781 3/8 SHANK CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-0907-C	5/8 X .0781 3/8 SHANK CARBIDE HEAD KEY CUTTER	76.90	73.82	70.88	68.03
78	78-0910	5/8 X .0938 3/8 SHANK CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-0910-C	5/8 X .0938 3/8 SHANK CARBIDE HEAD KEY CUTTER	76.90	73.82	70.88	68.03
78	78-0915	5/8 X .125 3/8 SHANK CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-0915-C	5/8 X .125 3/8 SHANK CARBIDE HEAD KEY CUTTER	76.90	73.82	70.88	68.03
78	78-0917	5/8 X .1562 3/8 SHANK CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-0917-C	5/8 X .1562 3/8 SHANK CARBIDE HEAD KEY CUTTER	76.90	73.82	70.88	68.03
78	78-0918	5/8 X .1875 3/8 SHANK CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-0918-C	5/8 X .1875 3/8 SHANK CARBIDE HEAD KEY CUTTER	76.90	73.82	70.88	68.03
78	78-0920	3/4 X .0312 3/8 SHANK CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-0920-C	3/4 X .0312 3/8 SHANK CARBIDE HEAD KEY CUTTER	102.50	98.40	94.47	90.69
78	78-0922	3/4 X .0469 3/8 SHANK CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-0922-C	3/4 X .0469 3/8 SHANK CARBIDE HEAD KEY CUTTER	102.50	98.40	94.47	90.69
78	78-0925	3/4 X .0625 3/8 SHANK CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-0925-C	3/4 X .0625 3/8 SHANK CARBIDE HEAD KEY CUTTER	102.50	98.40	94.47	90.69
78	78-0927	3/4 X .0781 3/8 SHANK CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-0927-C	3/4 X .0781 3/8 SHANK CARBIDE HEAD KEY CUTTER	102.50	98.40	94.47	90.69
78	78-0930	3/4 X .0938 3/8 SHANK CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-0930-C	3/4 X .0938 3/8 SHANK CARBIDE HEAD KEY CUTTER	102.50	98.40	94.47	90.69
78	78-0935	3/4 X .125 3/8 SHANK CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-0935-C	3/4 X .125 3/8 SHANK CARBIDE HEAD KEY CUTTER	102.50	98.40	94.47	90.69
78	78-0937	3/4 X .1562 3/8 SHANK CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-0937-C	3/4 X .1562 3/8 SHANK CARBIDE HEAD KEY CUTTER	102.50	98.40	94.47	90.69
78	78-0939	3/4 X .1875 3/8 SHANK CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-0939-C	3/4 X .1875 3/8 SHANK CARBIDE HEAD KEY CUTTER	102.50	98.40	94.47	90.69
78	78-0945	1 X .0312 3/8 SHANK CARBIDE HEAD KEY CUTTER	109.17	104.97	100.77	96.57
78	78-0945-C	1 X .0312 3/8 SHANK CARBIDE HEAD KEY CUTTER	124.27	120.07	115.87	111.66
78	78-0950	1 X .0469 3/8 SHANK CARBIDE HEAD KEY CUTTER	109.17	104.97	100.77	96.57
78	78-0950-C	1 X .0469 3/8 SHANK CARBIDE HEAD KEY CUTTER	124.27	120.07	115.87	111.66
78	78-0955	1 X .0625 3/8 SHANK CARBIDE HEAD KEY CUTTER	109.17	104.97	100.77	96.57
78	78-0955-C	1 X .0625 3/8 SHANK CARBIDE HEAD KEY CUTTER	124.27	120.07	115.87	111.66
78	78-0960	1 X .0781 3/8 SHANK CARBIDE HEAD KEY CUTTER	109.17	104.97	100.77	96.57

78	78-0960-C	1 X .0781 3/8 SHANK CARBIDE HEAD KEY CUTTER	124.27	120.07	115.87	111.66
78	78-0965	1 X .0938 3/8 SHANK CARBIDE HEAD KEY CUTTER	109.17	104.97	100.77	96.57
78	78-0965-C	1 X .0938 3/8 SHANK CARBIDE HEAD KEY CUTTER	124.27	120.07	115.87	111.66
78	78-0970	1 X .125 3/8 SHANK CARBIDE HEAD KEY CUTTER	109.17	104.97	100.77	96.57
78	78-0970-C	1 X .125 3/8 SHANK CARBIDE HEAD KEY CUTTER	124.27	120.07	115.87	111.66
78	78-1090	3/8 X .0156 CARBIDE HEAD KEY CUTTER	48.73	46.85	44.98	43.10
78	78-1090-C	3/8 X .0156 CARBIDE HEAD KEY CUTTER	56.82	54.95	53.07	51.19
78	78-1095	3/8 X .0312 CARBIDE HEAD KEY CUTTER	48.73	46.85	44.98	43.10
78	78-1095-C	3/8 X .0312 CARBIDE HEAD KEY CUTTER	56.82	54.95	53.07	51.19
78	78-1100	3/8 X .0469 CARBIDE HEAD KEY CUTTER	48.73	46.85	44.98	43.10
78	78-1100-C	3/8 X .0469 CARBIDE HEAD KEY CUTTER	56.82	54.95	53.07	51.19
78	78-1105	3/8 X .0625 CARBIDE HEAD KEY CUTTER	48.73	46.85	44.98	43.10
78	78-1105-C	3/8 X .0625 CARBIDE HEAD KEY CUTTER	56.82	54.95	53.07	51.19
78	78-1106	3/8 X .0781 CARBIDE HEAD KEY CUTTER	48.73	46.85	44.98	43.10
78	78-1106-C	3/8 X .0781 CARBIDE HEAD KEY CUTTER	56.82	54.95	53.07	51.19
78	78-1110	3/8 X .0938 CARBIDE HEAD KEY CUTTER	48.73	46.85	44.98	43.10
78	78-1110-C	3/8 X .0938 CARBIDE HEAD KEY CUTTER	56.82	54.95	53.07	51.19
78	78-1115	3/8 X .125 CARBIDE HEAD KEY CUTTER	48.73	46.85	44.98	43.10
78	78-1115-C	3/8 X .125 CARBIDE HEAD KEY CUTTER	56.82	54.95	53.07	51.19
78	78-1116	7/16 X .0312 CARBIDE HEAD KEY CUTTER	64.55	62.06	59.59	57.10
78	78-1116-C	7/16 X .0312 CARBIDE HEAD KEY CUTTER	72.64	69.73	66.94	64.27
78	78-1117	7/16 X .0625 CARBIDE HEAD KEY CUTTER	64.55	62.06	59.59	57.10
78	78-1117-C	7/16 X .0625 CARBIDE HEAD KEY CUTTER	72.64	69.73	66.94	64.27
78	78-1118	7/16 X .125 CARBIDE HEAD KEY CUTTER	64.55	62.06	59.59	57.10
78	78-1118-C	7/16 X .125 CARBIDE HEAD KEY CUTTER	72.64	69.73	66.94	64.27
78	78-1119	1/2 X .0156 CARBIDE HEAD KEY CUTTER	67.08	64.51	61.92	59.34
78	78-1119-C	1/2 X .0156 CARBIDE HEAD KEY CUTTER	76.30	73.72	71.14	68.55
78	78-1120	1/2 X .0312 CARBIDE HEAD KEY CUTTER	67.08	64.51	61.92	59.34
78	78-1120-C	1/2 X .0312 CARBIDE HEAD KEY CUTTER	76.30	73.72	71.14	68.55
78	78-1125	1/2 X .0469 CARBIDE HEAD KEY CUTTER	64.55	62.06	59.59	57.10
78	78-1125-C	1/2 X .0469 CARBIDE HEAD KEY CUTTER	72.64	69.73	66.94	64.27
78	78-1130	1/2 X .0625 #204 CARBIDE HEAD KEY CUTTER	51.90	49.89	47.90	45.90
78	78-1130-C	1/2 X .0625 #204 CARBIDE HEAD KEY CUTTER	61.11	59.28	57.50	55.78
78	78-1135	1/2 X .0781 CARBIDE HEAD KEY CUTTER	64.55	62.06	59.59	57.10
78	78-1135-C	1/2 X .0781 CARBIDE HEAD KEY CUTTER	72.64	69.73	66.94	64.27
78	78-1140	1/2 X .0938 #304 CARBIDE HEAD KEY CUTTER	51.90	49.89	47.90	45.90
78	78-1140-C	1/2 X .0938 #304 CARBIDE HEAD KEY CUTTER	61.11	59.28	57.50	55.78
78	78-1145	1/2 X .1094 CARBIDE HEAD KEY CUTTER	64.55	62.06	59.59	57.10

78	78-1145-C	1/2 X .1094 CARBIDE HEAD KEY CUTTER	72.64	69.73	66.94	64.27
78	78-1150	1/2 X .125 #404 CARBIDE HEAD KEY CUTTER	64.55	62.06	59.59	57.10
78	78-1150-C	1/2 X .125 #404 CARBIDE HEAD KEY CUTTER	72.64	69.73	66.94	64.27
78	78-1155	1/2 X .1562 CARBIDE HEAD KEY CUTTER	64.55	62.06	59.59	57.10
78	78-1155-C	1/2 X .1562 CARBIDE HEAD KEY CUTTER	72.64	69.73	66.94	64.27
78	78-1156	9/16 X .0312 CARBIDE HEAD KEY CUTTER	66.88	64.31	61.74	59.16
78	78-1156-C	9/16 X .0312 CARBIDE HEAD KEY CUTTER	77.02	74.46	71.88	69.31
78	78-1157	9/16 X .0625 CARBIDE HEAD KEY CUTTER	66.88	64.31	61.74	59.16
78	78-1157-C	9/16 X .0625 CARBIDE HEAD KEY CUTTER	77.02	74.46	71.88	69.31
78	78-1158	9/16 X .125 CARBIDE HEAD KEY CUTTER	66.88	64.31	61.74	59.16
78	78-1158-C	9/16 X .125 CARBIDE HEAD KEY CUTTER	77.02	74.46	71.88	69.31
78	78-1159	5/8 X .0156 CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-1159-C	5/8 X .0156 CARBIDE HEAD KEY CUTTER	78.18	75.56	72.94	70.33
78	78-1160	5/8 X .0312 CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-1160-C	5/8 X .0312 CARBIDE HEAD KEY CUTTER	78.18	75.56	72.94	70.33
78	78-1165	5/8 X .0469 CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-1165-C	5/8 X .0469 CARBIDE HEAD KEY CUTTER	78.18	75.56	72.94	70.33
78	78-1170	5/8 X .0625 CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-1170-C	5/8 X .0625 CARBIDE HEAD KEY CUTTER	78.18	75.56	72.94	70.33
78	78-1175	5/8 X .0781 CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-1175-C	5/8 X .0781 CARBIDE HEAD KEY CUTTER	78.18	75.56	72.94	70.33
78	78-1180	5/8 X .0938 #305 CARBIDE HEAD KEY CUTTER	52.90	50.87	48.83	46.80
78	78-1180-C	5/8 X .0938 #305 CARBIDE HEAD KEY CUTTER	63.05	61.01	58.98	56.95
78	78-1185	5/8 X .1094 CARBIDE HEAD KEY CUTTER	70.88	68.15	65.43	62.70
78	78-1185-C	5/8 X .1094 CARBIDE HEAD KEY CUTTER	81.02	78.30	75.57	72.85
78	78-1190	5/8 X .125 #405 CARBIDE HEAD KEY CUTTER	55.82	53.67	51.55	49.38
78	78-1190-C	5/8 X .125 #405 CARBIDE HEAD KEY CUTTER	65.97	63.99	62.07	60.20
78	78-1195	5/8 X .1406 CARBIDE HEAD KEY CUTTER	59.49	57.20	54.91	52.62
78	78-1195-C	5/8 X .1406 CARBIDE HEAD KEY CUTTER	69.63	67.55	65.50	63.55
78	78-1200	5/8 X .1562 #505 CARBIDE HEAD KEY CUTTER	57.47	55.25	53.04	50.84
78	78-1200-C	5/8 X .1562 #505 CARBIDE HEAD KEY CUTTER	67.61	65.60	63.62	61.71
78	78-1205	5/8 X .1875 #605 CARBIDE HEAD KEY CUTTER	59.36	57.08	54.79	52.51
78	78-1205-C	5/8 X .1875 #605 CARBIDE HEAD KEY CUTTER	69.50	67.42	65.39	63.44
78	78-1210	5/8 X .2031 CARBIDE HEAD KEY CUTTER	74.67	71.81	68.93	66.06
78	78-1210-C	5/8 X .2031 CARBIDE HEAD KEY CUTTER	84.82	82.28	79.78	77.41
78	78-1215	5/8 X .2188 CARBIDE HEAD KEY CUTTER	77.84	74.85	71.85	68.85
78	78-1215-C	5/8 X .2188 CARBIDE HEAD KEY CUTTER	87.99	84.99	82.00	79.35
78	78-1220	5/8 X .250 CARBIDE HEAD KEY CUTTER	85.88	82.57	79.27	75.97

78	78-1220-C	5/8 X .250 CARBIDE HEAD KEY CUTTER	96.02	93.15	90.35	87.64
78	78-1225	5/8 X .2812 CARBIDE HEAD KEY CUTTER	98.78	94.99	91.19	87.39
78	78-1225-C	5/8 X .2812 CARBIDE HEAD KEY CUTTER	108.93	105.66	102.49	99.42
78	78-1226	11/16 X .0625 CARBIDE HEAD KEY CUTTER	86.06	82.75	79.44	76.13
78	78-1226-C	11/16 X .0625 CARBIDE HEAD KEY CUTTER	97.85	94.54	91.23	87.92
78	78-1227	11/16 X .125 CARBIDE HEAD KEY CUTTER	86.06	82.75	79.44	76.13
78	78-1227-C	11/16 X .125 CARBIDE HEAD KEY CUTTER	97.85	94.54	91.23	87.92
78	78-1228	3/4 X .0312 CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-1228-C	3/4 X .0312 CARBIDE HEAD KEY CUTTER	102.91	99.41	95.91	92.40
78	78-1229	3/4 X .0469 CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-1229-C	3/4 X .0469 CARBIDE HEAD KEY CUTTER	102.91	99.41	95.91	92.40
78	78-1230	3/4 X .0625 CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-1230-C	3/4 X .0625 CARBIDE HEAD KEY CUTTER	102.91	99.41	95.91	92.40
78	78-1235	3/4 X .0781 CARBIDE HEAD KEY CUTTER	88.72	85.32	81.90	78.49
78	78-1235-C	3/4 X .0781 CARBIDE HEAD KEY CUTTER	100.51	97.11	93.69	90.28
78	78-1240	3/4 X .0938 CARBIDE HEAD KEY CUTTER	87.65	84.28	80.90	77.54
78	78-1240-C	3/4 X .0938 CARBIDE HEAD KEY CUTTER	99.44	96.07	92.69	89.33
78	78-1245	3/4 X .1094 CARBIDE HEAD KEY CUTTER	86.81	83.48	80.14	76.79
78	78-1245-C	3/4 X .1094 CARBIDE HEAD KEY CUTTER	98.60	95.27	91.93	88.58
78	78-1250	3/4 X .125 #406 CARBIDE HEAD KEY CUTTER	70.75	68.03	65.31	62.59
78	78-1250-C	3/4 X .125 #406 CARBIDE HEAD KEY CUTTER	82.54	79.82	77.10	74.38
78	78-1255	3/4 X .1406 CARBIDE HEAD KEY CUTTER	86.81	83.48	80.14	76.79
78	78-1255-C	3/4 X .1406 CARBIDE HEAD KEY CUTTER	98.60	95.27	91.93	88.58
78	78-1260	3/4 X .1562 #506 CARBIDE HEAD KEY CUTTER	72.52	69.73	66.94	64.16
78	78-1260-C	3/4 X .1562 #506 CARBIDE HEAD KEY CUTTER	84.31	81.52	78.73	75.95
78	78-1265	3/4 X .1875 #606 CARBIDE HEAD KEY CUTTER	74.67	71.81	68.93	66.06
78	78-1265-C	3/4 X .1875 #606 CARBIDE HEAD KEY CUTTER	86.46	83.60	80.72	77.85
78	78-1270	3/4 X .2031 CARBIDE HEAD KEY CUTTER	94.93	91.28	87.62	83.98
78	78-1270-C	3/4 X .2031 CARBIDE HEAD KEY CUTTER	106.72	103.07	99.41	95.76
78	78-1275	3/4 X .2188 CARBIDE HEAD KEY CUTTER	93.03	89.45	85.87	82.30
78	78-1275-C	3/4 X .2188 CARBIDE HEAD KEY CUTTER	104.82	101.24	97.66	94.09
78	78-1280	3/4 X .2344 CARBIDE HEAD KEY CUTTER	91.32	87.80	84.30	80.78
78	78-1280-C	3/4 X .2344 CARBIDE HEAD KEY CUTTER	103.11	99.59	96.09	92.57
78	78-1285	3/4 X .250 #806 CARBIDE HEAD KEY CUTTER	76.20	73.27	70.34	67.41
78	78-1285-C	3/4 X .250 #806 CARBIDE HEAD KEY CUTTER	87.99	85.06	82.13	79.19
78	78-1290	3/4 X .2656 CARBIDE HEAD KEY CUTTER	87.65	84.28	80.90	77.54
78	78-1290-C	3/4 X .2656 CARBIDE HEAD KEY CUTTER	99.44	96.07	92.69	89.33
78	78-1295	3/4 X .2812 CARBIDE HEAD KEY CUTTER	91.76	88.24	84.70	81.17

78	78-1295-C	3/4 X .2812 CARBIDE HEAD KEY CUTTER	103.55	100.03	96.49	92.96
78	78-1300	3/4 X .3125 CARBIDE HEAD KEY CUTTER	97.46	93.71	89.96	86.21
78	78-1300-C	3/4 X .3125 CARBIDE HEAD KEY CUTTER	109.25	105.50	101.75	98.00
78	78-1305	3/4 X .3438 CARBIDE HEAD KEY CUTTER	100.62	96.75	92.88	89.02
78	78-1305-C	3/4 X .3438 CARBIDE HEAD KEY CUTTER	112.41	108.54	104.67	100.81
78	78-1310	3/4 X .375 CARBIDE HEAD KEY CUTTER	105.06	101.01	96.98	92.93
78	78-1310-C	3/4 X .375 CARBIDE HEAD KEY CUTTER	116.85	112.80	108.77	104.72
78	78-1311	7/8 X .0312 CARBIDE HEAD KEY CUTTER	100.75	96.88	93.00	89.12
78	78-1311-C	7/8 X .0312 CARBIDE HEAD KEY CUTTER	115.85	111.98	108.10	104.22
78	78-1312	7/8 X .0469 CARBIDE HEAD KEY CUTTER	100.75	96.88	93.00	89.12
78	78-1312-C	7/8 X .0469 CARBIDE HEAD KEY CUTTER	115.85	111.98	108.10	104.22
78	78-1313	7/8 X .0625 CARBIDE HEAD KEY CUTTER	100.75	96.88	93.00	89.12
78	78-1313-C	7/8 X .0625 CARBIDE HEAD KEY CUTTER	115.85	111.98	108.10	104.22
78	78-1314	7/8 X .0938 CARBIDE HEAD KEY CUTTER	100.75	96.88	93.00	89.12
78	78-1314-C	7/8 X .0938 CARBIDE HEAD KEY CUTTER	115.85	111.98	108.10	104.22
78	78-1315	7/8 X .125 CARBIDE HEAD KEY CUTTER	100.75	96.88	93.00	89.12
78	78-1315-C	7/8 X .125 CARBIDE HEAD KEY CUTTER	115.85	111.98	108.10	104.22
78	78-1320	7/8 X .1562 #507 CARBIDE HEAD KEY CUTTER	86.01	82.70	79.39	76.08
78	78-1320-C	7/8 X .1562 #507 CARBIDE HEAD KEY CUTTER	101.11	97.80	94.49	91.18
78	78-1325	7/8 X .1875 #607 CARBIDE HEAD KEY CUTTER	86.01	82.70	79.39	76.08
78	78-1325-C	7/8 X .1875 #607 CARBIDE HEAD KEY CUTTER	101.11	97.80	94.49	91.18
78	78-1330	7/8 X .2188 #707 CARBIDE HEAD KEY CUTTER	88.85	85.44	82.02	78.60
78	78-1330-C	7/8 X .2188 #707 CARBIDE HEAD KEY CUTTER	103.95	100.53	97.12	93.70
78	78-1335	7/8 X .250 #807 CARBIDE HEAD KEY CUTTER	92.71	89.15	85.58	82.02
78	78-1335-C	7/8 X .250 #807 CARBIDE HEAD KEY CUTTER	107.81	104.24	100.68	97.12
78	78-1340	7/8 X .3125 CARBIDE HEAD KEY CUTTER	101.06	97.18	93.29	89.41
78	78-1340-C	7/8 X .3125 CARBIDE HEAD KEY CUTTER	116.16	112.28	108.39	104.50
78	78-1345	7/8 X .375 CARBIDE HEAD KEY CUTTER	107.59	103.44	99.31	95.06
78	78-1345-C	7/8 X .375 CARBIDE HEAD KEY CUTTER	122.69	118.54	114.41	110.27
78	78-1346	1 X .0312 CARBIDE HEAD KEY CUTTER	101.54	97.47	93.58	89.84
78	78-1346-C	1 X .0312 CARBIDE HEAD KEY CUTTER	116.64	111.95	107.47	103.17
78	78-1348	1 X .0469 CARBIDE HEAD KEY CUTTER	101.54	97.47	93.58	89.84
78	78-1348-C	1 X .0469 CARBIDE HEAD KEY CUTTER	116.64	111.95	107.47	103.17
78	78-1350	1 X .0625 CARBIDE HEAD KEY CUTTER	101.54	97.47	93.58	89.84
78	78-1350-C	1 X .0625 CARBIDE HEAD KEY CUTTER	116.64	111.95	107.47	103.17
78	78-1352	1 X .0781 CARBIDE HEAD KEY CUTTER	101.54	97.47	93.58	89.84
78	78-1352-C	1 X .0781 CARBIDE HEAD KEY CUTTER	116.64	111.97	107.50	103.20
78	78-1355	1 X .0938 CARBIDE HEAD KEY CUTTER	101.54	97.47	93.58	89.84

78	78-1355-C	1 X .0938 CARBIDE HEAD KEY CUTTER	116.64	111.95	107.47	103.17
78	78-1360	1 X .125 CARBIDE HEAD KEY CUTTER	101.54	97.47	93.58	89.84
78	78-1360-C	1 X .125 CARBIDE HEAD KEY CUTTER	116.64	111.95	107.47	103.17
78	78-1362	1 X .1562 CARBIDE HEAD KEY CUTTER	101.54	97.47	93.58	89.84
78	78-1362-C	1 X .1562 CARBIDE HEAD KEY CUTTER	116.64	111.95	107.47	103.17
78	78-1365	1 X .1875 CARBIDE #608 HEAD KEY CUTTER	94.29	90.67	87.04	83.41
78	78-1365-C	1 X .1875 #608 CARBIDE HEAD KEY CUTTER	109.39	105.77	102.14	98.51
78	78-1370	1 X .2188 #708 CARBIDE HEAD KEY CUTTER	103.47	99.49	95.52	91.54
78	78-1370-C	1 X .2188 #708 CARBIDE HEAD KEY CUTTER	118.56	114.58	110.62	106.63
78	78-1375	1 X .250 #808 CARBIDE HEAD KEY CUTTER	105.06	101.01	96.98	92.93
78	78-1375-C	1 X .250 #808 CARBIDE HEAD KEY CUTTER	120.15	116.11	112.08	108.03
78	78-1380	1 X .2812 CARBIDE HEAD KEY CUTTER	116.45	111.97	107.49	103.01
78	78-1380-C	1 X .2812 CARBIDE HEAD KEY CUTTER	131.54	127.07	122.59	118.11
78	78-1385	1 X .3125 #1008 CARBIDE HEAD KEY CUTTER	118.47	113.91	109.36	104.80
78	78-1385-C	1 X .3125 #1008 CARBIDE HEAD KEY CUTTER	133.57	129.01	124.46	119.90
78	78-1390	1 X .375 #1208 CARBIDE HEAD KEY CUTTER	120.75	116.10	111.46	106.82
78	78-1390-C	1 X .375 #1208 CARBIDE HEAD KEY CUTTER	135.85	131.20	126.56	121.92
78	78-1392	1-1/8 X .0625 CARBIDE HEAD KEY CUTTER	118.09	113.55	109.00	104.46
78	78-1392-C	1-1/8 X .0625 CARBIDE HEAD KEY CUTTER	137.63	133.82	129.27	124.73
78	78-1394	1-1/8 X .0938 CARBIDE HEAD KEY CUTTER	118.09	113.55	109.00	104.46
78	78-1394-C	1-1/8 X .0938 CARBIDE HEAD KEY CUTTER	137.63	133.82	129.27	124.73
78	78-1395	1-1/8 X .125 CARBIDE HEAD KEY CUTTER	118.09	113.55	109.00	104.46
78	78-1395-C	1-1/8 X .125 CARBIDE HEAD KEY CUTTER	137.63	133.82	129.27	124.73
78	78-1400	1-1/8 X .1875 CARBIDE HEAD KEY CUTTER	129.10	124.14	119.17	114.21
78	78-1400-C	1-1/8 X .1875 CARBIDE HEAD KEY CUTTER	149.37	144.40	139.44	134.48
78	78-1405	1-1/8 X .2188 CARBIDE HEAD KEY CUTTER	130.87	125.83	120.80	115.77
78	78-1405-C	1-1/8 X .2188 CARBIDE HEAD KEY CUTTER	151.14	146.10	141.07	136.04
78	78-1410	1-1/8 X .250 CARBIDE HEAD KEY CUTTER	131.94	126.87	121.80	116.73
78	78-1410-C	1-1/8 X .250 CARBIDE HEAD KEY CUTTER	152.21	147.14	142.07	137.00
78	78-1412	1-1/4 X .0312 CARBIDE HEAD KEY CUTTER	149.99	144.22	138.44	132.68
78	78-1412-C	1-1/4 X .0312 CARBIDE HEAD KEY CUTTER	170.25	164.49	158.71	152.95
78	78-1413	1-1/4 X .0469 CARBIDE HEAD KEY CUTTER	149.99	144.22	138.44	132.68
78	78-1413-C	1-1/4 X .0469 CARBIDE HEAD KEY CUTTER	170.25	164.49	158.71	152.95
78	78-1415	1-1/4 X .0625 CARBIDE HEAD KEY CUTTER	149.99	144.22	138.44	132.68
78	78-1415-C	1-1/4 X .0625 CARBIDE HEAD KEY CUTTER	170.25	164.49	158.71	152.95
78	78-1417	1-1/4 X .0781 CARBIDE HEAD KEY CUTTER	149.99	144.22	138.44	132.68
78	78-1417-C	1-1/4 X .0781 CARBIDE HEAD KEY CUTTER	170.25	164.49	158.71	152.95
78	78-1420	1-1/4 X .0938 CARBIDE HEAD KEY CUTTER	125.79	120.76	115.93	111.30

78	78-1420-C	1-1/4 X .0938 CARBIDE HEAD KEY CUTTER	146.06	140.21	134.59	129.21
78	78-1425	1-1/4 X .125 CARBIDE HEAD KEY CUTTER	125.79	120.76	115.93	111.30
78	78-1425-C	1-1/4 X .125 CARBIDE HEAD KEY CUTTER	146.06	140.21	134.59	129.21
78	78-1427	1-1/4 X .1562 CARBIDE HEAD KEY CUTTER	145.88	140.26	134.65	129.03
78	78-1427-C	1-1/4 X .1562 CARBIDE HEAD KEY CUTTER	166.14	160.53	154.92	149.30
78	78-1430	1-1/4 X .1875 #610 CARBIDE HEAD KEY CUTTER	131.26	126.21	121.17	116.12
78	78-1430-C	1-1/4 X .1875 #610 CARBIDE HEAD KEY CUTTER	151.53	146.48	141.44	136.39
78	78-1435	1-1/4 X .2188 #710 CARBIDE HEAD KEY CUTTER	131.63	126.57	121.51	116.45
78	78-1435-C	1-1/4 X .2188 #710 CARBIDE HEAD KEY CUTTER	151.90	146.84	141.78	136.71
78	78-1440	1-1/4 X .250 #810 CARBIDE HEAD KEY CUTTER	135.69	130.46	125.25	120.03
78	78-1440-C	1-1/4 X .250 #810 CARBIDE HEAD KEY CUTTER	155.96	150.73	145.52	140.29
78	78-1445	1-1/4 X .3125 #1010 CARBIDE HEAD KEY CUTTER	147.45	141.78	136.11	130.44
78	78-1445-C	1-1/4 X .3125 #1010 CARBIDE HEAD KEY CUTTER	167.72	162.05	156.38	150.71
78	78-1450	1-1/4 X .375 #1210 CARBIDE HEAD KEY CUTTER	154.67	148.72	142.77	136.82
78	78-1450-C	1-1/4 X .375 #1210 CARBIDE HEAD KEY CUTTER	174.94	168.99	163.04	157.09
78	78-1452	1-1/2 X .0312 CARBIDE HEAD KEY CUTTER	178.46	171.60	164.74	157.87
78	78-1452-C	1-1/2 X .0312 CARBIDE HEAD KEY CUTTER	221.79	214.92	208.07	201.20
78	78-1453	1-1/2 X .0469 CARBIDE HEAD KEY CUTTER	178.46	171.60	164.74	157.87
78	78-1453-C	1-1/2 X .0469 CARBIDE HEAD KEY CUTTER	221.79	214.92	208.07	201.20
78	78-1455	1-1/2 X .0625 CARBIDE HEAD KEY CUTTER	134.20	128.75	123.61	118.65
78	78-1455-C	1-1/2 X .0625 CARBIDE HEAD KEY CUTTER	177.53	170.43	163.61	157.07
78	78-1457	1-1/2 X .0781 CARBIDE HEAD KEY CUTTER	134.20	128.75	123.61	118.65
78	78-1457-C	1-1/2 X .0781 CARBIDE HEAD KEY CUTTER	177.53	170.42	163.61	157.07
78	78-1460	1-1/2 X .0938 CARBIDE HEAD KEY CUTTER	134.20	128.75	123.61	118.65
78	78-1460-C	1-1/2 X .0938 CARBIDE HEAD KEY CUTTER	177.53	170.43	163.61	157.07
78	78-1465	1-1/2 X .125 CARBIDE HEAD KEY CUTTER	134.20	128.75	123.61	118.65
78	78-1465-C	1-1/2 X .125 CARBIDE HEAD KEY CUTTER	177.53	170.43	163.61	157.07
78	78-1470	1-1/2 X .1875 CARBIDE HEAD KEY CUTTER	134.20	128.75	123.61	118.65
78	78-1470-C	1-1/2 X .1875 CARBIDE HEAD KEY CUTTER	177.53	170.43	163.61	157.07
78	78-1475	1-3/8 X .250 #811 KEY CUTTER	175.93	169.16	162.40	155.63
78	78-1475-C	1-3/8 X .250 #811 KEY CUTTER	219.26	212.49	205.73	198.96
78	78-1480	1-3/8 X .3125 #1011 KEY CUTTER	185.81	178.37	170.95	163.51
78	78-1480-C	1-3/8 X .3125 #1011 KEY CUTTER	229.14	221.70	214.28	206.83
78	78-1485	1-3/8 X .375 #1211 KEY CUTTER	185.81	178.37	170.95	163.51
78	78-1485-C	1-3/8 X .375 #1211 KEY CUTTER	229.14	221.70	214.28	206.83
78	78-1490	1-1/2 X .250 #812 KEY CUTTER	144.22	138.46	132.92	127.60
78	78-1490-C	1-1/2 X .250 #812 KEY CUTTER	187.55	180.04	172.84	165.92
78	78-1495	1-1/2 X .3125 #1012 KEY CUTTER	162.71	156.19	150.30	143.94

78	78-1495-C	1-1/2 X .3125 #1012 KEY CUTTER	206.03	197.79	189.89	182.29
78	78-1500	1-1/2 X .375 #1212 KEY CUTTER	192.15	180.56	173.34	166.41
78	78-1500-C	1-1/2 X .375 #1212 KEY CUTTER	235.48	223.89	216.67	209.74
78	78-1505	1-3/4 X .0625 CARBIDE HEAD KEY CUTTER	190.11	182.51	174.89	167.29
78	78-1505-C	1-3/4 X .0625 CARBIDE HEAD KEY CUTTER	233.44	225.84	218.22	210.62
78	78-1507	1-3/4 X .0781 CARBIDE HEAD KEY CUTTER	190.11	182.51	174.89	167.29
78	78-1507-C	1-3/4 X .0781 CARBIDE HEAD KEY CUTTER	233.44	225.84	218.22	210.62
78	78-1508	1-3/4 X .0938 CARBIDE HEAD KEY CUTTER	190.11	182.51	174.89	167.29
78	78-1508-C	1-3/4 X .0938 CARBIDE HEAD KEY CUTTER	233.44	225.84	218.22	210.62
78	78-1510	1-3/4 X .125 CARBIDE HEAD KEY CUTTER	190.11	182.51	174.89	167.29
78	78-1510-C	1-3/4 X .125 CARBIDE HEAD KEY CUTTER	233.44	225.84	218.22	210.62
78	78-1512	1-3/4 X .1562 CARBIDE HEAD KEY CUTTER	190.11	182.51	174.89	167.29
78	78-1512-C	1-3/4 X .1562 CARBIDE HEAD KEY CUTTER	233.44	225.84	218.22	210.62
78	78-1515	1-3/4 X .1875 CARBIDE HEAD KEY CUTTER	190.11	182.51	174.89	167.29
78	78-1515-C	1-3/4 X .1875 CARBIDE HEAD KEY CUTTER	233.44	225.84	218.22	210.62
78	78-1517	2 X .0312 CARBIDE HEAD KEY CUTTER	213.16	204.64	196.10	187.58
78	78-1517-C	2 X .0312 CARBIDE HEAD KEY CUTTER ALTIN	256.49	247.97	239.44	230.91
78	78-1519	2 X .0469 CARBIDE HEAD KEY CUTTER	213.16	204.64	196.12	187.58
78	78-1519-C	2 X .0469 CARBIDE HEAD KEY CUTTER	256.49	247.97	239.44	230.91
78	78-1520	2 X .0625 CARBIDE HEAD KEY CUTTER	213.16	204.64	196.12	187.58
78	78-1520-C	2 X .0625 CARBIDE HEAD KEY CUTTER	256.49	247.97	239.44	230.91
78	78-1522	2 X .0781 CARBIDE HEAD KEY CUTTER	213.16	204.64	196.12	187.58
78	78-1522-C	2 X .0781 CARBIDE HEAD KEY CUTTER	233.44	225.84	218.22	210.62
78	78-1523	2 X .0938 CARBIDE HEAD KEY CUTTER	213.16	204.64	196.12	187.58
78	78-1523-C	2 X .0938 CARBIDE HEAD KEY CUTTER	233.44	225.84	218.22	210.62
78	78-1525	2 X .125 CARBIDE HEAD KEY CUTTER	213.16	204.64	196.12	187.58
78	78-1525-C	2 X .125 CARBIDE HEAD KEY CUTTER	256.49	247.97	239.44	230.91
78	78-1527	2 X .1562 CARBIDE HEAD KEY CUTTER	213.16	204.64	196.12	187.58
78	78-1527-C	2 X .1562 CARBIDE HEAD KEY CUTTER	256.49	247.97	239.44	230.91
78	78-1530	2 X .1875 CARBIDE HEAD KEY CUTTER	213.16	204.64	196.12	187.58
78	78-1530-C	2 X .1875 CARBIDE HEAD KEY CUTTER	256.49	247.97	239.44	230.91
78	78-1555	1-3/8 X .0625 CARBIDE HEAD KEY CUTTER	178.46	171.60	164.74	157.87
78	78-1555-C	1-3/8 X .0625 CARBIDE HEAD KEY CUTTER	221.79	214.92	208.07	201.20
78	78-1557	1-3/8 X .0781 CARBIDE HEAD KEY CUTTER	178.46	171.60	164.74	157.87
78	78-1557-C	1-3/8 X .0781 CARBIDE HEAD KEY CUTTER	221.79	214.92	208.07	201.20
78	78-1560	1-3/8 X .0938 CARBIDE HEAD KEY CUTTER	178.46	171.60	164.74	157.87
78	78-1560-C	1-3/8 X .0938 CARBIDE HEAD KEY CUTTER	221.79	214.92	208.07	201.20
78	78-1565	1-3/8 X .1250 CARBIDE HEAD KEY CUTTER	178.46	171.60	164.74	157.87

78	78-1565-C	1-3/8 X .1250 CARBIDE HEAD KEY CUTTER	221.79	214.92	208.07	201.20
78	78-1570	1-3/8 X .1562 CARBIDE HEAD KEY CUTTER	178.46	171.60	164.74	157.87
78	78-1570-C	1-3/8 X .1562 CARBIDE HEAD KEY CUTTER	221.79	214.92	208.07	201.20
78	78-1572	1-3/8 X .1875 CARBIDE HEAD KEY CUTTER	178.46	171.60	164.74	157.87
78	78-1572-C	1-3/8 X .1875 CARBIDE HEAD KEY CUTTER	221.79	214.92	208.07	201.20
78	78-1660	AKH-625-031 5/8 X .0312 CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-1660-C	AKH-625-031 5/8 X .0312 CARBIDE HEAD KEY CUTTER	75.72	72.70	69.78	67.00
78	78-1670	AKH-625-062 5/8 X .0625 CARBIDE HEAD KEY CUTTER	68.03	65.42	62.80	60.18
78	78-1670-C	AKH-625-062 5/8 X .0625 CARBIDE HEAD KEY CUTTER	75.72	72.70	69.78	67.00
78	78-1680	AKH-625-093 5/8 X .0938 CARBIDE HEAD KEY CUTTER	52.90	50.87	48.83	46.80
78	78-1680-C	AKH-625-093 5/8 X .0938 CARBIDE HEAD KEY CUTTER	60.59	58.17	55.84	53.60
78	78-1690	AKH-625-125 5/8 X .125 CARBIDE HEAD KEY CUTTER	55.82	53.67	51.53	49.38
78	78-1690-C	AKH-625-125 5/8 X .125 CARBIDE HEAD KEY CUTTER	63.50	60.96	58.52	56.18
78	78-1700	AKH-625-156 5/8 X .1562 CARBIDE HEAD KEY CUTTER	57.47	55.25	53.04	50.84
78	78-1700-C	AKH-625-156 5/8 X .1562 CARBIDE HEAD KEY CUTTER	65.16	62.55	60.04	57.65
78	78-1705	AKH-625-187 5/8 X .1875 CARBIDE HEAD KEY CUTTER	59.36	57.08	54.79	52.51
78	78-1705-C	AKH-625-187 5/8 X .1875 CARBIDE HEAD KEY CUTTER	67.05	64.37	61.79	59.32
78	78-1720	AKH-625-250 5/8 X .250 CARBIDE HEAD KEY CUTTER	85.88	82.57	79.27	75.97
78	78-1720-C	AKH-625-250 5/8 X .250 CARBIDE HEAD KEY CUTTER	93.57	89.82	86.24	82.78
78	78-1728	AKH-750-031 3/4 X .0312 CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-1728-C	AKH-750-031 3/4 X .0312 CARBIDE HEAD KEY CUTTER	98.59	95.22	91.84	88.48
78	78-1730	AKH-750-062 3/4 X .0625 CARBIDE HEAD KEY CUTTER	91.12	87.62	84.12	80.61
78	78-1730-C	AKH-750-062 3/4 X .0625 CARBIDE HEAD KEY CUTTER	98.59	95.22	91.84	88.48
78	78-1740	AKH-750-093 3/4 X .0938 CARBIDE HEAD KEY CUTTER	87.65	84.28	80.90	77.54
78	78-1740-C	AKH-750-093 3/4 X .0938 CARBIDE HEAD KEY CUTTER ZRN COAT	98.59	95.22	91.84	88.48
78	78-1750	AKH-750-125 3/4 X .125 CARBIDE HEAD KEY CUTTER	70.75	68.03	65.31	62.59
78	78-1750-C	AKH-750-125 3/4 X .125 CARBIDE HEAD KEY CUTTER	79.64	76.93	73.85	70.90
78	78-1760	AKH-750-156 3/4 X .1562 CARBIDE HEAD KEY CUTTER	72.52	69.73	66.94	64.16
78	78-1760-C	AKH-750-156 3/4 X .1562 CARBIDE HEAD KEY CUTTER	81.41	78.16	75.03	72.03
78	78-1765	AKH-750-187 3/4 X .1875 CARBIDE HEAD KEY CUTTER	74.67	71.81	68.93	66.06
78	78-1765-C	AKH-750-187 3/4 X .1875 CARBIDE HEAD KEY CUTTER	83.56	80.23	77.01	73.93
78	78-1785	AKH-750-250 3/4 X .250 CARBIDE HEAD KEY CUTTER	76.20	73.27	70.34	67.41
78	78-1785-C	AKH-750-250 3/4 X .250 CARBIDE HEAD KEY CUTTER	85.09	81.69	78.43	75.29
78	78-1800	AKH-750-312 3/4 X .3125 CARBIDE HEAD KEY CUTTER	97.46	93.71	89.96	86.21
78	78-1800-C	AKH-750-312 3/4 X .3125 CARBIDE HEAD KEY CUTTER	106.35	102.10	98.01	94.09
78	78-1810	AKH-750-375 3/4 X .375 CARBIDE HEAD KEY CUTTER	105.06	101.01	97.30	92.93
78	78-1810-C	AKH-750-375 3/4 X .375 CARBIDE HEAD KEY CUTTER	113.95	109.39	105.02	100.82
78	78-1813	AKH-875-062 7/8 X .0625 CARBIDE HEAD KEY CUTTER	100.75	96.88	93.00	89.12

78	78-1813-C	AKH-875-062 7/8 X .0625 CARBIDE HEAD KEY CUTTER	114.83	110.23	105.82	101.59
78	78-1815	AKH-875-125 7/8 X .125 CARBIDE HEAD KEY CUTTER	100.75	96.88	93.00	89.12
78	78-1815-C	AKH-875-125 7/8 X .125 CARBIDE HEAD KEY CUTTER	114.76	110.18	105.76	101.54
78	78-1825	AKH-875-187 7/8 X .1875 CARBIDE HEAD KEY CUTTER	86.01	82.70	79.39	76.08
78	78-1825-C	AKH-875-187 7/8 X .1875 CARBIDE HEAD KEY CUTTER	100.02	96.01	92.18	88.48
78	78-1835	AKH-875-250 7/8 X .250 CARBIDE HEAD KEY CUTTER	92.71	89.15	85.58	82.02
78	78-1835-C	AKH-875-250 7/8 X .250 CARBIDE HEAD KEY CUTTER ZRN COATING	107.28	103.71	100.15	96.59
78	78-1846	AKH-100-031 1 X .0312 CARBIDE HEAD KEY CUTTER	112.65	108.31	103.99	99.65
78	78-1846-C	AKH-100-031 1 X .0312 CARBIDE HEAD KEY CUTTER ZRN COATING	126.66	122.32	118.00	113.66
78	78-1850	AKH-100-062 1 X .0625 CARBIDE HEAD KEY CUTTER	112.65	108.31	103.99	99.65
78	78-1850-C	AKH-100-062 1 X .0625 CARBIDE HEAD KEY CUTTER	126.66	121.60	116.73	112.06
78	78-1855	AKH-100-093 1 X .0938 CARBIDE HEAD KEY CUTTER	110.75	106.48	102.23	97.97
78	78-1855-C	AKH-100-093 1 X .0938 CARBIDE HEAD KEY CUTTER	124.76	119.77	114.97	110.87
78	78-1860	AKH-100-125 1 X .125 CARBIDE HEAD KEY CUTTER	109.17	104.97	100.77	97.23
78	78-1860-C	AKH-100-125 1 X .125 CARBIDE HEAD KEY CUTTER	123.18	118.25	113.52	108.98
78	78-1862	AKH-100-156 1 X .1562 CARBIDE HEAD KEY CUTTER	109.17	104.97	100.77	96.57
78	78-1862-C	AKH-100-156 1 X .156 CARBIDE HEAD KEY CUTTER	123.18	118.25	113.52	108.98
78	78-1865	AKH-100-187 1 X .1875 CARBIDE HEAD KEY CUTTER	94.29	90.67	87.04	83.41
78	78-1865-C	AKH-100-187 1 X .1875 CARBIDE HEAD KEY CUTTER	108.31	103.97	99.81	95.83
78	78-1875	AKH-100-250 1 X .250 CARBIDE HEAD KEY CUTTER	105.06	101.01	96.98	92.93
78	78-1875-C	AKH-100-250 1 X .250 CARBIDE HEAD KEY CUTTER	119.07	114.31	109.73	105.34
78	78-1885	AKH-100-312 1 X .3125 CARBIDE HEAD KEY CUTTER	118.47	113.91	109.36	104.80
78	78-1885-C	AKH-100-312 1 X .3125 CARBIDE HEAD KEY CUTTER	132.54	127.23	122.14	117.26
78	78-1890	AKH-100-375 1 X .375 CARBIDE HEAD KEY CUTTER	120.75	116.10	111.46	106.82
78	78-1890-C	AKH-100-375 1 X .375 CARBIDE HEAD KEY CUTTER	134.76	129.37	124.20	119.23
78	78-1912	AKH-125-031 1.25 X .0313 CARBIDE HEAD KEY CUTTER	149.99	144.22	138.44	132.68
78	78-1912-C	AKH-125-031 1.25 X .0313 CARBIDE HEAD KEY CUTTER	168.80	162.05	155.56	149.34
78	78-1915	AKH-125-062 1.25 X .0625 CARBIDE HEAD KEY CUTTER	149.99	144.22	138.44	132.68
78	78-1915-C	AKH-125-062 1.25 X .0625 CARBIDE HEAD KEY CUTTER	168.80	162.05	155.56	149.34
78	78-1920	AKH-125-093 1.25 X .0938 CARBIDE HEAD KEY CUTTER	148.08	142.39	136.69	131.00
78	78-1920-C	AKH-125-093 1.25 X .0938 CARBIDE HEAD KEY CUTTER	166.90	160.22	153.90	147.66
78	78-1925	AKH-125-125 1.25 X .125 CARBIDE HEAD KEY CUTTER	145.88	140.26	134.65	129.03
78	78-1925-C	AKH-125-125 1.25 X .125 CARBIDE HEAD KEY CUTTER	164.68	158.09	151.78	145.70
78	78-1932	AKH-125-187 1.25 X .1875 CARBIDE HEAD KEY CUTTER	131.26	126.21	121.17	116.12
78	78-1932-C	AKH-125-187 1.25 X .1875 CARBIDE HEAD KEY CUTTER	150.07	144.07	138.31	132.79
78	78-1940	AKH-125-250 1.25 X .250 CARBIDE HEAD KEY CUTTER	135.69	130.46	125.25	120.03
78	78-1940-C	AKH-125-250 1.25 X .250 CARBIDE HEAD KEY CUTTER	154.50	148.32	142.39	136.70
78	78-1945	AKH-125-312 1.25 X .3125 CARBIDE HEAD KEY CUTTER	147.45	141.78	136.11	130.44

78	78-1945-C	AKH-125-312 1.25 X .3125 CARBIDE HEAD KEY CUTTER	166.26	159.61	153.23	147.10
78	78-1950	AKH-125-375 1.25 X .375 CARBIDE HEAD KEY CUTTER	154.67	148.72	142.77	136.82
78	78-1950-C	AKH-125-375 1.25 X .375 CARBIDE HEAD KEY CUTTER	173.48	166.55	159.88	153.48
79	79-1800	10 MM X 1.0 MM CARBIDE KEY CUTTER	61.86	59.38	56.90	54.44
79	79-1800-C	10 MM X 1.0 MM CARBIDE KEY CUTTER	70.75	67.91	65.20	62.59
79	79-1805	10 MM X 2.0 MM CARBIDE KEY CUTTER	61.86	59.38	56.90	54.44
79	79-1805-C	10 MM X 2.0 MM CARBIDE KEY CUTTER	70.75	67.91	65.20	62.59
79	79-1810	10 MM X 3.0 MM CARBIDE KEY CUTTER	61.86	59.38	56.90	54.44
79	79-1810-C	10 MM X 3.0 MM CARBIDE KEY CUTTER	70.75	67.91	65.20	62.59
79	79-1815	12 MM X 1.0 MM CARBIDE KEY CUTTER	66.92	64.24	61.56	58.88
79	79-1815-C	12 MM X 1.0 MM CARBIDE KEY CUTTER	75.81	72.78	69.87	67.07
79	79-1820	12 MM X 2.0 MM CARBIDE KEY CUTTER	66.92	64.24	61.56	58.88
79	79-1820-C	12 MM X 2.0 MM CARBIDE KEY CUTTER	75.81	72.78	69.87	67.07
79	79-1825	12 MM X 3.0 MM CARBIDE KEY CUTTER	66.92	64.24	61.56	58.88
79	79-1825-C	12 MM X 3.0 MM CARBIDE KEY CUTTER	75.81	72.78	69.87	67.07
79	79-1830	14 MM X 1.0 MM CARBIDE KEY CUTTER	76.56	73.49	70.43	67.37
79	79-1830-C	14 MM X 1.0 MM CARBIDE KEY CUTTER	86.34	82.89	79.57	76.39
79	79-1835	14 MM X 2.0 MM CARBIDE KEY CUTTER	76.56	73.49	70.43	67.37
79	79-1835-C	14 MM X 2.0 MM CARBIDE KEY CUTTER	86.34	82.89	79.57	76.39
79	79-1840	14 MM X 3.0 MM CARBIDE KEY CUTTER	76.56	73.49	70.43	67.37
79	79-1840-C	14 MM X 3.0 MM CARBIDE KEY CUTTER	86.34	82.89	79.57	76.29
79	79-1845	14 MM X 4.0 MM CARBIDE KEY CUTTER	76.56	73.49	70.43	67.37
79	79-1845-C	14 MM X 4.0 MM CARBIDE KEY CUTTER	86.34	82.89	79.57	76.39
79	79-1850	16 MM X 1.0 MM CARBIDE KEY CUTTER	83.35	80.03	76.69	73.35
79	79-1850-C	16 MM X 1.0 MM CARBIDE KEY CUTTER	93.14	89.41	85.82	82.40
79	79-1855	16 MM X 2.0 MM CARBIDE KEY CUTTER	83.35	80.03	76.69	73.35
79	79-1855-C	16 MM X 2.0 MM CARBIDE KEY CUTTER	93.14	89.41	85.82	82.40
79	79-1860	16 MM X 3.0 MM CARBIDE KEY CUTTER	83.35	80.03	76.69	73.35
79	79-1860-C	16 MM X 3.0 MM CARBIDE KEY CUTTER	93.14	89.41	85.82	82.40
79	79-1865	16 MM X 4.0 MM CARBIDE KEY CUTTER	83.35	80.03	76.69	73.35
79	79-1865-C	16 MM X 4.0 MM CARBIDE KEY CUTTER	93.14	89.41	85.82	82.40
79	79-1870	18 MM X 1.0 MM CARBIDE KEY CUTTER	89.13	85.57	82.01	78.44
79	79-1870-C	18 MM X 1.0 MM CARBIDE KEY CUTTER	103.70	99.55	95.57	91.75
79	79-1875	18 MM X 2.0 MM CARBIDE KEY CUTTER	89.13	85.57	82.01	78.44
79	79-1875-C	18 MM X 2.0 MM CARBIDE KEY CUTTER	103.70	99.55	95.57	91.75
79	79-1880	18 MM X 3.0 MM CARBIDE KEY CUTTER	89.13	85.57	82.01	78.44
79	79-1880-C	18 MM X 3.0 MM CARBIDE KEY CUTTER	103.70	99.55	95.57	91.75
79	79-1885	18 MM X 4.0 MM CARBIDE KEY CUTTER	89.13	85.57	82.01	78.44

79	79-1885-C	18 MM X 4.0 MM CARBIDE KEY CUTTER	103.70	99.55	95.57	91.75
79	79-1890	18 MM X 5.0 MM CARBIDE KEY CUTTER	89.13	85.57	82.01	78.44
79	79-1890-C	18 MM X 5.0 MM CARBIDE KEY CUTTER	103.70	99.55	95.57	91.75
79	79-1895	20 MM X 1.0 MM CARBIDE KEY CUTTER	103.67	99.52	95.38	91.22
79	79-1895-C	20 MM X 1.0 MM CARBIDE KEY CUTTER	118.24	113.51	108.97	104.61
79	79-1900	20 MM X 2.0 MM CARBIDE KEY CUTTER	103.67	99.52	95.38	91.23
79	79-1900-C	20 MM X 2.0 MM CARBIDE KEY CUTTER	118.24	113.51	108.97	104.61
79	79-1905	20 MM X 3.0 MM CARBIDE KEY CUTTER	103.67	99.52	95.38	91.22
79	79-1905-C	20 MM X 3.0 MM CARBIDE KEY CUTTER	118.24	113.51	108.97	104.61
79	79-1910	20 MM X 4.0 MM CARBIDE KEY CUTTER	103.67	99.52	95.38	91.22
79	79-1910-C	20 MM X 4.0 MM CARBIDE KEY CUTTER	118.24	113.51	108.97	104.61
79	79-1915	20 MM X 5.0 MM CARBIDE KEY CUTTER	103.67	99.52	95.38	91.22
79	79-1915-C	20 MM X 5.0 MM CARBIDE KEY CUTTER	118.24	113.51	108.97	104.61
79	79-1920	24 MM X 1.0 MM CARBIDE KEY CUTTER	120.15	115.35	110.54	105.74
79	79-1920-C	24 MM X 1.0 MM CARBIDE KEY CUTTER	134.72	129.34	124.17	119.19
79	79-1925	24 MM X 2.0 MM CARBIDE KEY CUTTER	120.15	115.35	110.54	105.74
79	79-1925-C	24 MM X 2.0 MM CARBIDE KEY CUTTER	134.72	129.34	124.17	119.19
79	79-1930	24 MM X 3.0 MM CARBIDE KEY CUTTER	120.15	115.35	110.54	105.74
79	79-1930-C	24 MM X 3.0 MM CARBIDE KEY CUTTER	134.72	129.34	124.17	119.19
79	79-1935	24 MM X 4.0 MM CARBIDE KEY CUTTER	120.15	115.35	110.54	105.74
79	79-1935-C	24 MM X 4.0 MM CARBIDE KEY CUTTER	134.72	129.34	124.17	119.19
79	79-1940	24 MM X 5.0 MM CARBIDE KEY CUTTER	120.15	115.35	110.54	105.74
79	79-1940-C	24 MM X 5.0 MM CARBIDE KEY CUTTER	134.72	129.34	124.17	119.19
79	79-1945	30 MM X 1.0 MM CARBIDE KEY CUTTER	151.21	145.15	139.12	133.06
79	79-1945-C	30 MM X 1.0 MM CARBIDE KEY CUTTER	170.77	163.94	157.38	151.09
79	79-1950	30 MM X 2.0 MM CARBIDE KEY CUTTER	151.21	145.15	139.12	133.06
79	79-1950-C	30 MM X 2.0 MM CARBIDE KEY CUTTER	170.77	163.94	157.38	151.09
79	79-1955	30 MM X 3.0 MM CARBIDE KEY CUTTER	151.21	145.15	139.12	133.06
79	79-1955-C	30 MM X 3.0 MM CARBIDE KEY CUTTER	170.77	163.94	157.38	151.09
79	79-1960	30 MM X 4.0 MM CARBIDE KEY CUTTER	151.21	145.15	139.12	133.06
79	79-1960-C	30 MM X 4.0 MM CARBIDE KEY CUTTER	170.77	163.94	157.38	151.09
79	79-1965	30 MM X 5.0 MM CARBIDE KEY CUTTER	151.21	145.15	139.12	133.06
79	79-1965-C	30 MM X 5.0 MM CARBIDE KEY CUTTER	170.77	163.94	157.38	151.09
79	79-1970	32 MM X 1.0 MM CARBIDE KEY CUTTER	155.42	149.20	142.98	136.76
79	79-1970-C	32 MM X 1.0 MM CARBIDE KEY CUTTER	167.98	161.26	154.81	154.81
79	79-1975	32 MM X 2.0 MM CARBIDE KEY CUTTER	155.42	149.20	142.98	136.76
79	79-1975-C	32 MM X 2.0 MM CARBIDE KEY CUTTER	174.98	167.98	161.26	154.81
79	79-1980	32 MM X 3.0 MM CARBIDE KEY CUTTER	155.42	149.20	142.98	136.76

79	79-1980-C	32 MM X 3.0 MM CARBIDE KEY CUTTER	174.98	167.98	161.26	154.81
79	79-1985	32 MM X 4.0 MM CARBIDE KEY CUTTER	155.42	149.20	142.98	136.76
79	79-1985-C	32 MM X 4.0 MM CARBIDE KEY CUTTER	174.98	167.98	161.26	154.81
79	79-1990	32 MM X 5.0 MM CARBIDE KEY CUTTER	155.42	149.20	142.98	136.76
79	79-1990-C	32 MM X 5.0 MM CARBIDE KEY CUTTER	174.98	167.98	161.26	154.81
79	79-1995	38 MM X 1.0 MM CARBIDE KEY CUTTER	182.39	175.09	167.80	160.50
79	79-1995-C	38 MM X 1.0 MM CARBIDE KEY CUTTER	213.09	204.55	196.38	188.52
79	79-2000	38 MM X 2.0 MM CARBIDE KEY CUTTER	182.39	175.09	167.80	160.50
79	79-2000-C	38 MM X 2.0 MM CARBIDE KEY CUTTER	213.09	204.55	196.38	188.52
79	79-2005	38 MM X 3.0 MM CARBIDE KEY CUTTER	182.39	175.09	167.80	160.50
79	79-2005-C	38 MM X 3.0 MM CARBIDE KEY CUTTER	213.09	204.55	196.38	188.52
79	79-2010	38 MM X 4.0 MM CARBIDE KEY CUTTER	182.39	175.09	167.80	160.50
79	79-2010-C	38 MM X 4.0 MM CARBIDE KEY CUTTER	213.09	204.55	188.52	196.38
79	79-2015	38 MM X 5.0 MM CARBIDE KEY CUTTER	182.39	175.09	167.80	160.50
79	79-2015-C	38 MM X 5.0 MM CARBIDE KEY CUTTER	213.09	204.55	196.38	188.52
80	80-1090	1/2 X .0312 WIDE FULL RADIUS	81.94	78.79	75.65	72.49
80	80-1090-C	1/2 X .0312 WIDE FULL RADIUS	89.55	86.25	82.95	79.65
80	80-1095	1/2 X .0469 WIDE FULL RADIUS	81.94	78.79	75.65	72.49
80	80-1095-C	1/2 X .0469 WIDE FULL RADIUS	89.55	86.25	82.95	79.65
80	80-1100	1/2 X .0625 WIDE FULL RADIUS	81.94	78.79	75.65	72.49
80	80-1100-C	1/2 X .0625 WIDE FULL RADIUS	89.55	86.25	82.95	79.65
80	80-1104	1/2 X .0781 WIDE FULL RADIUS	81.94	78.79	75.65	72.49
80	80-1104-C	1/2 X .0781 WIDE FULL RADIUS	89.55	86.25	82.95	79.65
80	80-1105	1/2 X .0938 WIDE FULL RADIUS	81.94	78.79	75.65	72.49
80	80-1105-C	1/2 X .0938 WIDE FULL RADIUS	89.55	86.25	82.95	79.65
80	80-1110	1/2 X .125 WIDE FULL RADIUS	83.24	80.04	76.84	73.64
80	80-1110-C	1/2 X .125 WIDE FULL RADIUS	89.55	86.25	82.95	79.65
80	80-1112	5/8 X .0312 WIDE FULL RADIUS	96.33	92.62	88.92	85.21
80	80-1112-C	5/8 X .0312 WIDE FULL RADIUS	101.40	97.69	93.99	90.28
80	80-1114	5/8 X .047 WIDE FULL RADIUS	96.33	92.62	88.92	85.21
80	80-1114-C	5/8 X .047 WIDE FULL RADIUS	101.40	97.69	93.99	90.28
80	80-1115	5/8 X .0625 WIDE FULL RADIUS	96.33	92.62	88.92	85.21
80	80-1115-C	5/8 X .0625 WIDE FULL RADIUS	101.40	97.69	93.99	90.28
80	80-1117	5/8 X .0781 WIDE FULL RADIUS	99.57	95.74	91.91	88.52
80	80-1117-C	5/8 X .0781 WIDE FULL RADIUS	101.40	97.69	93.99	90.28
80	80-1120	5/8 X .0938 WIDE FULL RADIUS KEY CUTTER	99.57	95.74	91.91	88.09
80	80-1120-C	5/8 X .0938 WIDE FULL RADIUS	101.40	97.69	93.99	90.28
80	80-1125	5/8 X .125 WIDE FULL RADIUS	99.57	95.74	91.91	88.09

80	80-1125-C	5/8 X .125 WIDE FULL RADIUS	101.40	97.69	93.99	90.28
80	80-1127	3/4 X .0312 WIDE FULL RADIUS	101.63	97.72	93.81	89.90
80	80-1127-C	3/4 X .0312 WIDE FULL RADIUS	107.52	103.62	99.70	95.80
80	80-1128	3/4 X .0469 WIDE FULL RADIUS	101.63	97.72	93.81	89.90
80	80-1128-C	3/4 X .0469 WIDE FULL RADIUS	107.52	103.62	99.70	95.80
80	80-1130	3/4 X .0625 WIDE FULL RADIUS	101.63	97.72	93.81	89.90
80	80-1130-C	3/4 X .0625 WIDE FULL RADIUS	107.52	103.62	99.70	95.80
80	80-1132	3/4 X .0781 WIDE FULL RADIUS KEY CUTTER	101.63	97.72	93.81	89.90
80	80-1132-C	3/4 X .0781 WIDE FULL RADIUS	107.52	103.62	99.70	95.80
80	80-1135	3/4 X .0938 WIDE FULL RADIUS KEY CUTTER	101.63	97.72	93.81	89.90
80	80-1135-C	3/4 X .0938 WIDE FULL RADIUS	107.52	103.62	99.70	95.80
80	80-1140	3/4 X .125 WIDE FULL RADIUS	104.41	100.38	96.37	92.36
80	80-1140-C	3/4 X .125 WIDE FULL RADIUS	107.52	103.62	99.70	95.80
80	80-1142	1 X .0312 WIDE FULL RADIUS	141.96	136.50	131.04	125.57
80	80-1142-C	1 X .0312 WIDE FULL RADIUS	149.51	144.05	138.59	133.12
80	80-1144	1 X .0469 WIDE FULL RADIUS	141.96	136.50	131.04	125.57
80	80-1144-C	1 X .0469 WIDE FULL RADIUS	149.51	144.05	138.59	133.12
80	80-1145	1 X .0625 WIDE FULL RADIUS	141.96	136.50	131.04	125.57
80	80-1145-C	1 X .0625 WIDE FULL RADIUS	149.51	144.05	138.59	133.12
80	80-1150	1 X .0938 WIDE FULL RADIUS	141.96	136.50	131.04	125.57
80	80-1150-C	1 X .0938 WIDE FULL RADIUS	149.51	144.05	138.59	133.12
80	80-1155	1 X .125 WIDE FULL RADIUS	141.96	136.50	131.04	125.57
80	80-1155-C	1 X .125 WIDE FULL RADIUS	149.51	144.05	138.59	133.12
80	80-1160	1-1/4 X .0625 WIDE FULL RADIUS	154.13	147.96	142.04	136.36
80	80-1160-C	1-1/4 X .0625 WIDE FULL RADIUS	164.26	158.10	152.17	146.49
80	80-1165	1-1/4 X .0938 WIDE FULL RADIUS	154.13	147.96	142.04	136.36
80	80-1165-C	1-1/4 X .0938 WIDE FULL RADIUS	164.26	158.10	152.17	146.49
80	80-1170	1-1/4 X .1250 WIDE FULL RADIUS	154.13	147.96	142.04	136.36
80	80-1170-C	1-1/4 X .1250 WIDE FULL RADIUS	164.26	158.10	152.17	146.49
80	80-1180	1-1/2 X .0625 WIDE FULL RADIUS	206.22	197.97	190.05	182.44
80	80-1180-C	1-1/2 X .0625 WIDE FULL RADIUS ALTIM	236.91	227.44	218.34	209.60
80	80-1185	1-1/2 X .0938 WIDE FULL RADIUS	206.22	197.97	190.05	182.44
80	80-1185-C	1-1/2 X .0938 WIDE FULL RADIUS	236.91	227.44	218.34	209.60
80	80-1190	1-1/2 X .125 WIDE FULL RADIUS	206.22	197.97	190.05	182.44
80	80-1190-C	1-1/2 X .125 WIDE FULL RADIUS	236.91	227.44	218.34	209.60
80	80-5000	3/16 X .0312 WIDE FULL RADIUS KEY CUTTER	39.82	38.22	36.70	35.23
80	80-5000-C	3/16 X .0312 WIDE FULL RADIUS KEY CUTTER	41.03	39.42	37.90	36.43
80	80-5010	3/16 X .0469 WIDE FULL RADIUS KEY CUTTER	39.82	38.22	36.70	35.23

80	80-5010-C	3/16 X .0469 WIDE FULL RADIUS KEY CUTTER	41.03	39.42	37.90	36.43
80	80-5020	3/16 X .0625 WIDE FULL RADIUS KEY CUTTER	39.82	38.22	36.70	35.23
80	80-5020-C	3/16 X .0625 WIDE FULL RADIUS KEY CUTTER	41.03	39.42	37.90	36.43
80	80-5030	1/4 X .0312 WIDE FULL RADIUS KEY CUTTER	43.83	42.07	40.40	38.78
80	80-5030-C	1/4 X .0312 WIDE FULL RADIUS KEY CUTTER	45.49	43.74	42.06	40.44
80	80-5040	1/4 X .0469 WIDE FULL RADIUS KEY CUTTER	43.83	42.07	40.40	38.78
80	80-5040-C	1/4 X .0469 WIDE FULL RADIUS KEY CUTTER	45.49	43.74	42.06	40.44
80	80-5050	1/4 X .0625 WIDE FULL RADIUS KEY CUTTER	43.83	42.07	40.40	38.78
80	80-5050-C	1/4 X .0625 WIDE FULL RADIUS KEY CUTTER	45.49	43.74	42.06	40.44
80	80-5060	1/4 X .0781 WIDE FULL RADIUS KEY CUTTER	43.83	42.07	40.40	38.78
80	80-5060-C	1/4 X .0781 WIDE FULL RADIUS KEY CUTTER	45.49	43.74	42.06	40.44
80	80-5070	1/4 X .0938 WIDE FULL RADIUS KEY CUTTER	43.83	42.07	40.40	38.78
80	80-5070-C	1/4 X .0938 WIDE FULL RADIUS KEY CUTTER	45.49	43.74	42.06	40.44
80	80-5080	5/16 X .0312 WIDE FULL RADIUS KEY CUTTER	57.11	54.83	52.63	50.52
80	80-5080-C	5/16 X .0312 WIDE FULL RADIUS KEY CUTTER	59.50	57.22	55.02	52.91
80	80-5090	5/16 X .0469 WIDE FULL RADIUS KEY CUTTER	57.11	54.83	52.63	50.52
80	80-5090-C	5/16 X .0469 WIDE FULL RADIUS KEY CUTTER	59.50	57.22	55.02	52.91
80	80-6000	5/16 X .0625 WIDE FULL RADIUS KEY CUTTER	57.11	54.83	52.63	50.52
80	80-6000-C	5/16 X .0625 WIDE FULL RADIUS KEY CUTTER	59.50	57.22	55.02	52.91
80	80-6010	5/16 X .0781 WIDE FULL RADIUS KEY CUTTER	57.11	54.83	52.63	50.52
80	80-6010-C	5/16 X .0781 WIDE FULL RADIUS KEY CUTTER	59.50	57.22	55.02	52.91
80	80-6020	5/16 X .0938 WIDE FULL RADIUS KEY CUTTER	57.11	54.83	52.63	50.52
80	80-6020-C	5/16 X .0938 WIDE FULL RADIUS KEY CUTTER	59.50	57.22	55.02	52.91
80	80-6030	5/16 X .1250 WIDE FULL RADIUS KEY CUTTER	57.11	54.83	52.63	50.52
80	80-6030-C	5/16 X .1250 WIDE FULL RADIUS KEY CUTTER	59.50	57.22	55.02	52.91
80	80-6040	3/8 X .0312 WIDE FULL RADIUS KEY CUTTER	66.22	63.57	61.03	58.59
80	80-6040-C	3/8 X .0312 WIDE FULL RADIUS KEY CUTTER	68.61	65.96	63.43	60.98
80	80-6050	3/8 X .0469 WIDE FULL RADIUS KEY CUTTER	66.22	63.57	61.03	58.59
80	80-6050-C	3/8 X .0469 WIDE FULL RADIUS KEY CUTTER	68.61	65.96	63.43	60.98
80	80-6060	3/8 X .0625 WIDE FULL RADIUS KEY CUTTER	66.22	63.57	61.03	58.59
80	80-6060-C	3/8 X .0625 WIDE FULL RADIUS KEY CUTTER	68.61	65.96	63.43	60.98
80	80-6070	3/8 X .0938 WIDE FULL RADIUS KEY CUTTER	66.22	63.57	61.03	58.59
80	80-6070-C	3/8 X .0938 WIDE FULL RADIUS KEY CUTTER	68.61	65.96	63.43	60.98
80	80-6080	3/8 X .1250 WIDE FULL RADIUS KEY CUTTER	66.22	63.57	61.03	58.59
80	80-6080-C	3/8 X .1250 WIDE FULL RADIUS KEY CUTTER	68.61	65.96	63.43	60.98
80	80-6090	1/2 X .0625 WIDE FULL RADIUS KEY CUTTER	67.84	65.12	62.52	60.02
80	80-6090-C	1/2 X .0625 WIDE FULL RADIUS KEY CUTTER	69.99	67.34	64.81	62.37
80	80-7000	1/2 X .0938 WIDE FULL RADIUS KEY CUTTER	67.84	65.12	62.52	60.02

80	80-7000-C	1/2 X .0938 WIDE FULL RADIUS KEY CUTTER	69.99	67.34	64.81	62.37
80	80-7010	1/2 X .1250 WIDE FULL RADIUS KEY CUTTER	67.84	65.12	62.52	60.02
80	80-7010-C	1/2 X .1250 WIDE FULL RADIUS KEY CUTTER	69.99	67.34	64.81	62.37
81	81-1050	AN-05-044 5° ANGLER	196.69	189.12	181.56	173.99
81	81-1060	AN-10-088 10° ANGLER	196.69	189.12	181.56	173.99
81	81-1070	AN-15-134 15° ANGLER	196.69	189.12	181.56	173.99
81	81-1080	AN-20-182 20° ANGLER	196.69	189.12	181.56	173.99
81	81-1090	AN-30-289 30° ANGLER	196.69	189.12	181.56	173.99
81	81-1100	AN-45-500 45° ANGLER	196.69	189.12	181.56	173.99
82	82-1100	CO-500-031 .031 CONCAVE RADIUS	104.53	100.51	96.49	92.47
82	82-1100-C	CO-500-031 .031 CONCAVE RADIUS	113.08	108.56	104.22	100.05
82	82-1120	CO-625-046 .046 CONCAVE RADIUS	127.17	122.29	117.40	112.51
82	82-1130	CO-625-062 .062 CONCAVE RADIUS	127.17	122.29	117.40	112.51
82	82-1130-C	CO-625-062 .062 CONCAVE RADIUS	136.58	131.70	126.81	121.92
82	82-1140	CO-750-094 .094 CONCAVE RADIUS	150.39	144.60	138.81	133.04
82	82-1140-C	CO-750-094 .094 CONCAVE RADIUS	161.32	155.54	149.75	143.98
82	82-1150	CO-750-125 .125 CONCAVE RADIUS	150.39	144.60	138.81	133.04
82	82-1150-C	CO-750-125 .125 CONCAVE RADIUS	161.32	155.54	149.75	143.98
83	83-1000	.187 X .0156 LONG REACH KEY CUTTER	45.31	43.49	41.76	40.08
83	83-1000-C	.187 X .0156 LONG REACH KEY CUTTER	47.62	45.72	43.89	42.13
83	83-1010	.187 X .0312 LONG REACH KEY CUTTER	45.31	43.49	41.76	40.08
83	83-1010-C	.187 X .0312 LONG REACH KEY CUTTER	47.62	45.72	43.89	42.13
83	83-1020	.187 X .0469 LONG REACH KEY CUTTER	45.31	43.49	41.76	40.08
83	83-1020-C	.187 X .0469 LONG REACH KEY CUTTER	47.62	45.72	43.89	42.13
83	83-1030	.187 X .0625 LONG REACH KEY CUTTER	45.31	43.49	41.76	40.08
83	83-1030-C	.187 X .0625 LONG REACH KEY CUTTER	47.62	45.72	43.89	42.13
83	83-1040	.187 X .0781 LONG REACH KEY CUTTER	45.31	43.49	41.76	40.08
83	83-1040-C	.187 X .0781 LONG REACH KEY CUTTER	47.62	45.72	43.89	42.13
83	83-1050	.187 X .0938 LONG REACH KEY CUTTER	45.31	43.49	41.76	40.08
83	83-1050-C	.187 X .0938 LONG REACH KEY CUTTER	47.62	45.72	43.89	42.13
83	83-1060	.187 X .1250 LONG REACH KEY CUTTER	45.31	43.49	41.76	40.08
83	83-1060-C	.187 X .1250 LONG REACH KEY CUTTER	47.62	45.72	43.89	42.13
83	83-1070	.250 X .0156 LONG REACH KEY CUTTER	49.94	47.94	46.02	44.18
83	83-1070-C	.250 X .0156 LONG REACH KEY CUTTER	53.18	51.02	49.61	47.03
83	83-1080	.250 X .0312 LONG REACH KEY CUTTER	49.94	47.94	46.02	44.18
83	83-1080-C	.250 X .0312 LONG REACH KEY CUTTER	53.18	51.02	49.61	47.03
83	83-1090	.250 X .0469 LONG REACH KEY CUTTER	49.94	47.94	46.02	44.18
83	83-1090-C	.250 X .0469 LONG REACH KEY CUTTER	53.18	51.02	49.61	47.03

83	83-1100	.250 X .0625 LONG REACH KEY CUTTER	49.94	47.94	46.02	44.18
83	83-1100-C	.250 X .0625 LONG REACH KEY CUTTER	53.18	51.02	49.61	47.03
83	83-1110	.250 X .0781 LONG REACH KEY CUTTER	49.94	47.94	46.02	44.18
83	83-1110-C	.250 X .0781 LONG REACH KEY CUTTER	53.18	51.02	49.61	47.03
83	83-1120	.250 X .0938 LONG REACH KEY CUTTER	49.94	47.94	46.02	44.18
83	83-1120-C	.250 X .0938 LONG REACH KEY CUTTER	53.18	51.02	49.61	47.03
83	83-1130	.250 X .1250 LONG REACH KEY CUTTER	49.94	47.94	46.02	44.18
83	83-1130-C	.250 X .1250 LONG REACH KEY CUTTER	53.18	51.02	49.61	47.03
83	83-1140	.312 X .0156 LONG REACH KEY CUTTER	64.43	61.85	59.38	57.00
83	83-1140-C	.312 X .0156 LONG REACH KEY CUTTER	68.72	65.97	63.34	60.81
83	83-1150	.312 X .0312 LONG REACH KEY CUTTER	64.43	61.85	59.38	57.00
83	83-1150-C	.312 X .0312 LONG REACH KEY CUTTER	68.72	65.97	63.34	60.81
83	83-1160	.312 X .0469 LONG REACH KEY CUTTER	64.43	61.85	59.38	57.00
83	83-1160-C	.312 X .0469 LONG REACH KEY CUTTER	68.72	65.97	63.34	60.81
83	83-1170	.312 X .0625 LONG REACH KEY CUTTER	64.43	61.85	59.38	57.00
83	83-1170-C	.312 X .0625 LONG REACH KEY CUTTER	68.72	65.97	63.34	60.81
83	83-1180	.312 X .0781 LONG REACH KEY CUTTER	64.43	61.85	59.38	57.00
83	83-1180-C	.312 X .0781 LONG REACH KEY CUTTER	68.72	65.97	63.34	60.81
83	83-1190	.312 X .0938 LONG REACH KEY CUTTER	64.43	61.85	59.38	57.00
83	83-1190-C	.312 X .0938 LONG REACH KEY CUTTER	68.72	65.97	63.34	60.81
83	83-1200	.312 X .1250 LONG REACH KEY CUTTER	64.43	61.85	59.38	57.00
83	83-1200-C	.312 X .1250 LONG REACH KEY CUTTER	68.72	65.97	63.34	60.81
83	83-1210	.375 X .0156 LONG REACH KEY CUTTER	71.72	68.85	66.10	63.46
83	83-1210-C	.375 X .0156 LONG REACH KEY CUTTER	76.34	73.28	70.35	67.54
83	83-1220	.375 X .0312 LONG REACH KEY CUTTER	71.72	68.85	66.10	63.46
83	83-1220-C	.375 X .0312 LONG REACH KEY CUTTER	76.34	73.28	70.35	67.54
83	83-1230	.375 X .0469 LONG REACH KEY CUTTER	71.72	68.85	66.10	63.46
83	83-1230-C	.375 X .0469 LONG REACH KEY CUTTER	76.34	73.28	70.35	67.54
83	83-1240	.375 X .0625 LONG REACH KEY CUTTER	71.72	68.85	66.10	63.46
83	83-1240-C	.375 X .0625 LONG REACH KEY CUTTER	76.34	73.28	70.35	67.54
83	83-1250	.375 X .0781 LONG REACH KEY CUTTER	71.72	68.85	66.10	63.46
83	83-1250-C	.375 X .0781 LONG REACH KEY CUTTER	76.34	73.28	70.35	67.54
83	83-1260	.375 X .0938 LONG REACH KEY CUTTER	71.72	68.85	66.10	63.46
83	83-1260-C	.375 X .0938 LONG REACH KEY CUTTER	76.34	73.28	70.35	67.54
83	83-1270	.375 X .1250 LONG REACH KEY CUTTER	71.72	68.85	66.10	63.46
83	83-1270-C	.375 X .1250 LONG REACH KEY CUTTER	76.34	73.28	70.35	67.54
83	83-1280	.500 X .0156 LONG REACH KEY CUTTER	91.55	87.89	84.38	81.00
83	83-1280-C	.500 X .0156 LONG REACH KEY CUTTER	100.44	96.41	92.55	88.86

83	83-1290	.500 X .0312 LONG REACH KEY CUTTER	91.55	87.89	84.38	81.00
83	83-1290-C	.500 X .0312 LONG REACH KEY CUTTER	100.44	96.41	92.55	88.86
83	83-1300	.500 X .0469 LONG REACH KEY CUTTER	91.55	87.89	84.38	81.00
83	83-1300-C	.500 X .0469 LONG REACH KEY CUTTER	100.44	96.41	92.55	88.86
83	83-1310	.500 X .0625 LONG REACH KEY CUTTER	91.55	87.89	84.38	81.00
83	83-1310-C	.500 X .0625 LONG REACH KEY CUTTER	100.44	96.41	92.55	88.86
83	83-1320	.500 X .0781 LONG REACH KEY CUTTER	91.55	87.89	84.38	81.00
83	83-1320-C	.500 X .0781 LONG REACH KEY CUTTER	100.44	96.41	92.55	88.86
83	83-1330	.500 X .0938 LONG REACH KEY CUTTER	91.55	87.89	84.38	81.00
83	83-1330-C	.500 X .0938 LONG REACH KEY CUTTER	100.44	96.41	92.55	88.86
83	83-1340	.500 X .1250 LONG REACH KEY CUTTER	91.55	87.89	84.38	81.00
83	83-1340-C	.500 X .1250 LONG REACH KEY CUTTER	100.44	96.41	92.55	88.86
83	83-1350	.625 X .0625 LONG REACH KEY CUTTER	138.10	132.58	127.28	122.18
83	83-1350-C	.625 X .0625 LONG REACH KEY CUTTER	146.09	140.25	134.64	129.25
83	83-1360	.625 X .0938 LONG REACH KEY CUTTER	138.10	132.58	127.28	122.18
83	83-1360-C	.625 X .0938 LONG REACH KEY CUTTER	146.09	140.25	134.64	129.25
83	83-1370	.625 X .1250 LONG REACH KEY CUTTER	138.10	132.58	127.28	122.18
83	83-1370-C	.625 X .1250 LONG REACH KEY CUTTER	146.09	140.25	134.64	129.25
83	83-1380	.625 X .1875 LONG REACH KEY CUTTER	138.10	132.58	127.28	122.18
83	83-1380-C	.625 X .1875 LONG REACH KEY CUTTER	146.09	140.25	134.64	129.25
84	84-1100	DR-500-010 .010 DOUBLE RADIUS	111.25	106.97	102.69	98.41
84	84-1100-C	DR-500-010 .010 DOUBLE RADIUS	118.26	113.53	108.99	104.62
84	84-1105	DR-500-015 .015 DOUBLE RADIUS	111.25	106.97	102.69	98.41
84	84-1105-C	DR-500-015 .015 DOUBLE RADIUS	118.26	113.53	108.99	104.62
84	84-1110	DR-500-020 .020 DOUBLE RADIUS	111.25	106.97	102.69	98.41
84	84-1110-C	DR-500-020 .020 DOUBLE RADIUS	118.26	113.53	108.99	104.62
84	84-1115	DR-625-031 .031 DOUBLE RADIUS	148.08	142.38	136.69	130.99
84	84-1115-C	DR-625-031 .031 DOUBLE RADIUS	157.50	151.20	145.15	139.34
84	84-1120	DR-625-046 .046 DOUBLE RADIUS	148.08	142.38	136.69	130.99
84	84-1120-C	DR-625-046 .046 DOUBLE RADIUS	157.50	151.20	145.15	139.34
84	84-1125	DR-625-062 .062 DOUBLE RADIUS	148.08	142.38	136.69	130.99
84	84-1125-C	DR-625-062 .062 DOUBLE RADIUS	157.50	151.20	145.15	139.34
84	84-1130	DR-750-080 .080 DOUBLE RADIUS	177.94	171.10	164.25	157.41
84	84-1130-C	DR-750-080 .080 DOUBLE RADIUS	186.26	179.42	172.57	163.64
84	84-1135	DR-750-094 .094 DOUBLE RADIUS	177.94	171.10	164.25	157.41
84	84-1135-C	DR-750-094 .094 DOUBLE RADIUS	188.88	181.32	174.08	167.12
84	84-1140	DR-750-125 .125 DOUBLE RADIUS	177.94	171.10	164.25	157.41
84	84-1140-C	DR-750-125 .125 DOUBLE RADIUS	188.88	181.32	174.08	167.12

85	85-0941	NC-094-125 N/C COUNTERBORE	16.99	16.34	15.68	15.03
85	85-1251	NC-125-125 N/C COUNTERBORE	16.99	16.34	15.68	15.03
85	85-1401	NC-140-187 N/C COUNTERBORE	22.59	21.73	20.85	19.99
85	85-1561	NC-156-187 N/C COUNTERBORE	22.59	21.73	20.85	19.99
85	85-1711	NC-171-187 N/C COUNTERBORE	22.59	21.73	20.85	19.99
85	85-1871	NC-187-187 N/C COUNTERBORE	22.59	21.73	20.85	19.99
85	85-2031	NC-203-250 N/C COUNTERBORE	25.98	24.98	23.98	22.98
85	85-2191	NC-219-250 N/C COUNTERBORE	25.98	24.98	23.98	22.98
85	85-2341	NC-234-250 N/C COUNTERBORE	25.98	24.98	23.98	22.98
85	85-2501	NC-250-250 N/C COUNTERBORE	25.98	24.98	23.98	22.98
85	85-2651	NC-265-312 N/C COUNTERBORE	37.20	35.77	34.34	32.90
85	85-2811	NC-281-312 N/C COUNTERBORE	37.20	35.77	34.34	32.90
85	85-2971	NC-297-312 N/C COUNTERBORE	37.20	35.77	34.34	32.90
85	85-3121	NC-312-312 N/C COUNTERBORE	37.20	35.77	34.34	32.90
85	85-3281	NC-328-375 N/C COUNTERBORE	47.73	45.90	44.06	42.23
85	85-3431	NC-343-375 N/C COUNTERBORE	47.73	45.90	44.06	42.23
85	85-3591	NC-359-375 N/C COUNTERBORE	47.73	45.90	44.06	42.23
85	85-3751	NC-375-375 N/C COUNTERBORE	47.73	45.90	44.06	42.23
85	85-3901	NC-390-437 N/C COUNTERBORE	58.24	56.01	53.77	51.52
85	85-4061	NC-406-437 N/C COUNTERBORE	58.24	56.01	53.77	51.52
85	85-4211	NC-421-437 N/C COUNTERBORE	58.24	56.01	53.77	51.52
85	85-4371	NC-437-437 N/C COUNTERBORE	58.24	56.01	53.77	51.52
85	85-4531	NC-453-500 N/C COUNTERBORE	76.45	73.51	70.56	67.63
85	85-4691	NC-469-500 N/C COUNTERBORE	76.45	73.51	70.56	67.63
85	85-4841	NC-484-500 N/C COUNTERBORE	76.45	73.51	70.56	67.63
85	85-5001	NC-500-500 N/C COUNTERBORE	76.45	73.51	70.56	67.63
85	85-5151	NC-515-562 N/C COUNTERBORE	104.74	100.72	96.68	92.66
85	85-5311	NC-531-562 N/C COUNTERBORE	104.74	100.72	96.68	92.66
85	85-5471	NC-547-562 N/C COUNTERBORE	104.74	100.72	96.68	92.66
85	85-5621	NC-562-562 N/C COUNTERBORE	104.74	100.72	96.68	92.66
85	85-5781	NC-578-625 N/C COUNTERBORE	136.11	130.87	125.64	120.40
85	85-5941	NC-594-625 N/C COUNTERBORE	136.11	130.87	125.64	120.39
85	85-6091	NC-609-625 N/C COUNTERBORE	136.11	130.87	125.64	120.40
85	85-6251	NC-625-625 N/C COUNTERBORE	136.11	130.87	125.64	120.40
85	85-6411	NC-641-750 N/C COUNTERBORE	203.52	195.69	187.87	180.04
85	85-6561	NC-656-750 N/C COUNTERBORE	203.52	195.69	187.87	180.04
85	85-6721	NC-672-750 N/C COUNTERBORE	203.52	195.69	187.87	180.04
85	85-6871	NC-687-750 N/C COUNTERBORE	203.52	195.69	187.87	180.04

85	85-7031	NC-703-750 N/C COUNTERBORE	203.52	195.69	187.87	180.04
85	85-7191	NC-719-750 N/C COUNTERBORE	203.52	195.69	187.87	180.04
85	85-7341	NC-734-750 N/C COUNTERBORE	203.52	195.69	187.87	180.04
85	85-7501	NC-750-750 N/C COUNTERBORE	203.52	195.69	187.87	180.04
86	86-0100	3/16 X 5° SOLID CARBIDE DOVETAIL CUTTER	55.05	52.93	50.81	48.70
86	86-0100-C	3/16 X 5° SOLID CARBIDE DOVETAIL CUTTER	57.41	55.30	53.87	51.06
86	86-0105	1/4 X 5° SOLID CARBIDE DOVETAIL CUTTER	58.61	56.35	54.19	51.84
86	86-0105-C	1/4 X 5° SOLID CARBIDE DOVETAIL CUTTER	63.34	61.09	58.83	56.58
86	86-0110	5/16 X 5° SOLID CARBIDE DOVETAIL CUTTER	63.07	60.65	58.21	55.79
86	86-0110-C	5/16 X 5° SOLID CARBIDE DOVETAIL CUTTER	70.11	67.69	65.25	62.83
86	86-0115	3/8 X 5° SOLID CARBIDE DOVETAIL CUTTER	63.07	60.65	58.21	55.79
86	86-0115-C	3/8 X 5° SOLID CARBIDE DOVETAIL CUTTER	68.34	65.99	63.62	61.27
86	86-0120	1/2 X 5° SOLID CARBIDE DOVETAIL CUTTER	77.50	74.51	71.53	68.55
86	86-0120-C	1/2 X 5° SOLID CARBIDE DOVETAIL CUTTER	86.90	83.91	80.94	77.95
86	86-0125	5/8 X 5° SOLID CARBIDE DOVETAIL CUTTER	100.98	97.10	93.21	89.33
86	86-0125-C	5/8 X 5° SOLID CARBIDE DOVETAIL CUTTER	114.51	110.63	106.74	102.86
86	86-0200	3/16 X 10° SOLID CARBIDE DOVETAIL CUTTER	55.05	52.93	50.81	48.70
86	86-0200-C	3/16 X 10° SOLID CARBIDE DOVETAIL CUTTER	57.41	55.30	53.18	51.06
86	86-0205	1/4 X 10° SOLID CARBIDE DOVETAIL CUTTER	58.61	56.35	54.10	51.84
86	86-0205-C	1/4 X 10° SOLID CARBIDE DOVETAIL CUTTER	63.34	61.09	58.83	56.58
86	86-0210	5/16 X 10° SOLID CARBIDE DOVETAIL CUTTER	61.29	58.94	56.58	54.22
86	86-0210-C	5/16 X 10° SOLID CARBIDE DOVETAIL CUTTER	70.11	67.69	65.25	62.83
86	86-0215	3/8 X 10° SOLID CARBIDE DOVETAIL CUTTER	63.07	59.56	58.21	55.79
86	86-0215-C	3/8 X 10° SOLID CARBIDE DOVETAIL CUTTER	68.34	65.99	63.62	61.27
86	86-0220	1/2 X 10° SOLID CARBIDE DOVETAIL CUTTER	77.50	74.51	71.53	68.55
86	86-0220-C	1/2 X 10° SOLID CARBIDE DOVETAIL CUTTER	86.90	83.91	80.94	77.95
86	86-0225	5/8 X 10° SOLID CARBIDE DOVETAIL CUTTER	100.98	97.10	93.21	89.33
86	86-0225-C	5/8 X 10° SOLID CARBIDE DOVETAIL CUTTER	114.51	110.63	106.74	102.86
86	86-1000	3/16 X 15° SOLID CARBIDE DOVETAIL CUTTER	55.05	52.93	50.81	48.70
86	86-1000-C	3/16 X 15° SOLID CARBIDE DOVETAIL CUTTER	57.41	55.30	53.18	51.06
86	86-1005	1/4 X 15° SOLID CARBIDE DOVETAIL CUTTER	58.61	56.35	54.10	51.84
86	86-1005-C	1/4 X 15° SOLID CARBIDE DOVETAIL CUTTER	63.34	61.09	58.83	56.58
86	86-1010	5/16 X 15° SOLID CARBIDE DOVETAIL CUTTER	61.29	58.94	56.58	54.22
86	86-1010-C	5/16 X 15° SOLID CARBIDE DOVETAIL CUTTER	70.11	67.69	65.25	62.83
86	86-1015	3/8 X 15° SOLID CARBIDE DOVETAIL CUTTER	63.07	60.65	58.21	55.79
86	86-1015-C	3/8 X 15° SOLID CARBIDE DOVETAIL CUTTER	68.34	65.99	63.62	61.27
86	86-1020	1/2 X 15° SOLID CARBIDE DOVETAIL CUTTER	77.50	74.51	71.53	68.55
86	86-1020-C	1/2 X 15° SOLID CARBIDE DOVETAIL CUTTER	86.90	83.91	80.94	77.95

86	86-1025	5/8 X 15° SOLID CARBIDE DOVETAIL CUTTER	100.98	97.10	93.21	89.33
86	86-1025-C	5/8 X 15° SOLID CARBIDE DOVETAIL CUTTER	114.51	110.63	106.74	102.86
86	86-1095	1/8 X 30° SOLID CARBIDE DOVETAIL CUTTER	48.85	46.96	45.08	43.21
86	86-1095-C	1/8 X 30° SOLID CARBIDE DOVETAIL CUTTER	50.61	48.73	46.85	44.97
86	86-1100	3/16 X 30° SOLID CARBIDE DOVETAIL CUTTER	55.05	52.93	50.81	48.70
86	86-1100-C	3/16 X 30° SOLID CARBIDE DOVETAIL CUTTER	57.41	55.30	53.18	51.06
86	86-1105	1/4 X 30° SOLID CARBIDE DOVETAIL CUTTER	58.61	56.35	54.10	51.84
86	86-1105-C	1/4 X 30° SOLID CARBIDE DOVETAIL CUTTER	63.34	61.09	58.83	56.58
86	86-1107	5/16 X 30° SOLID CARBIDE DOVETAIL CUTTER	61.29	58.94	56.58	54.22
86	86-1107-C	5/16 X 30° SOLID CARBIDE DOVETAIL CUTTER	70.11	67.69	65.25	62.83
86	86-1110	3/8 X 30° SOLID CARBIDE DOVETAIL CUTTER	63.07	60.65	58.21	55.79
86	86-1110-C	3/8 X 30° SOLID CARBIDE DOVETAIL CUTTER	68.34	65.99	63.62	61.27
86	86-1115	1/2 X 30° SOLID CARBIDE DOVETAIL CUTTER	77.50	74.51	71.53	68.55
86	86-1115-C	1/2 X 30° SOLID CARBIDE DOVETAIL CUTTER	86.90	83.91	80.94	77.95
86	86-1117	5/8 X 30° SOLID CARBIDE DOVETAIL CUTTER	100.98	97.10	93.21	89.33
86	86-1117-C	5/8 X 30° SOLID CARBIDE DOVETAIL CUTTER	114.51	110.63	106.74	102.86
86	86-1118	3/4 X 30° SOLID CARBIDE DOVETAIL CUTTER	135.69	131.60	127.67	121.28
86	86-1118-C	3/4 X 30° SOLID CARBIDE DOVETAIL CUTTER	147.48	143.39	139.46	133.07
86	86-1119	1/8 X 45° SOLID CARBIDE DOVETAIL CUTTER	48.85	46.96	45.08	43.21
86	86-1119-C	1/8 X 45° SOLID CARBIDE DOVETAIL CUTTER	50.61	48.73	46.85	44.97
86	86-1120	3/16 X 45° SOLID CARBIDE DOVETAIL CUTTER	55.05	52.93	50.81	48.70
86	86-1120-C	3/16 X 45° SOLID CARBIDE DOVETAIL CUTTER	57.41	55.30	53.18	51.06
86	86-1125	1/4 X 45° SOLID CARBIDE DOVETAIL CUTTER	58.61	56.35	54.10	51.84
86	86-1125-C	1/4 X 45° SOLID CARBIDE DOVETAIL CUTTER	63.34	61.09	58.83	56.58
86	86-1127	5/16 X 45° SOLID CARBIDE DOVETAIL CUTTER	61.29	58.94	56.58	54.22
86	86-1127-C	5/16 X 45° SOLID CARBIDE DOVETAIL CUTTER	70.11	67.69	65.25	62.83
86	86-1130	3/8 X 45° SOLID CARBIDE DOVETAIL CUTTER	63.07	60.65	58.21	55.79
86	86-1130-C	3/8 X 45° SOLID CARBIDE DOVETAIL CUTTER	68.34	65.99	63.62	61.27
86	86-1135	1/2 X 45° SOLID CARBIDE DOVETAIL CUTTER	77.50	74.51	71.53	68.55
86	86-1135-C	1/2 X 45° SOLID CARBIDE DOVETAIL CUTTER	86.90	83.91	80.94	77.95
86	86-1137	5/8 X 45° SOLID CARBIDE DOVETAIL CUTTER	100.98	97.10	93.21	89.33
86	86-1137-C	5/8 X 45° SOLID CARBIDE DOVETAIL CUTTER	114.51	110.63	106.74	102.86
86	86-1139	3/4 X 45° SOLID CARBIDE DOVETAIL CUTTER	135.69	131.60	127.67	121.28
86	86-1139-C	3/4 X 45° CARBIDE DOVETAIL CUTTER	147.48	143.39	139.46	133.07
86	86-1142	7/8 X 45° CARBIDE DOVETAIL CUTTER	157.63	152.83	148.24	143.80
86	86-1142-C	7/8 X 45° DOVETAIL CUTTER	172.66	167.93	163.34	158.90
86	86-1144	1 X 45° SOLID CARBIDE DOVETAIL CUTTER	193.54	187.73	182.10	176.64
86	86-1144-C	1 X 45° SOLID DOVETAIL CUTTER ALTIM	208.64	202.83	197.20	191.74

86	86-1160	3/16 X 60° SOLID CARBIDE DOVETAIL CUTTER	55.05	52.93	50.81	48.70
86	86-1160-C	3/16 X 60° SOLID CARBIDE DOVETAIL CUTTER	57.41	55.30	53.18	51.06
86	86-1165	1/4 X 60° SOLID CARBIDE DOVETAIL CUTTER	58.61	56.35	54.10	51.84
86	86-1165-C	1/4 X 60° SOLID CARBIDE DOVETAIL CUTTER	63.34	61.09	58.83	56.58
86	86-1170	5/16 X 60° SOLID CARBIDE DOVETAIL CUTTER	61.29	58.94	56.58	54.22
86	86-1170-C	5/16 X 60° SOLID CARBIDE DOVETAIL CUTTER	70.11	67.69	65.25	62.83
86	86-1175	3/8 X 60° SOLID CARBIDE DOVETAIL CUTTER	63.07	60.65	58.21	55.79
86	86-1175-C	3/8 X 60° SOLID CARBIDE DOVETAIL CUTTER	68.34	65.99	63.62	61.27
86	86-1180	1/2 X 60° SOLID CARBIDE DOVETAIL CUTTER	77.50	74.51	71.53	68.55
86	86-1180-C	1/2 X 60° SOLID CARBIDE DOVETAIL CUTTER	86.90	83.91	80.94	77.95
86	86-1185	5/8 X 60° SOLID CARBIDE DOVETAIL CUTTER	100.98	97.10	93.21	89.33
86	86-1185-C	5/8 X 60° SOLID CARBIDE DOVETAIL CUTTER	114.51	110.63	106.74	102.86
86	86-1200	3/8 X 30° CARBIDE HEAD DOVETAIL CUTTER	78.33	75.32	72.30	69.29
86	86-1200-C	3/8 X 30° CARBIDE HEAD DOVETAIL CUTTER	83.30	80.30	77.28	74.26
86	86-1205	1/2 X 30° CARBIDE HEAD DOVETAIL CUTTER	85.58	82.29	78.99	75.70
86	86-1205-C	1/2 X 30° CARBIDE HEAD DOVETAIL CUTTER	97.35	94.06	90.77	87.48
86	86-1210	3/4 X 30° CARBIDE HEAD DOVETAIL CUTTER	120.04	115.41	110.80	106.18
86	86-1210-C	3/4 X 30° CARBIDE HEAD DOVETAIL CUTTER	133.57	128.95	124.33	119.71
86	86-1215	3/8 X 45° CARBIDE HEAD DOVETAIL CUTTER	73.31	70.49	67.68	64.85
86	86-1215-C	3/8 X 45° CARBIDE HEAD DOVETAIL CUTTER	78.33	75.32	72.30	69.29
86	86-1220	1/2 X 45° CARBIDE HEAD DOVETAIL CUTTER	85.58	82.29	78.99	75.70
86	86-1220-C	1/2 X 45° CARBIDE HEAD DOVETAIL CUTTER	97.35	94.06	90.77	87.48
86	86-1225	3/4 X 45° CARBIDE HEAD DOVETAIL CUTTER	102.58	98.63	94.69	90.75
86	86-1225-C	3/4 X 45° CARBIDE HEAD DOVETAIL CUTTER	133.57	128.95	124.33	119.71
86	86-1250	1/8 X 20° SOLID CARBIDE DOVETAIL CUTTER	48.85	46.96	45.08	43.21
86	86-1250-C	1/8 X 20° SOLID CARBIDE DOVETAIL CUTTER	50.61	48.73	46.85	44.97
86	86-1255	3/16 X 20° SOLID CARBIDE DOVETAIL CUTTER	55.05	52.93	50.81	48.70
86	86-1255-C	3/16 X 20° SOLID CARBIDE DOVETAIL CUTTER	57.41	55.30	53.18	51.06
86	86-1260	1/4 X 20° SOLID CARBIDE DOVETAIL CUTTER	58.60	56.35	54.09	51.84
86	86-1260-C	1/4 X 20° SOLID CARBIDE DOVETAIL CUTTER	63.34	61.09	58.83	56.58
86	86-1265	5/16 X 20° SOLID CARBIDE DOVETAIL CUTTER	61.29	58.95	56.58	54.23
86	86-1265-C	5/16 X 20° SOLID CARBIDE DOVETAIL CUTTER	64.90	62.67	60.30	57.95
86	86-1270	3/8 X 20° SOLID CARBIDE DOVETAIL CUTTER	63.07	60.65	58.21	55.79
86	86-1270-C	3/8 X 20° SOLID CARBIDE DOVETAIL CUTTER	68.34	65.99	63.62	61.27
86	86-1275	1/2 X 20° SOLID CARBIDE DOVETAIL CUTTER	77.50	74.51	71.53	68.55
86	86-1275-C	1/2 X 20° SOLID CARBIDE DOVETAIL CUTTER	86.90	83.91	80.94	77.95
86	86-1280	5/8 X 20° SOLID CARBIDE DOVETAIL CUTTER	100.98	97.10	93.20	89.33
86	86-1280-C	5/8 X 20° SOLID CARBIDE DOVETAIL CUTTER	114.51	110.63	106.74	102.86

86	86-2500	3/16 X 15° X .005 RADIUS DOVETAIL CUTTER	68.03	65.32	62.71	60.19
86	86-2500-C	3/16 X 15° X .005 RADIUS DOVETAIL CUTTER	70.35	67.54	64.83	62.24
86	86-2505	3/16 X 15° X .010 RADIUS DOVETAIL CUTTER	68.03	65.32	62.71	60.19
86	86-2505-C	3/16 X 15° X .010 RADIUS DOVETAIL CUTTER	70.35	67.54	64.83	62.24
86	86-2510	3/16 X 15° X .015 RADIUS DOVETAIL CUTTER	68.03	65.32	62.71	60.19
86	86-2510-C	3/16 X 15° X .015 RADIUS DOVETAIL CUTTER	70.35	67.54	64.83	62.24
86	86-2515	1/4 X 15° X .005 RADIUS DOVETAIL CUTTER	71.59	68.72	65.98	63.34
86	86-2515-C	1/4 X 15° X .005 RADIUS DOVETAIL CUTTER	74.80	71.81	68.94	66.17
86	86-2520	1/4 X 15° X .010 RADIUS DOVETAIL CUTTER	71.59	68.72	65.98	63.34
86	86-2520-C	1/4 X 15° X .010 RADIUS DOVETAIL CUTTER	74.80	71.81	68.94	66.17
86	86-2530	1/4 X 15° X .015 RADIUS DOVETAIL CUTTER	71.59	68.72	65.98	63.34
86	86-2530-C	1/4 X 15° X .010 RADIUS DOVETAIL CUTTER	74.80	71.81	68.94	66.17
86	86-2535	5/16 X 15° X .005 RADIUS DOVETAIL CUTTER	74.27	71.30	68.45	65.71
86	86-2535-C	5/16 X 15° X .005 RADIUS DOVETAIL CUTTER	78.89	75.73	72.71	69.80
86	86-2540	5/16 X 15° X .010 RADIUS DOVETAIL CUTTER	74.27	71.30	68.45	65.71
86	86-2540-C	5/16 X 15° X .010 RADIUS DOVETAIL CUTTER	78.89	75.73	72.71	69.80
86	86-2545	5/16 X 15° X .015 RADIUS DOVETAIL CUTTER	74.27	71.30	68.45	65.71
86	86-2545-C	5/16 X 15° X .015 RADIUS DOVETAIL CUTTER	78.89	75.73	72.71	69.80
86	86-2550	3/8 X 15° X .005 RADIUS DOVETAIL CUTTER	76.05	73.01	70.07	67.29
86	86-2550-C	3/8 X 15° X .005 RADIUS DOVETAIL CUTTER	80.47	77.25	74.15	71.21
86	86-2555	3/8 X 15° X .010 RADIUS DOVETAIL CUTTER	76.05	73.01	70.07	67.29
86	86-2555-C	3/8 X 15° X .010 RADIUS DOVETAIL CUTTER	80.47	77.25	74.15	71.21
86	86-2560	3/8 X 15° X .015 RADIUS DOVETAIL CUTTER	76.05	73.01	70.07	67.29
86	86-2560-C	3/8 X 15° X .015 RADIUS DOVETAIL CUTTER	80.47	77.25	74.15	71.21
86	86-2565	1/2 X 15° X.005 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-2565-C	1/2 X 15° X.005 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-2570	1/2 X 15° X.010 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-2570-C	1/2 X 15° X.010 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-2575	1/2 X 15° X.015 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-2575-C	1/2 X 15° X.015 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-2580	1/2 X 15° X.030 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-2580-C	1/2 X 15° X.030 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-2585	5/8 X 15° X.005 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-2585-C	5/8 X 15° X.005 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48
86	86-2590	5/8 X 15° X.010 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-2590-C	5/8 X 15° X.010 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48
86	86-2595	5/8 X 15° X.015 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-2595-C	5/8 X 15° X.015 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48

86	86-2600	5/8 X 15° X.030 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-2600-C	5/8 X 15° X.030 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48
86	86-3000	1/8 X 30° x .005 RADIUS DOVETAIL CUTTER	61.82	59.35	56.99	54.70
86	86-3000-C	1/8 X 30° x .005 RADIUS DOVETAIL CUTTER	63.41	60.87	58.44	56.10
86	86-3005	1/8 X 30° x .010 RADIUS DOVETAIL CUTTER	61.82	59.35	56.99	54.70
86	86-3005-C	1/8 X 30° x .010 RADIUS DOVETAIL CUTTER	63.41	60.87	58.44	56.10
86	86-3010	1/8 X 30° x .015 RADIUS DOVETAIL CUTTER	61.82	59.35	56.99	54.70
86	86-3010-C	1/8 X 30° x .015 RADIUS DOVETAIL CUTTER	63.41	60.87	58.44	56.10
86	86-3015	3/16 X 30° X .005 RADIUS DOVETAIL CUTTER	68.03	65.32	62.71	60.19
86	86-3015-C	3/16 X 30° X .005 RADIUS DOVETAIL CUTTER	70.35	67.54	64.83	62.24
86	86-3020	3/16 X 30° X .010 RADIUS DOVETAIL CUTTER	68.03	65.32	62.71	60.19
86	86-3020-C	3/16 X 30° X .010 RADIUS DOVETAIL CUTTER	70.35	67.54	64.83	62.24
86	86-3025	3/16 X 30° X .015 RADIUS DOVETAIL CUTTER	68.03	65.32	62.71	60.19
86	86-3025-C	3/16 X 30° X .015 RADIUS DOVETAIL CUTTER	70.35	67.54	64.83	62.24
86	86-3030	1/4 X 30° X .005 RADIUS DOVETAIL CUTTER	71.59	68.72	65.98	63.34
86	86-3030-C	1/4 X 30° X .005 RADIUS DOVETAIL CUTTER	74.80	71.81	68.94	66.17
86	86-3035	1/4 X 30° X .010 RADIUS DOVETAIL CUTTER	71.59	68.72	65.98	63.34
86	86-3035-C	1/4 X 30° X .010 RADIUS DOVETAIL CUTTER	74.80	71.81	68.94	66.17
86	86-3040	1/4 X 30° X .015 RADIUS DOVETAIL CUTTER	71.59	68.72	65.98	63.34
86	86-3040-C	1/4 X 30° X .015 RADIUS DOVETAIL CUTTER	74.80	71.81	68.94	66.17
86	86-3045	5/16 X 30° X .005 RADIUS DOVETAIL CUTTER	74.27	71.30	68.45	65.71
86	86-3045-C	5/16 X 30° X .005 RADIUS DOVETAIL CUTTER	78.89	75.73	72.71	69.80
86	86-3050	5/16 X 30° X .010 RADIUS DOVETAIL CUTTER	74.27	71.30	68.45	65.71
86	86-3050-C	5/16 X 30° X .010 RADIUS DOVETAIL CUTTER	78.89	75.73	72.71	69.80
86	86-3055	5/16 X 30° X .015 RADIUS DOVETAIL CUTTER	74.27	71.30	68.45	65.71
86	86-3055-C	5/16 X 30° X .015 RADIUS DOVETAIL CUTTER	78.89	75.73	72.71	69.80
86	86-3060	3/8 X 30° X .005 RADIUS DOVETAIL CUTTER	76.05	73.01	70.07	67.29
86	86-3060-C	3/8 X 30° X .005 RADIUS DOVETAIL CUTTER	80.47	77.25	74.15	71.21
86	86-3065	3/8 X 30° X .010 RADIUS DOVETAIL CUTTER	76.05	73.01	70.07	67.29
86	86-3065-C	3/8 X 30° X .010 RADIUS DOVETAIL CUTTER	80.47	77.25	74.15	71.21
86	86-3070	3/8 X 30° X .015 RADIUS DOVETAIL CUTTER	76.05	73.01	70.07	67.29
86	86-3070-C	3/8 X 30° X .015 RADIUS DOVETAIL CUTTER	80.47	77.25	74.15	71.21
86	86-3075	3/8 X 30° X .030 RADIUS DOVETAIL CUTTER	76.05	73.01	70.07	67.29
86	86-3075-C	3/8 X 30° X .030 RADIUS DOVETAIL CUTTER	80.47	77.25	74.15	71.21
86	86-3080	1/2 X 30° X .005 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-3080-C	1/2 X 30° X .005 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-3085	1/2 X 30° X .010 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-3085-C	1/2 X 30° X .010 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50

86	86-3090	1/2 X 30° X .015 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-3090-C	1/2 X 30° X .015 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-3095	1/2 X 30° X .030 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-3095-C	1/2 X 30° X .030 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-4000	5/8 X 30° X .005 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-4000-C	5/8 X 30° X .005 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48
86	86-4005	5/8 X 30° X .010 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-4005-C	5/8 X 30° X .010 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48
86	86-4010	5/8 X 30° X .015 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-4010-C	5/8 X 30° X .015 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48
86	86-4015	5/8 X 30° X .030 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-4015-C	5/8 X 30° X .030 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48
86	86-4020	3/4 X 30° X .005 RADIUS SOLID CARBIDE DOVETAIL CUTTER	148.67	142.72	137.01	131.53
86	86-4020-C	3/4 X 30° X .005 RADIUS SOLID CARBIDE DOVETAIL CUTTER	160.04	153.64	147.50	141.59
86	86-4025	3/4 X 30° X .010 RADIUS SOLID CARBIDE DOVETAIL CUTTER	148.67	142.72	137.01	131.53
86	86-4025-C	3/4 X 30° X .010 RADIUS SOLID CARBIDE DOVETAIL CUTTER	160.04	153.64	147.50	141.59
86	86-4030	3/4 X 30° X .015 RADIUS SOLID CARBIDE DOVETAIL CUTTER	148.67	142.72	137.01	131.53
86	86-4030-C	3/4 X 30° X .015 RADIUS SOLID CARBIDE DOVETAIL CUTTER	160.04	153.64	147.50	141.59
86	86-4035	3/4 X 30° X .030 RADIUS SOLID CARBIDE DOVETAIL CUTTER	148.67	142.72	137.01	131.53
86	86-4035-C	3/4 X 30° X .030 RADIUS SOLID CARBIDE DOVETAIL CUTTER	160.04	153.64	147.50	141.59
86	86-5000	1/8 X 45° X .005 RADIUS DOVETAIL CUTTER	61.82	59.35	56.99	54.70
86	86-5000-C	1/8 X 45° X .005 RADIUS DOVETAIL CUTTER	63.41	60.87	58.44	56.10
86	86-5005	1/8 X 45° X .010 RADIUS DOVETAIL CUTTER	61.82	59.35	56.99	54.70
86	86-5005-C	1/8 X 45° X .010 RADIUS DOVETAIL CUTTER	63.41	60.87	58.44	56.10
86	86-5010	1/8 X 45° X .015 RADIUS DOVETAIL CUTTER	61.82	59.35	56.99	54.70
86	86-5010-C	1/8 X 45° X .015 RADIUS DOVETAIL CUTTER	63.41	60.87	58.44	56.10
86	86-5015	3/16 X 45° X .005 RADIUS DOVETAIL CUTTER	68.03	65.32	62.71	60.19
86	86-5015-C	3/16 X 45° X .005 RADIUS DOVETAIL CUTTER	70.35	67.54	64.83	62.24
86	86-5020	3/16 X 45° X .010 RADIUS DOVETAIL CUTTER	68.03	65.32	62.71	60.19
86	86-5020-C	3/16 X 45° X .010 RADIUS DOVETAIL CUTTER	70.35	67.54	64.83	62.24
86	86-5025	3/16 X 45° X .015 RADIUS DOVETAIL CUTTER	68.03	65.32	62.71	60.19
86	86-5025-C	3/16 X 45° X .015 RADIUS DOVETAIL CUTTER	70.35	67.54	64.83	62.24
86	86-5030	1/4 X 45° X .005 RADIUS DOVETAIL CUTTER	71.59	68.72	65.98	63.34
86	86-5030-C	1/4 X 45° X .005 RADIUS DOVETAIL CUTTER	74.80	71.81	68.94	66.17
86	86-5035	1/4 X 45° X .010 RADIUS DOVETAIL CUTTER	71.59	68.72	65.98	63.34
86	86-5035-C	1/4 X 45° X .010 RADIUS DOVETAIL CUTTER	74.80	71.81	68.94	66.17
86	86-5040	1/4 X 45° X .015 RADIUS DOVETAIL CUTTER	71.59	68.72	65.98	63.34
86	86-5040-C	1/4 X 45° X .015 RADIUS DOVETAIL CUTTER	74.80	71.81	68.94	66.17

86	86-5045	1/4 X 45° X .030 RADIUS DOVETAIL CUTTER	71.59	68.72	65.98	63.34
86	86-5045-C	1/4 X 45° X .030 RADIUS DOVETAIL CUTTER	74.80	71.81	68.94	66.17
86	86-5050	5/16 X 45° X .005 RADIUS DOVETAIL CUTTER	74.27	71.30	68.45	65.71
86	86-5050-C	5/16 X 45° X .005 RADIUS DOVETAIL CUTTER	78.89	75.73	72.71	69.80
86	86-5055	5/16 X 45° X .010 RADIUS DOVETAIL CUTTER	74.27	71.30	68.45	65.71
86	86-5055-C	5/16 X 45° X .010 RADIUS DOVETAIL CUTTER	78.89	75.73	72.71	69.80
86	86-5060	5/16 X 45° X .015 RADIUS DOVETAIL CUTTER	74.27	71.30	68.45	65.71
86	86-5060-C	5/16 X 45° X .015 RADIUS DOVETAIL CUTTER	78.89	75.73	72.71	69.80
86	86-5065	5/16 X 45° X .030 RADIUS DOVETAIL CUTTER	74.27	71.30	68.45	65.71
86	86-5065-C	5/16 X 45° X .030 RADIUS DOVETAIL CUTTER	78.89	75.73	72.71	69.80
86	86-5070	3/8 X 45° X .005 RADIUS DOVETAIL CUTTER	76.05	73.01	70.07	67.29
86	86-5070-C	3/8 X 45° X .005 RADIUS DOVETAIL CUTTER	80.47	77.25	74.15	71.21
86	86-5075	3/8 X 45° X .010 RADIUS DOVETAIL CUTTER	76.05	73.01	70.07	67.29
86	86-5075-C	3/8 X 45° X .010 RADIUS DOVETAIL CUTTER	80.47	77.25	74.15	71.21
86	86-5080	3/8 X 45° X .015 RADIUS DOVETAIL CUTTER	76.05	73.01	70.07	67.29
86	86-5080-C	3/8 X 45° X .015 RADIUS DOVETAIL CUTTER	80.47	77.25	74.15	71.21
86	86-5085	3/8 X 45° X .030 RADIUS DOVETAIL CUTTER	76.05	73.01	70.07	67.29
86	86-5085-C	3/8 X 45° X .030 RADIUS DOVETAIL CUTTER	80.47	77.25	74.15	71.21
86	86-5090	1/2 X 45° X.005 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-5090-C	1/2 X 45° X.005 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-5095	1/2 X 45° X.010 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-5095-C	1/2 X 45° X.010 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-6000	1/2 X 45° X.015 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-6000-C	1/2 X 45° X.015 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-6005	1/2 X 45° X.030 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-6005-C	1/2 X 45° X.030 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-6010	1/2 X 45° X.060 RADIUS DOVETAIL CUTTER	90.48	86.85	83.38	80.05
86	86-6010-C	1/2 X 45° X.060 RADIUS DOVETAIL CUTTER	97.77	93.85	90.10	86.50
86	86-6015	5/8 X 45° X.005 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-6015-C	5/8 X 45° X.005 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48
86	86-6020	5/8 X 45° X.010 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-6020-C	5/8 X 45° X.010 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48
86	86-6025	5/8 X 45° X.015 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-6025-C	5/8 X 45° X.015 RADIUS DOVETAIL CUTTER	123.75	118.79	114.01	109.48
86	86-6030	5/8 X 45° X.030 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-6030-C	5/8 X 45° X.030 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48
86	86-6035	5/8 X 45° X.060 RADIUS DOVETAIL CUTTER	113.96	109.40	105.02	100.82
86	86-6035-C	5/8 X 45° X.060 RADIUS DOVETAIL CUTTER	123.75	118.79	114.04	109.48

86	86-6040	3/4 X 45° X .005 RADIUS DOVETAIL CUTTER	148.67	142.72	137.01	131.53
86	86-6040-C	3/4 X 45° X .005 RADIUS DOVETAIL CUTTER	160.04	153.64	147.50	141.59
86	86-6045	3/4 X 45° X .010 RADIUS DOVETAIL CUTTER	148.67	142.72	137.01	131.53
86	86-6045-C	3/4 X 45° X .010 RADIUS DOVETAIL CUTTER	160.04	153.64	147.50	141.59
86	86-6050	3/4 X 45° X .015 RADIUS DOVETAIL CUTTER	148.67	142.72	137.01	131.53
86	86-6050-C	3/4 X 45° X .015 RADIUS DOVETAIL CUTTER	160.04	153.64	147.50	141.59
86	86-6055	3/4 X 45° X .030 RADIUS DOVETAIL CUTTER	148.67	142.72	137.01	131.53
86	86-6055-C	3/4 X 45° X .030 RADIUS DOVETAIL CUTTER	160.04	153.64	147.50	141.59
86	86-6060	3/4 X 45° X .060 RADIUS DOVETAIL CUTTER	148.67	142.72	137.01	131.53
86	86-6060-C	3/4 X 45° X .060 RADIUS DOVETAIL CUTTER	160.04	153.64	147.50	141.59
86	86-6065	7/8 X 45° X .005 RADIUS CARBIDE DOVETAIL CUTTER	170.61	163.79	157.23	150.94
86	86-6065-C	7/8 X 45° X .005 RADIUS CARBIDE DOVETAIL CUTTER	185.18	177.77	170.65	163.83
86	86-6070	7/8 X 45° X .010 RADIUS CARBIDE DOVETAIL CUTTER	170.61	163.79	157.23	150.94
86	86-6070-C	7/8 X 45° X .010 RADIUS CARBIDE DOVETAIL CUTTER	185.18	177.77	170.65	163.83
86	86-6075	7/8 X 45° X .015 RADIUS CARBIDE DOVETAIL CUTTER	170.61	163.79	157.23	150.94
86	86-6075-C	7/8 X 45° X .015 RADIUS CARBIDE DOVETAIL CUTTER	185.18	177.77	170.65	163.83
86	86-6080	7/8 X 45° X .030 RADIUS CARBIDE DOVETAIL CUTTER	170.61	163.79	157.23	150.94
86	86-6080-C	7/8 X 45° X .030 RADIUS CARBIDE DOVETAIL CUTTER	185.18	177.77	170.65	163.83
86	86-6085	7/8 X 45° X .060 RADIUS CARBIDE DOVETAIL CUTTER	170.61	163.79	157.23	150.94
86	86-6085-C	7/8 X 45° X .060 RADIUS CARBIDE DOVETAIL CUTTER	185.18	177.77	170.65	163.83
86	86-6090	1 X 45° X .005 RADIUS SOLID DOVETAIL CUTTER	206.52	198.26	190.33	182.71
86	86-6090-C	1 X 45° X .005 RADIUS SOLID DOVETAIL CUTTER	221.09	212.24	203.75	195.61
86	86-6095	1 X 45° X .010 RADIUS SOLID DOVETAIL CUTTER	206.52	198.26	190.33	182.71
86	86-6095-C	1 X 45° X .010 RADIUS SOLID DOVETAIL CUTTER	221.09	212.24	203.75	195.61
86	86-7000	1 X 45° X .015 RADIUS SOLID DOVETAIL CUTTER	206.52	198.26	190.33	182.71
86	86-7000-C	1 X 45° X .015 RADIUS SOLID DOVETAIL CUTTER	221.09	212.24	203.75	195.61
86	86-7005	1 X 45° X .030 RADIUS SOLID DOVETAIL CUTTER	206.52	198.26	190.33	182.71
86	86-7005-C	1 X 45° X .030 RADIUS SOLID DOVETAIL CUTTER	221.09	212.24	203.75	195.61
86	86-7010	1 X 45° X .060 RADIUS SOLID DOVETAIL CUTTER	206.52	198.26	190.33	182.71
86	86-7010-C	1 X 45° X .060 RADIUS SOLID DOVETAIL CUTTER	221.09	212.24	203.75	195.61
88	88-0870	.100 X 1/4 REACH THREAD MILL	48.09	46.16	44.24	42.31
88	88-0870-C	.100 X 1/4 REACH THREAD MILL	49.85	47.86	45.86	43.87
88	88-0880	.100 X 3/8 REACH THREAD MILL	48.09	46.16	44.24	42.31
88	88-0880-C	.100 X 3/8 REACH THREAD MILL	49.85	47.86	45.86	43.87
88	88-0890	.100 X 1/2 REACH THREAD MILL	48.09	46.16	44.24	42.31
88	88-0890-C	.100 X 1/2 REACH THREAD MILL	49.85	47.86	45.86	43.87
88	88-0900	1/8 X 1/4 REACH THREAD MILL	48.09	46.24	44.39	42.54
88	88-0900-C	1/8 X 1/4 REACH ALTIM THREAD MILL	49.85	48.00	46.15	44.30

88	88-0910	1/8 X 3/8 REACH THREAD MILL	48.09	46.24	44.39	42.54
88	88-0910-C	1/8 X 3/8 REACH ALTIN THREAD MILL	49.85	48.00	46.15	44.30
88	88-0915	1/8 X 1/2 REACH THREAD MILL	48.09	46.16	44.24	42.31
88	88-0915-C	1/8 X 1/2 REACH THREAD MILL	49.85	47.86	45.86	43.87
88	88-1000	.148 X 1/4 REACH THREAD MILL	48.09	46.24	44.39	42.54
88	88-1000-C	.148 X 1/4 REACH ALTIN THREAD MILL	49.85	48.00	46.15	44.30
88	88-1005	.148 X 1/2 REACH THREAD MILL	48.09	46.24	44.39	42.54
88	88-1005-C	.148 X 1/2 REACH ALTIN THREAD MILL	49.85	48.00	46.15	44.30
88	88-1010	3/16 X 3/8 REACH THREAD MILL	48.09	46.24	44.39	42.54
88	88-1010-C	3/16 X 3/8 REACH ALTIN THREAD MILL	49.85	48.00	46.15	44.30
88	88-1015	3/16 X 3/4 REACH THREAD MILL	48.09	46.24	44.39	42.54
88	88-1015-C	3/16 X 3/4 REACH ALTIN THREAD MILL	49.85	48.00	46.15	44.30
88	88-1017	3/16 X 1 REACH THREAD MILL	48.09	46.24	44.39	42.54
88	88-1017-C	3/16 X 1 REACH THREAD MILL	49.85	48.00	46.15	44.30
88	88-1020	1/4 X 3/8 REACH THREAD MILL	52.61	50.59	48.56	46.54
88	88-1020-C	1/4 X 3/8 REACH ALTIN THREAD MILL	55.78	53.76	51.74	49.72
88	88-1025	1/4 X 3/4 REACH THREAD MILL	52.61	50.59	48.56	46.54
88	88-1025-C	1/4 X 3/4 REACH ALTIN THREAD MILL	55.78	53.76	51.74	49.72
88	88-1027	1/4 X 1 REACH THREAD MILL	52.61	50.59	48.56	46.54
88	88-1027-C	1/4 X 1 REACH THREAD MILL	55.78	53.76	51.74	49.72
88	88-1030	5/16 X 1/2 REACH THREAD MILL	52.61	50.59	48.56	46.54
88	88-1030-C	5/16 X 1/2 REACH ALTIN THREAD MILL	55.78	53.76	51.74	49.72
88	88-1035	5/16 X 1 REACH THREAD MILL	52.61	50.59	48.56	46.54
88	88-1035-C	5/16 X 1 REACH ALTIN THREAD MILL	55.78	53.76	51.74	49.72
88	88-1040	3/8 X 1/2 REACH THREAD MILL	58.88	56.62	54.36	52.09
88	88-1040-C	3/8 X 1/2 REACH ALTIN THREAD MILL	65.92	63.66	61.39	59.13
88	88-1045	3/8 X 3/4 REACH THREAD MILL	58.88	56.62	54.36	52.09
88	88-1045-C	3/8 X 3/4 REACH ALTIN THREAD MILL	65.92	63.66	61.39	59.13
88	88-1050	3/8 X 1 REACH THREAD MILL	58.88	56.62	54.36	52.09
88	88-1050-C	3/8 X 1 REACH THREAD MILL	65.92	63.66	61.39	59.13
88	88-1055	3/8 X 1-1/4 REACH THREAD MILL	58.88	56.62	54.36	52.09
88	88-1055-C	3/8 X 1-1/4 REACH THREAD MILL	65.92	63.66	61.39	59.13
88	88-1060	1/2 X 1 REACH THREAD MILL	88.32	84.80	81.26	77.72
88	88-1060-C	1/2 X 1 REACH THREAD MILL	97.73	93.82	89.91	86.00
88	88-1065	1/2 X 1-1/4 REACH THREAD MILL	88.32	84.80	81.26	77.72
88	88-1065-C	1/2 X 1-1/4 REACH THREAD MILL	97.73	93.82	89.91	86.00
88	88-1070	1/2 X 1-1/2 REACH THREAD MILL	88.32	84.80	81.26	77.72
88	88-1070-C	1/2 X 1-1/2 REACH THREAD MILL	97.73	93.82	89.91	86.00

88	88-1100	1/2 X .062 THREAD MILL	82.72	79.54	76.36	73.06
88	88-1100-C	1/2 X .062 ALTIN THREAD MILL	92.13	88.94	85.76	82.58
88	88-1105	TM-625-062 5/8 X .062 THREAD MILL	90.06	86.60	83.13	79.67
88	88-1105-C	5/8 X .062 ALTIN THREAD MILL	103.60	99.46	95.31	91.17
88	88-1110	5/8 X .094 THREAD MILL	90.06	86.60	83.13	79.67
88	88-1110-C	5/8 X .094 ALTIN THREAD MILL	103.60	100.13	96.67	93.20
88	88-1112	5/8 X .135 THREAD MILL	103.77	99.78	95.79	91.80
88	88-1112-C	5/8 X .135 ALTIN THREAD MILL	120.24	116.24	112.25	108.26
88	88-1115	3/4 X .094 THREAD MILL	103.77	99.78	95.79	91.80
88	88-1115-C	3/4 X .094 ALTIN THREAD MILL	120.24	116.24	112.25	108.26
88	88-1120	3/4 X .156 THREAD MILL	130.53	125.51	120.48	115.46
88	88-1120-C	3/4 X .156 ALTIN THREAD MILL	152.91	147.88	142.86	137.84
88	88-1125	1 X .156 THREAD MILL	130.53	125.51	120.48	115.46
88	88-1125-C	1 X .156 ALTIN THREAD MILL	152.91	147.88	142.86	137.84
88	88-1130	1 X .250 THREAD MILL	130.53	125.51	120.48	115.46
88	88-1130-C	1 X .250 ALTIN THREAD MILL	152.91	147.88	142.86	137.84
89	89-1200	6-32 THREAD MILL	98.63	94.69	90.75	86.80
89	89-1205	8-32 THREAD MILL	98.63	94.69	90.75	86.80
89	89-1210	8-36 THREAD MILL	98.63	94.69	90.75	86.80
89	89-1215	10-24 THREAD MILL	98.63	94.69	90.75	86.80
89	89-1220	10-32 THREAD MILL	98.63	94.69	90.75	86.80
89	89-1225	1/4-20 THREAD MILL	111.55	107.08	102.62	98.17
89	89-1230	1/4-28 THREAD MILL	111.55	107.08	102.62	98.17
89	89-1235	5/16-18 THREAD MILL	131.27	126.03	120.77	115.53
89	89-1240	5/16-24 THREAD MILL	131.27	126.03	120.77	115.53
89	89-1245	3/8-16 THREAD MILL	164.35	157.78	151.20	144.63
89	89-1250	3/8-24 THREAD MILL	164.35	157.78	151.20	144.63
89	89-1255	7/16-14 THREAD MILL	177.31	170.21	163.13	156.03
89	89-1260	7/16-20 THREAD MILL	177.31	170.21	163.13	156.03
89	89-1265	1/2-13 THREAD MILL	177.31	170.21	163.13	156.03
89	89-1270	1/2-20 THREAD MILL	177.31	170.21	163.13	156.03
89	89-1275	9/16-12 THREAD MILL	221.97	213.09	204.21	195.33
89	89-1280	9/16-18 THREAD MILL	221.97	213.09	204.21	195.33
89	89-1285	5/8-11 THREAD MILL	221.97	213.09	204.21	195.33
89	89-1290	5/8-18 THREAD MILL	221.97	213.09	204.21	195.33
89	89-1295	3/4-10 THREAD MILL	221.97	213.09	204.21	195.33
89	89-1300	3/4-16 THREAD MILL	221.97	213.09	204.21	195.33
89	89-1305	7/8-9 THREAD MILL	263.91	253.35	242.28	232.24

89	89-1310	7/8-14 THREAD MILL	263.91	253.35	242.80	232.24
89	89-1315	1 -8 THREAD MILL	263.91	253.35	242.80	232.24
89	89-1320	1 -12 THREAD MILL	263.91	253.35	242.80	232.24
89	89-1500	1/16-27 TAPERED PIPE THREAD MILL	131.27	126.03	120.77	115.53
89	89-1520	1/2-14 TAPERED PIPE THREAD MILL	210.87	202.42	194.00	185.56
90	90-1100	SA-500-60 1/2 X 60° SINGLE ANGLE CUTTER	69.55	66.88	64.23	61.52
90	90-1100-C	SA-500-60 1/2 X 60° SINGLE ANGLE CUTTER	76.55	73.49	70.55	67.74
90	90-1105	SA-625-60 5/8 X 60° SINGLE ANGLE CUTTER	88.72	85.32	81.90	78.49
90	90-1105-C	SA-625-60 5/8 X 60° SINGLE ANGLE CUTTER	95.57	92.16	88.75	85.34
90	90-1110	SA-750-60 3/4 X 60° SINGLE ANGLE CUTTER	108.26	104.09	99.93	95.76
90	90-1110-C	SA-750-60 3/4 X 60° SINGLE ANGLE CUTTER	116.22	112.05	107.89	103.73
90	90-1115	SA-500-90 1/2 X 90° SINGLE ANGLE CUTTER	69.55	66.88	64.19	61.52
90	90-1115-C	SA-500-90 1/2 X 90° SINGLE ANGLE CUTTER	75.77	73.09	70.41	67.74
90	90-1120	SA-625-90 5/8 X 90° SINGLE ANGLE CUTTER	88.72	85.32	81.90	78.49
90	90-1120-C	SA-625-90 5/8 X 90° SINGLE ANGLE CUTTER	95.57	92.16	88.75	85.34
90	90-1125	SA-750-90 3/4 X 90° SINGLE ANGLE CUTTER	108.26	104.09	99.93	95.76
90	90-1125-C	SA-750-90 3/4 X 90° SINGLE ANGLE CUTTER	116.22	112.05	107.89	103.73
91	91-1000	PB-120-250 PLASTIC CUTTING BORING BAR	21.34	20.51	19.70	18.87
91	91-1010	PB-120-500 PLASTIC CUTTING BORING BAR	21.34	20.51	19.70	18.87
91	91-1020	PB-120-800 PLASTIC CUTTING BORING BAR	21.34	20.51	19.70	18.87
91	91-1030	PB-180-500 PLASTIC CUTTING BORING BAR	22.87	21.99	21.11	20.24
91	91-1040	PB-180-750 PLASTIC CUTTING BORING BAR	22.87	21.99	21.11	20.24
91	91-1050	PB-180-1250 PLASTIC CUTTING BORING BAR	22.87	21.99	21.11	20.24
91	91-1060	PB-240-500 PLASTIC CUTTING BORING BAR	24.63	23.68	22.74	21.78
91	91-1070	PB-240-750 PLASTIC CUTTING BORING BAR	24.63	23.68	22.74	21.78
91	91-1080	PB-240-1250 PLASTIC CUTTING BORING BAR	24.63	23.68	22.74	21.78
91	91-1090	PB-370-500 PLASTIC CUTTING BORING BAR	47.19	45.38	43.56	41.75
91	91-1100	PB-370-750 PLASTIC CUTTING BORING BAR	47.19	45.38	43.56	41.75
91	91-1110	PB-370-1250 PLASTIC CUTTING BORING BAR	47.19	45.38	43.56	41.75
91	91-1120	PB-490-750 PLASTIC CUTTING BORING BAR	66.19	63.54	58.45	56.04
91	91-1130	PB-490-1000 PLASTIC CUTTING BORING BAR	66.19	63.54	58.45	56.04
91	91-1140	PB-490-1500 PLASTIC CUTTING BORING BAR	66.19	63.54	58.45	56.04
92	92-0880	DA-30-125-188	37.87	36.36	30.08	28.88
92	92-0880-C	DA-30-125-188	39.16	37.60	36.09	34.64
92	92-0885	DA-30-125-375	37.87	36.36	30.08	28.88
92	92-0885-C	DA-30-125-375	39.16	37.60	36.09	34.64
92	92-0890	DA-30-188-250	40.18	38.57	37.03	35.55
92	92-0890-C	DA-30-188-250	42.95	41.21	39.80	38.32

92	92-0895	DA-30-188-750 DOUBLE ANGLE CUTTER	40.18	38.57	37.03	35.55
92	92-0895-C	DA-30-188-750	42.95	41.21	39.80	38.32
92	92-0900	DA-30-250-.250 1/4 X 30° INC. DBL ANGLE CUTTER	52.50	50.48	48.47	46.44
92	92-0900-C	DA-30-250-.250 1/4 X 30° INC. DBL ANGLE CUTTER	57.24	55.22	53.19	51.18
92	92-0902	DA-30-312-312	57.75	55.43	53.23	51.09
92	92-0902-C	DA-30-312-312	63.83	61.27	58.82	56.47
92	92-0904	DA-30-312-1000	57.75	55.43	53.23	51.09
92	92-0904-C	DA-30-312-1000	63.83	61.27	58.82	56.47
92	92-0905	DA-30-250-.750 1/4 X 30° INC. DBL ANGLE CUTTER	52.50	50.48	48.47	46.44
92	92-0905-C	DA-30-250-.750 1/4 X 30° INC. DBL ANGLE CUTTER	57.24	55.22	53.19	51.18
92	92-0907	DA-30-375-.312 3/8 X 30° INC. DBL ANGLE CUTTER	70.65	67.94	65.21	62.49
92	92-0907-C	DA-30-375-.312 3/8 X 30° INC. DBL ANGLE CUTTER	77.69	74.98	72.26	69.54
92	92-0910	DA-30-375-1.00 3/8 X 30° INC. DBL ANGLE CUTTER	70.65	67.94	65.21	62.49
92	92-0910-C	DA-30-375-1.00 3/8 X 30° INC. DBL ANGLE CUTTER	77.69	74.98	72.26	69.54
92	92-0912	DA-30-500-.375 1/2 X 30° INC. DBL ANGLE CUTTER	93.20	89.61	86.03	82.45
92	92-0912-C	DA-30-500-.375 1/2 X 30° INC. DBL ANGLE CUTTER	102.60	99.02	95.05	91.25
92	92-0920	DA-30-500-1.250 1/2 X 30° INC. DBL ANGLE CUTTER	93.20	89.61	86.03	82.45
92	92-0920-C	DA-30-500-1.250 1/2 X 30° INC. DBL ANGLE CUTTER	102.60	99.02	95.05	91.25
92	92-0925	DA-30-625-.250 5/8 X 30° INC. DBL ANGLE CUTTER	91.46	87.94	84.42	80.90
92	92-0925-C	DA-30-625-.250 5/8 X 30° INC. DBL ANGLE CUTTER	100.66	97.25	93.62	90.10
92	92-0930	DA-30-750-250	111.84	107.37	103.08	98.94
92	92-0930-C	DA-30-750-250	123.63	118.68	113.94	109.38
92	92-0955	DA-90-093-125	36.44	34.99	33.58	32.24
92	92-0955-C	3/32 DIA X .125 REACH X 90° INC. DBL ANGLE CUTTER	37.74	36.23	34.77	33.39
92	92-0960	DA-90-093-.250 3/32 X 90° INC. DBL ANGLE CUTTER	36.44	34.99	33.58	32.24
92	92-0960-C	DA-90-093-.250 3/32 X 90° INC. DBL ANGLE CUTTER	37.74	36.23	34.77	33.39
92	92-0965	1/8 DIA X .188 REACH X 90° INC. DBL ANGLE CUTTER	37.87	36.36	30.08	28.88
92	92-0965-C	1/8 DIA X .188 REACH X 90° INC. DBL ANGLE CUTTER	39.16	37.60	36.09	34.64
92	92-0970	1/8 DIA X .500 REACH X 90° INC. DBL ANGLE CUTTER	37.87	36.36	30.08	28.88
92	92-0970-C	1/8 DIA X .500 REACH X 90° INC. DBL ANGLE CUTTER	39.16	37.60	36.09	34.64
92	92-0975	DA-90-187-250 .187 X .250 x 90° DBL ANGLE CUTTER	40.18	38.57	37.03	35.55
92	92-0975-C	DA-90-187-250-C 3/16 DIA X .250 REACH X 90° INC. DBL ANGLE CUTT	42.95	41.21	39.80	38.32
92	92-0980	DA-90-187-500 3/16 DIA X .500 REACH X 90° INC. DBL ANGLE CUTTER	40.18	38.57	37.03	35.55
92	92-0980-C	DA-90-187-500-C 3/16 DIA X .500 REACH X 90° INC. DBL ANGLE CUTT	42.95	41.21	39.80	38.32
92	92-0985	DA-90-187-750 3/16 DIA X .750 REACH X 90° INC. DBL ANGLE CUTTER	40.18	38.57	37.03	35.55
92	92-0985-C	DA-90-187-750-C 3/16 DIA X .750 REACH X 90° INC. DBL ANGLE CUTT	42.95	41.21	39.80	38.32
92	92-0990	DA-90-187-1000 3/16 DIA X 1.00 REACH X 90° INC. DBL ANGLE CUTTE	40.18	38.57	37.03	35.55
92	92-0990-C	DA-90-187-1000-C 3/16 DIA X 1.00 REACH X 90° INC. DBL ANGLE CU	42.95	41.21	39.80	38.32

92	92-1000	DA-90-250-.250 1/4 X 90° INC. DBL ANGLE CUTTER	52.50	50.48	48.47	46.44
92	92-1000-C	DA-90-250-.250 1/4 X 90° INC. DBL ANGLE CUTTER	57.24	55.22	53.19	51.18
92	92-1002	DA-90-250-.500 1/4 X 90° INC. DBL ANGLE CUTTER	52.50	50.48	48.47	46.44
92	92-1002-C	DA-90-250-.500 1/4 X 90° INC. DBL ANGLE CUTTER	57.24	55.22	53.19	51.18
92	92-1005	DA-90-250-.750 1/4 X 90° INC. DBL ANGLE CUTTER	52.50	50.48	48.47	46.44
92	92-1005-C	DA-90-250-.750 1/4 X 90° INC. DBL ANGLE CUTTER	57.24	55.22	53.19	51.18
92	92-1006	DA-90-250-1.000 1/4 X 90° INC. DBL ANGLE CUTTER	52.50	50.48	48.47	46.44
92	92-1006-C	DA-90-250-1.000 1/4 X 90° INC. DBL ANGLE CUTTER	57.24	55.22	53.19	51.18
92	92-1007	DA-90-312-500 5/16 DIA X .500 REACH X 90° INC. DBL ANGLE CUTTER	57.75	55.43	53.23	51.09
92	92-1007-C	DA-90-312-500-C 5/16 DIA X .500 REACH X 90° INC. DBL ANGLE CUTT	63.83	61.27	58.82	56.47
92	92-1008	DA-90-312-750 5/16 DIA X .750 REACH X 90° INC. DBL ANGLE CUTTER	57.75	55.43	53.23	51.09
92	92-1008-C	DA-90-312-750-C 5/16 DIA X .750 REACH X 90° INC. DBL ANGLE CUTT	63.83	61.27	58.82	56.47
92	92-1009	DA-90-312-1000 5/16 DIA X 1.000 REACH X 90° INC. DBL ANGLE CUTT	57.75	55.43	53.23	51.09
92	92-1009-C	DA-90-312-1000-C 5/16 DIA X 1.000 REACH X 90° INC. DBL ANGLE CU	63.83	61.27	58.82	56.47
92	92-1010	DA-90-375-.312 3/8 X 90° INC. DBL ANGLE CUTTER	70.65	67.94	65.21	62.49
92	92-1010-C	DA-90-375-.312 3/8 X 90° INC. DBL ANGLE CUTTER	77.69	74.98	72.26	69.54
92	92-1011	DA-90-375-.500 3/8 X 90° INC. DBL ANGLE CUTTER	70.65	67.94	65.21	62.49
92	92-1011-C	DA-90-375-.500 3/8 X 90° INC. DBL ANGLE CUTTER	77.69	74.98	72.26	69.54
92	92-1012	DA-90-375-.750 3/8 X 90° INC. DBL ANGLE CUTTER	70.65	67.94	65.21	62.49
92	92-1012-C	DA-90-375-.750 3/8 X 90° INC. DBL ANGLE CUTTER	77.69	74.98	72.26	69.54
92	92-1015	DA-90-375-1.000 3/8 X 90° INC. DBL ANGLE CUTTER	70.65	67.94	65.21	62.49
92	92-1015-C	DA-90-375-1.000 3/8 X 90° INC. DBL ANGLE CUTTER	77.69	74.98	72.26	69.54
92	92-1020	1/2 DIA X .375 REACH X 90° INC. DBL ANGLE CUTTER	93.20	89.61	86.03	82.45
92	92-1020-C	DA-90-500-.375 1/2 X 90° INC. DBL ANGLE CUTTER	102.60	99.02	95.05	91.25
92	92-1022	DA-90-500-625 1/2 DIA X .625 REACH X 90° INC. DBL ANGLE CUTTER	93.20	89.61	86.03	82.45
92	92-1022-C	DA-90-500-625 1/2 DIA X .625 REACH X 90° INC. DBL ANGLE CUTTER	102.60	99.02	95.05	91.25
92	92-1023	DA-90-500-875 1/2 DIA X .875 REACH X 90° INC. DBL ANGLE CUTTER	93.20	89.61	86.03	82.45
92	92-1023-C	DA-90-500-875 1/2 DIA X .875 REACH X 90° INC. DBL ANGLE CUTTER	102.60	99.02	95.05	91.25
92	92-1025	DA-90-500-1.250 1/2 X 90° INC. DBL ANGLE CUTTER	93.20	89.61	86.03	82.45
92	92-1025-C	DA-90-500-1.250 1/2 X 90° INC. DBL ANGLE CUTTER	102.60	99.02	95.05	91.25
92	92-1100	DA-500-125-90 1/2 X 90° X .125 DOUBLE ANGLE CUTTER	71.56	68.82	66.06	63.31
92	92-1100-C	DA-500-125 1/2 X 90° X .125 DOUBLE ANGLE CUTTER	79.49	76.74	73.98	71.22
92	92-1105	DA-500-187-90 1/2 X 90° X .187 DOUBLE ANGLE CUTTER	77.50	74.51	70.40	68.55
92	92-1105-C	DA-500-187-90 1/2 X 90° X .187 DOUBLE ANGLE CUTTER	89.26	86.17	82.18	80.33
92	92-1106	DA-90-625-500 5/8 X 90° DBL ANGLE CUTTER	100.98	97.10	93.21	89.33
92	92-1106-C	DA-90-625-500 5/8 X 90° DBL ANGLE CUTTER	114.51	110.63	106.74	102.86
92	92-1107	DA-90-625-750 5/8 x .750 REACH X 90° INC. DBL ANGL	100.98	97.10	93.21	89.33
92	92-1107-C	DA-90-625-750-C 5/8 x .750 REACH X 90° INC. DBL ANGL	114.51	110.63	106.74	102.86

92	92-1108	DA-90-625-1250 5/8 x 1.250 REACH X 90° INC. DBL ANGL	100.98	97.10	93.21	89.33
92	92-1108-C	DA-90-625-1250-C 5/8 x 1.250 REACH X 90° INC. DBL ANGL	114.51	110.63	106.74	102.86
92	92-1110	DA-625-187-90 5/8 X 90° X .187 DOUBLE ANGLE CUTTER	91.46	87.94	84.42	80.90
92	92-1110-C	DA-625-187-90 5/8 X 90° X .187 DOUBLE ANGLE CUTTER	100.66	97.14	93.62	90.10
92	92-1115	DA-625-250-90 5/8 X 90° X .250 DOUBLE ANGLE CUTTER	94.08	90.47	86.84	83.22
92	92-1115-C	DA-625-250-90 5/8 X 90° X .250 DOUBLE ANGLE CUTTER	103.99	100.37	96.75	93.13
92	92-1117	DA-750-125-90 3/4 X 90° X .125 DOUBLE ANGLE CUTTER	110.05	102.57	98.74	94.37
92	92-1117-C	DA-750-125-90 3/4 X 90° X .125 DOUBLE ANGLE CUTTER	121.13	113.64	109.80	105.43
92	92-1120	DA-750-250-90 3/4 X 90° X .250 DOUBLE ANGLE CUTTER	109.40	105.20	100.99	96.78
92	92-1120-C	DA-750-250-90 3/4 X 90° X .250 DOUBLE ANGLE CUTTER	126.53	119.04	115.21	110.83
92	92-1125	DA-100-125-90	131.14	125.48	120.28	114.76
92	92-1125-C	DA-100-125-90-C 1 X .250 REACH X 90°INCL DBL ANGLE CUTTER	146.24	140.58	135.38	129.86
92	92-1130	DA-100-250-90 1 X .250 REACH X 90° INCL DBL ANGLE CUTTER	131.14	125.48	120.28	114.76
92	92-1130-C	DA-100-250-90-C 1 X .250 REACH X 90° INCL DBLE ANGLE CUTTER	146.24	140.58	135.38	129.86
92	92-1180	DA-60-125-.188 1/8 X 60° INC DBL ANGLE CUTTER	37.87	36.36	30.08	28.88
92	92-1180-C	DA-60-125-.188 1/8 X 60° INC DBL ANGLE CUTTER ALTIN	39.16	37.60	36.09	34.64
92	92-1185	DA-60-125-.375 1/8 X 60° INC DBL ANGLE CUTTER	37.87	36.36	30.08	28.88
92	92-1185-C	DA-60-125-.375 1/8 X 60° INC DBL ANGLE CUTTER	39.16	37.60	36.09	34.64
92	92-1190	DA-60-187-.250 3/16 X 60° INC. DBL ANGLE CUTTER	40.18	38.57	37.03	35.55
92	92-1190-C	DA-60-187-.250 3/16 X 60° INC. DBL ANGLE CUTTER ALTIN	42.95	41.21	39.80	38.32
92	92-1195	DA-60-187-.750 3/16 X 60° INC. DBL ANGLE CUTTER	40.18	38.57	37.03	35.55
92	92-1195-C	DA-60-187-.750 3/16 X 60° INC. DBL ANGLE CUTTER ALTIN	42.95	41.21	39.80	38.32
92	92-1200	DA-60-250 1/4 X 60° INC. DBL ANGLE CUTTER	52.50	50.48	48.47	46.44
92	92-1200-C	DA-60-250-.250 1/4 X 60° INC. DBL ANGLE CUTTER	57.24	55.22	53.19	51.18
92	92-1205	DA-60-250-.750 1/4 X 60° INC. DBL ANGLE CUTTER	52.50	50.48	48.47	46.36
92	92-1205-C	DA-60-250-.750 1/4 X 60° INC. DBL ANGLE CUTTER	57.24	55.22	53.19	51.18
92	92-1207	DA-60-312-.312 5/16 X 60° INC. DBL ANGLE CUTTER	57.75	55.43	53.23	51.09
92	92-1207-C	DA-60-312-.312 5/16 X 60° INC. DBL ANGLE CUTTER ALTIN	63.83	61.27	58.82	56.47
92	92-1208	DA-60-312-1.00 5/16 X 60° INC. DBL ANGLE CUTTER	57.75	55.43	53.23	51.09
92	92-1208-C	DA-60-312-1.00 5/16 X 60° INC. DBL ANGLE CUTTER ALTIN	63.83	61.27	58.82	56.47
92	92-1210	DA-60-375-.312 3/8 X 60° INC. DBL ANGLE CUTTER	70.65	67.94	65.21	62.49
92	92-1210-C	DA-60-375-.312 3/8 X 60° INC. DBL ANGLE CUTTER	77.69	74.98	72.26	69.54
92	92-1215	DA-60-375-1.00 3/8 X 60° INC. DBL ANGLE CUTTER	70.65	67.94	65.21	62.49
92	92-1215-C	DA-60-375-1.00 3/8 X 60° INC. DBL ANGLE CUTTER	77.69	74.98	72.26	69.54
92	92-1220	DA-60-500-.375 1/2 X 60° INC. DBL ANGLE CUTTER	93.20	89.61	86.03	82.45
92	92-1220-C	DA-60-500-.375 1/2 X 60° INC. DBL ANGLE CUTTER	102.60	99.02	86.03	82.59
92	92-1225	DA-60-500-1.250 1/2 X 60° INC. DBL ANGLE CUTTER	93.20	89.61	86.03	82.45
92	92-1225-C	DA-60-500-1.250 1/2 X 60° INC. DBL ANGLE CUTTER	102.60	99.02	86.03	82.59

92	92-1230	DA-60-625-.250 5/8 X 60° INC. DBL ANGLE CUTTER	94.08	90.47	86.84	83.22
92	92-1230-C	DA-60-625-.250 5/8 X 60° INC. DBL ANGLE CUTTER ALTIN	103.99	100.37	96.75	93.13
92	92-1235	DA-60-750-.250 3/4 X 60° INC. DBL ANGLE CUTTER	111.84	107.37	103.08	98.94
92	92-1235-C	DA-60-750-.250 3/4 X 60° INC. DBL ANGLE CUTTER ALTIN	123.63	118.68	113.94	109.38
92	92-1280	DA-120-125-188 1/8 X .188 REACH X 120° INCL DBLE ANGLE CUTTER	37.87	36.36	30.08	28.88
92	92-1280-C	DA-120-125-188 1/8 X .188 REACH X 120° INCL DBLE ANGLE CUTTER	39.16	37.60	36.09	34.64
92	92-1285	DA-120-125-500 1/8 X .500 REACH X 120° INCL DBLE ANGLE CUTTER	37.87	36.36	30.08	28.88
92	92-1285-C	DA-120-125-500 1/8 X .500 REACH X 120° INCL DBLE ANGLE CUTTER	39.16	37.60	36.09	34.64
92	92-1290	DA-120-187-250 3/16 X .250 REACH X 120° INCL DBLE ANGLE CUTTER	40.18	38.57	37.03	35.55
92	92-1290-C	DA-120-187-250-C 3/16 X .250 REACH X 120° INCL DBLE ANGLE CUTT	42.95	41.21	39.80	38.32
92	92-1295	DA-120-187-750 3/16 X .750 REACH X 120° INCL DBLE ANGLE CUTTER	40.18	38.57	37.03	35.55
92	92-1295-C	DA-120-187-750-C 3/16 X .750 REACH X 120° INCL DBLE ANGLE CUTTE	42.95	41.21	39.80	38.32
92	92-1300	DA-120-250-.250 1/4 X 120° INC. DBL ANGLE CUTTER	52.50	50.48	48.47	46.44
92	92-1300-C	DA-120-250-.250 1/4 X 120° INC. DBL ANGLE CUTTER	57.24	55.22	53.19	51.18
92	92-1302	DA-120-250-750 1/4 X .750 REACH X 120° INCL DBLE ANGLE CUTTER	52.50	50.48	48.47	46.44
92	92-1302-C	DA-120-250-750-C 1/4 X .750 REACH X 120° INCL DBLE ANGLE CUTTER	57.24	55.22	53.19	51.18
92	92-1304	DA-120-312-312 5/16 X .312 REACH X 120° INCL DBLE ANGLE CUTTER	57.75	55.43	53.23	51.09
92	92-1304-C	DA-120-312-312-C 5/16 X .312 REACH X 120° INCL DBLE ANGLE CUTT	63.83	61.27	58.82	56.47
92	92-1306	DA-120-312-1000 5/16 X 1.0 REACH X 120° INCL DBLE ANGLE CUTT	57.75	55.43	53.23	51.09
92	92-1306-C	DA-120-312-1000-C 5/16 X 1.0 REACH X 120° INCL DBLE ANGLE CUT	63.83	61.27	58.82	56.47
92	92-1310	DA-120-375-.312 3/8 X 120° INC. DBL ANGLE CUTTER	70.65	67.94	65.21	62.49
92	92-1310-C	DA-120-375-.312 3/8 X 120° INC. DBL ANGLE CUTTER	77.69	74.98	72.26	69.54
92	92-1315	DA-120-375-1000 3/8 X 1.0 REACH X 120° INCL DBLE ANGLE CUT	70.65	67.94	65.21	62.49
92	92-1315-C	DA-120-375-1000-C 3/8 X 1.0 REACH X 120° INCL DBLE ANGLE CUT	77.69	74.98	72.26	69.54
92	92-1320	DA-120-500-.375 1/2 X 120° INC. DBL ANGLE CUTTER	93.20	89.61	86.03	82.45
92	92-1320-C	DA-120-500-.375 1/2 X 120° INC. DBL ANGLE CUTTER	102.60	99.02	86.03	82.59
92	92-1325	DA-120-500-1250 1/2 X 1.250 REACH X 120° INCL DBLE ANGLE CU	93.20	89.61	86.03	82.45
92	92-1325-C	DA-120-500-1250-C 1/2 X 1.250 REACH X 120° INCL DBLE ANGLE CU	102.60	99.02	95.05	91.25
92	92-1500	DA-45-125-188	37.87	36.36	30.08	28.88
92	92-1500-C	DA-45-125-188	39.16	37.60	36.09	34.64
92	92-1505	DA-45-125-375	37.87	36.36	30.08	28.88
92	92-1505-C	DA-45-125-375	39.16	37.60	36.09	34.64
92	92-1510	DA-45-188-250	40.18	38.57	37.03	35.55
92	92-1510-C	DA-45-188-250	42.95	41.21	39.80	38.32
92	92-1515	DA-45-188-750	40.18	38.57	37.03	35.55
92	92-1515-C	DA-45-188-750	42.95	41.21	39.80	38.32
92	92-1520	DA-45-250-250	52.50	50.48	48.47	46.44
92	92-1520-C	DA-45-250-250	57.24	55.22	53.19	51.18

92	92-1525	DA-45-250-750	52.50	50.48	48.47	46.44
92	92-1525-C	DA-45-250-750	57.24	55.22	53.19	51.18
92	92-1530	DA-45-312-312	57.75	55.43	53.23	51.09
92	92-1530-C	DA-45-312-312	63.83	61.27	58.82	56.47
92	92-1535	DA-45-312-1000	57.75	55.43	53.23	51.09
92	92-1535-C	DA-45-312-1000	63.83	61.27	58.82	56.47
92	92-1540	DA-45-375-312	70.65	67.94	65.21	62.49
92	92-1540-C	DA-45-375-312	77.69	74.98	72.26	69.54
92	92-1545	DA-45-375-1000	70.65	67.94	65.21	62.49
92	92-1545-C	DA-45-375-1000	77.69	74.98	72.26	69.54
92	92-1550	DA-45-500-375 DBL ANGLE CUTTER	93.20	89.61	86.03	82.45
92	92-1550-C	DA-45-500-375	102.60	99.02	95.05	91.25
92	92-1555	DA-45-500-1250	93.20	89.61	86.03	82.45
92	92-1555-C	DA-45-500-1250	102.60	99.02	86.03	82.59
92	92-1560	DA-45-625-250	91.46	87.94	84.42	80.90
92	92-1560-C	DA-45-625-250	100.66	97.14	93.62	90.10
92	92-1565	DA-45-750-250 3/4 X 150 WIDE X 45° INC DBL ANGLE CUTTER	111.84	107.37	103.08	98.94
92	92-1565-C	DA-45-750-250 3/4 X 150 WIDE X 45° INC DBL ANGLE CUTTER-ALTIN	123.63	118.68	113.94	109.38
93	93-0620	.0620 CARBIDE REAMER	21.97	21.12	20.28	19.44
93	93-0625	.0625 CARBIDE REAMER	21.97	21.12	20.28	19.44
93	93-0630	.0630 CARBIDE REAMER	21.97	21.12	20.28	19.44
93	93-0635	.0635 CARBIDE REAMER	21.97	21.12	20.28	19.44
93	93-0930	.0930 CARBIDE REAMER	21.35	20.53	19.71	18.88
93	93-0935	.0935 CARBIDE REAMER	21.35	20.53	19.71	18.88
93	93-0938	.0938 CARBIDE REAMER	21.35	20.53	19.71	18.88
93	93-0940	.0940 CARBIDE REAMER	21.35	20.53	19.71	18.88
93	93-0945	.0945 CARBIDE REAMER	21.35	20.53	19.71	18.88
93	93-1090	.1090 CARBIDE REAMER	21.35	20.53	19.71	18.88
93	93-1094	.1094 CARBIDE REAMER	21.35	20.53	19.71	18.88
93	93-1100	.1100 CARBIDE REAMER	21.35	20.53	19.71	18.88
93	93-1240	.1240 CARBIDE REAMER	23.86	22.94	22.02	21.10
93	93-1245	.1245 CARBIDE REAMER	23.86	22.94	22.02	21.10
93	93-1250	.1250 CARBIDE REAMER	23.86	22.94	22.02	21.10
93	93-1255	.1255 CARBIDE REAMER	23.86	22.94	22.02	21.10
93	93-1700	.1700 CARBIDE REAMER	31.40	30.18	28.98	27.78
93	93-1719	.1719 CARBIDE REAMER	31.40	30.18	28.98	27.78
93	93-1725	.1725 CARBIDE REAMER	31.40	30.18	28.98	27.78
93	93-1860	.1860 CARBIDE REAMER	31.40	30.18	28.98	27.78

93	93-1865	.1865 CARBIDE REAMER	31.40	30.18	28.98	27.78
93	93-1870	.1870 CARBIDE REAMER	31.40	30.18	28.98	27.78
93	93-1875	.1875 CARBIDE REAMER	31.40	30.18	28.98	27.78
93	93-1880	.1880 CARBIDE REAMER	31.40	30.18	28.98	27.78
93	93-1885	.1885 CARBIDE REAMER	31.40	30.18	28.98	27.78
93	93-2025	.2025 CARBIDE REAMER	36.41	35.02	33.62	32.22
93	93-2031	.2031 CARBIDE REAMER	36.41	35.02	33.62	32.22
93	93-2035	.2035 CARBIDE REAMER	36.41	35.02	33.62	32.22
93	93-2330	.2330 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2340	.2340 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2344	.2344 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2350	.2350 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2470	.2470 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2475	.2475 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2480	.2480 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2485	.2485 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2490	.2490 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2495	.2495 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2500	.2500 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2505	.2505 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2510	.2510 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2515	.2515 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2520	.2520 CARBIDE REAMER	42.06	40.44	38.83	37.21
93	93-2650	.2650 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-2656	.2656 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-2660	.2660 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-2800	.2800 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-2812	.2812 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-2820	.2820 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-2960	.2960 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-2965	.2965 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-2969	.2969 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-2975	.2975 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-3115	.3115 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-3120	.3120 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-3125	.3125 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-3130	.3130 CARBIDE REAMER	51.47	49.49	47.51	45.54
93	93-3135	.3135 CARBIDE REAMER	51.47	49.49	47.51	45.54

93	93-3275	.3275 CARBIDE REAMER	57.76	55.53	53.32	47.24
93	93-3281	.3281 CARBIDE REAMER	57.76	55.53	53.32	47.24
93	93-3285	.3285 CARBIDE REAMER	57.76	55.53	53.32	47.24
93	93-3430	.3430 CARBIDE REAMER	57.76	55.53	53.32	47.24
93	93-3435	.3435 CARBIDE REAMER	57.76	55.53	53.32	47.24
93	93-3438	.3438 CARBIDE REAMER	57.76	55.53	53.32	47.24
93	93-3445	.3445 CARBIDE REAMER	57.76	55.53	53.32	47.24
93	93-3590	.3590 CARBIDE REAMER	62.78	60.36	57.95	55.53
93	93-3594	.3594 CARBIDE REAMER	62.78	60.36	57.95	55.53
93	93-3600	.3600 CARBIDE REAMER	62.78	60.36	57.95	55.53
93	93-3730	.3730 CARBIDE REAMER	75.33	72.45	69.54	66.65
93	93-3735	.3735 CARBIDE REAMER	75.33	72.45	69.54	66.65
93	93-3740	.3740 CARBIDE REAMER	75.33	72.45	69.54	66.65
93	93-3745	.3745 CARBIDE REAMER	75.33	72.45	69.54	66.65
93	93-3750	.3750 CARBIDE REAMER	75.33	72.45	69.54	66.65
93	93-3755	.3755 CARBIDE REAMER	75.33	72.45	69.54	66.65
93	93-3760	.3760 CARBIDE REAMER	75.33	72.45	69.54	66.65
93	93-3900	.3900 CARBIDE REAMER	94.17	90.55	86.93	83.30
93	93-3906	.3906 CARBIDE REAMER	94.17	90.55	86.93	83.30
93	93-3910	.3910 CARBIDE REAMER	94.17	90.55	86.93	83.30
93	93-4060	.4060 CARBIDE REAMER	94.17	90.55	86.93	83.30
93	93-4062	.4062 CARBIDE REAMER	94.17	90.55	86.93	83.30
93	93-4070	.4070 CARBIDE REAMER	94.17	90.55	86.93	83.30
93	93-4210	.4210 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4219	.4219 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4225	.4225 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4365	.4365 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4370	.4370 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4375	.4375 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4380	.4380 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4525	.4525 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4531	.4531 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4540	.4540 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4680	.4680 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4688	.4688 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4695	.4695 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4840	.4840 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4844	.4844 CARBIDE REAMER	97.93	94.17	90.40	86.64

93	93-4850	.4850 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4980	.4980 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4985	.4985 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4990	.4990 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-4995	.4995 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-5000	.5000 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-5005	.5005 CARBIDE REAMER	97.93	94.17	90.40	86.64
93	93-5010	.5010 CARBIDE REAMER	97.93	94.17	90.40	86.64
94	94-1100	SB-125 1/8 ID X 5/8 OD BUSHING	39.11	37.61	36.09	34.59
94	94-1105	SB-187 3/16 ID X 5/8 OD BUSHING	39.11	37.61	36.09	34.59
94	94-1110	SB-250 1/4 ID X 5/8 OD BUSHING	39.11	37.61	36.09	34.59
94	94-1115	SB-312 5/16 ID X 5/8 OD BUSHING	39.11	37.61	36.09	34.59
94	94-1120	SB-375 3/8 ID X 5/8 OD BUSHING	39.11	37.61	36.09	34.59
94	94-1125	SB-437 7/16 ID X 5/8 OD BUSHING	39.11	37.61	36.09	34.59
94	94-1130	SB-500 1/2 ID X 5/8 OD BUSHING	39.11	37.61	36.09	34.59
94	94-1135	SB-125-5 1/8 ID X 1/2 OD BUSHING	40.55	39.00	37.43	35.88
94	94-1140	SB-187-5 3/16 ID X 1/2 OD BUSHING	40.55	39.00	37.43	35.88
94	94-1145	SB-250-5 1/4 ID X 1/2 OD BUSHING	40.55	39.00	37.43	35.88
94	94-1150	SB-312-5 5/16 ID X 1/2 OD BUSHING	40.55	39.00	37.43	35.88
94	94-1155	SB-375-5 3/8 ID X 1/2 OD BUSHING	40.55	39.00	37.43	35.88
98	98-2400	STANDARD SHANK HOLDER WITH 3/4 SHANK	302.55	290.92	279.28	267.64
98	98-2405	1 SQ SHANK QUICK CHANGE HOLDER	302.55	290.92	279.28	267.64
98	98-2450	TIP BUSHING 1/8 I.D. 5/8 O.D.	44.19	42.50	40.80	39.10
98	98-2455	TIP BUSHING 3/16 I.D. 5/8 O.D.	44.19	42.50	40.80	39.10
98	98-2460	TIP BUSHING 1/4 I.D. 5/8 O.D.	44.19	42.50	40.80	39.10
98	98-2465	TIP BUSHING 5/16 I.D. 5/8 O.D.	44.19	42.50	40.80	39.10
98	98-2470	TIP BUSHING 3/8 I.D. 5/8 O.D.	44.19	42.50	40.80	39.10
98	98-2475	TIP BUSHING 1/2 I.D. 5/8 O.D.	44.19	42.50	40.80	39.10
98	98-SCREW	SCREW FOR SERIES 98 HOLDER	20.23	19.41	18.64	17.89
98	98-WEDGE	WEDGE FOR SERIES 98 HOLDER	46.36	46.36	46.36	46.36
99	99-1100	BHF-0203S REPLACEMENT SCREW	2.23	2.14	2.06	1.97
99	99-1105	BHF-0203B REPLACEMENT SCREW	2.23	2.14	2.06	1.97
99	99-1110	BHF-0306R REPLACEMENT SCREW	2.30	2.22	2.13	2.04
99	99-1115	BHX-0410R REPLACEMENT SCREW	3.06	2.94	2.82	2.70
99	99-1120	S-90 SCREW	4.80	4.62	4.42	4.24
99	99-1125	S-95 REPLACEMENT SCREWS	4.80	4.62	4.42	4.24
99	99-1130	S-98 SCREW	3.06	2.94	2.82	2.70
99	99-1132	S-98-S SCREW .275 OAL	3.06	2.94	2.82	2.70

99	99-1135	S-6 SCREW	4.98	4.82	4.67	4.53
99	99-1145	S-08 SCREW	4.98	4.82	4.67	4.53
99	99-1150	S-11 SCREW	4.98	4.82	4.67	4.53
99	99-1155	S-16-S SCREWS	5.95	5.76	5.59	5.42
99	99-1160	S-16 REPLACEMENT SCREW	5.95	5.76	5.59	5.42
99	99-1165	BHF-0308R REPLACEMENT SCREW	3.21	3.09	2.96	2.84
99	99-1170	BFTX-02506 REPLACEMENT SCREW	7.40	7.12	6.82	6.54
101	101-1000	1/4 X 1/16 X .005 RADS SOLID CARBIDE KEY CUTTER	49.21	47.26	45.36	43.55
101	101-1000-C	1/4 X 1/16 X .005 RADS SOLID CARBIDE KEY CUTTER	52.43	50.33	48.32	46.38
101	101-1020	1/4 X 1/16 X .010 RADS SOLID CARBIDE KEY CUTTER	49.21	47.26	45.36	43.55
101	101-1020-C	1/4 X 1/16 X .010 RADS SOLID CARBIDE KEY CUTTER	52.43	50.33	48.32	46.38
101	101-1030	1/4 X 1/16 X .015 RADS SOLID CARBIDE KEY CUTTER	49.21	47.26	45.36	43.55
101	101-1030-C	1/4 X 1/16 X .015 RADS SOLID CARBIDE KEY CUTTER	52.43	50.33	48.32	46.38
101	101-1040	1/4 X 3/32 X .005 RADS SOLID CARBIDE KEY CUTTER	49.21	47.26	45.36	43.55
101	101-1040-C	1/4 X 3/32 X .005 RADS SOLID CARBIDE KEY CUTTER	52.43	50.33	48.32	46.38
101	101-1050	1/4 X 3/32 X .010 RADS SOLID CARBIDE KEY CUTTER	49.21	47.26	45.36	43.55
101	101-1050-C	1/4 X 3/32 X .010 RADS SOLID CARBIDE KEY CUTTER	52.43	50.33	48.32	46.38
101	101-1060	1/4 X 3/32 X .015 RADS SOLID CARBIDE KEY CUTTER	49.21	47.26	45.36	43.55
101	101-1060-C	1/4 X 3/32 X .015 RADS SOLID CARBIDE KEY CUTTER	52.43	50.33	48.32	46.38
101	101-1070	1/4 X 1/8 X .005 RADS SOLID CARBIDE KEY CUTTER	49.21	47.26	45.36	43.55
101	101-1070-C	1/4 X 1/8 X .005 RADS SOLID CARBIDE KEY CUTTER	52.43	50.33	48.32	46.38
101	101-1080	1/4 X 1/8 X .010 RADS SOLID CARBIDE KEY CUTTER	49.21	47.26	45.36	43.55
101	101-1080-C	1/4 X 1/8 X .010 RADS SOLID CARBIDE KEY CUTTER	52.43	50.33	48.32	46.38
101	101-1090	1/4 X 1/8 X .015 RADS SOLID CARBIDE KEY CUTTER	49.21	47.26	45.36	43.55
101	101-1090-C	1/4 X 1/8 X .015 RADS SOLID CARBIDE KEY CUTTER	52.43	50.33	48.32	46.38
101	101-1100	1/4 X 1/8 X .030 RADS SOLID CARBIDE KEY CUTTER	49.21	47.26	45.36	43.55
101	101-1100-C	1/4 X 1/8 X .030 RADS SOLID CARBIDE KEY CUTTER	52.43	50.33	48.32	46.38
101	101-1110	5/16 X 1/16 X .005 RADS SOLID CARBIDE KEY CUTTER	64.73	62.14	59.66	57.27
101	101-1110-C	5/16 X 1/16 X .005 RADS SOLID CARBIDE KEY CUTTER	69.37	66.57	64.82	61.35
101	101-1120	5/16 X 1/16 X .010 RADS SOLID CARBIDE KEY CUTTER	64.73	62.14	59.66	57.27
101	101-1120-C	5/16 X 1/16 X .010 RADS SOLID CARBIDE KEY CUTTER	69.37	66.57	64.82	61.35
101	101-1130	5/16 X 1/16 X .015 RADS SOLID CARBIDE KEY CUTTER	64.73	62.14	59.66	57.27
101	101-1130-C	5/16 X 1/16 X .015 RADS SOLID CARBIDE KEY CUTTER	69.37	66.57	64.82	61.35
101	101-1140	5/16 X 3/32 X .005 RADS SOLID CARBIDE KEY CUTTER	64.73	62.14	59.66	57.27
101	101-1140-C	5/16 X 3/32 X .005 RADS SOLID CARBIDE KEY CUTTER	69.37	66.57	64.82	61.35
101	101-1150	5/16 X 3/32 X .010 RADS SOLID CARBIDE KEY CUTTER	64.73	62.14	59.66	57.27
101	101-1150-C	5/16 X 3/32 X .010 RADS SOLID CARBIDE KEY CUTTER	69.37	66.57	64.82	61.35
101	101-1160	5/16 X 3/32 X .015 RADS SOLID CARBIDE KEY CUTTER	64.73	62.14	59.66	57.27

101	101-1160-C	5/16 X 3/32 X .015 RADS SOLID CARBIDE KEY CUTTER	69.37	66.57	64.82	61.35
101	101-1170	5/16 X 1/8 X .005 RADS SOLID CARBIDE KEY CUTTER	64.73	62.14	59.66	57.27
101	101-1170-C	5/16 X 1/8 X .005 RADS SOLID CARBIDE KEY CUTTER	69.37	66.57	64.82	61.35
101	101-1180	5/16 X 1/8 X .010 RADS SOLID CARBIDE KEY CUTTER	64.73	62.14	59.66	57.27
101	101-1180-C	5/16 X 1/8 X .010 RADS SOLID CARBIDE KEY CUTTER	69.37	66.57	64.82	61.35
101	101-1190	5/16 X 1/8 X .015 RADS SOLID CARBIDE KEY CUTTER	64.73	62.14	59.66	57.27
101	101-1190-C	5/16 X 1/8 X .015 RADS SOLID CARBIDE KEY CUTTER	69.37	66.57	64.82	61.35
101	101-1200	5/16 X 1/8 X .030 RADS SOLID CARBIDE KEY CUTTER	64.73	62.14	59.66	57.27
101	101-1200-C	5/16 X 1/8 X .030 RADS SOLID CARBIDE KEY CUTTER	69.37	66.57	64.82	61.35
101	101-1210	3/8 X 1/16 X .005 RADS SOLID CARBIDE KEY CUTTER	72.75	69.84	67.05	64.37
101	101-1210-C	3/8 X 1/16 X .005 RADS SOLID CARBIDE KEY CUTTER	80.97	77.72	74.62	71.63
101	101-1220	3/8 X 1/16 X .010 RADS SOLID CARBIDE KEY CUTTER	72.75	69.84	67.05	64.37
101	101-1220-C	3/8 X 1/16 X .010 RADS SOLID CARBIDE KEY CUTTER	80.97	77.72	74.62	71.63
101	101-1230	3/8 X 1/16 X .015 RADS SOLID CARBIDE KEY CUTTER	72.75	69.84	67.05	64.37
101	101-1230-C	3/8 X 1/16 X .015 RADS SOLID CARBIDE KEY CUTTER	80.97	77.72	74.62	71.63
101	101-1240	3/8 X 3/32 X .005 RADS SOLID CARBIDE KEY CUTTER	72.75	69.84	67.05	64.37
101	101-1240-C	3/8 X 3/32 X .005 RADS SOLID CARBIDE KEY CUTTER	80.97	77.72	74.62	71.63
101	101-1250	3/8 X 3/32 X .010 RADS SOLID CARBIDE KEY CUTTER	72.75	69.84	67.05	64.37
101	101-1250-C	3/8 X 3/32 X .010 RADS SOLID CARBIDE KEY CUTTER	80.97	77.72	74.62	71.63
101	101-1260	3/8 X 3/32 X .015 RADS SOLID CARBIDE KEY CUTTER	72.75	69.84	67.05	64.37
101	101-1260-C	3/8 X 3/32 X .015 RADS SOLID CARBIDE KEY CUTTER	80.97	77.72	74.62	71.63
101	101-1270	3/8 X 1/8 X .005 RADS SOLID CARBIDE KEY CUTTER	72.75	69.84	67.05	64.37
101	101-1270-C	3/8 X 1/8 X .005 RADS SOLID CARBIDE KEY CUTTER	80.97	77.72	74.62	71.63
101	101-1280	3/8 X 1/8 X .010 RADS SOLID CARBIDE KEY CUTTER	72.75	69.84	67.05	64.37
101	101-1280-C	3/8 X 1/8 X .010 RADS SOLID CARBIDE KEY CUTTER	80.97	77.72	74.62	71.63
101	101-1290	3/8 X 1/8 X .015 RADS SOLID CARBIDE KEY CUTTER	72.75	69.84	67.05	64.37
101	101-1290-C	3/8 X 1/8 X .015 RADS SOLID CARBIDE KEY CUTTER	80.97	77.72	74.62	71.63
101	101-1300	3/8 X 1/8 X .030 RADS SOLID CARBIDE KEY CUTTER	72.75	69.84	67.05	64.37
101	101-1300-C	3/8 X 1/8 X .030 RADS SOLID CARBIDE KEY CUTTER	80.97	77.72	74.62	71.63
101	101-1310	1/2 X 1/16 X .005 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1310-C	1/2 X 1/16 X .005 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1320	1/2 X 1/16 X .010 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1320-C	1/2 X 1/16 X .010 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1330	1/2 X 1/16 X .015 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1330-C	1/2 X 1/16 X .015 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1340	1/2 X 3/32 X .005 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1340-C	1/2 X 3/32 X .005 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1350	1/2 X 3/32 X .010 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.63

101	101-1350-C	1/2 X 3/32 X .010 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1360	1/2 X 3/32 X .015 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1360-C	1/2 X 3/32 X .015 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1370	1/2 X 1/8 X .005 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1370-C	1/2 X 1/8 X .005 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1380	1/2 X 1/8 X .010 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1380-C	1/2 X 1/8 X .010 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1390	1/2 X 1/8 X .015 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1390-C	1/2 X 1/8 X .015 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1400	1/2 X 1/8 X .030 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1400-C	1/2 X 1/8 X .030 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1410	1/2 X 1/4 X .005 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1410-C	1/2 X 1/4 X .005 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1420	1/2 X 1/4 X .010 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1420-C	1/2 X 1/4 X .010 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1430	1/2 X 1/4 X .015 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1430-C	1/2 X 1/4 X .015 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
101	101-1440	1/2 X 1/4 X .030 RADS SOLID CARBIDE KEY CUTTER	92.27	88.57	85.04	81.64
101	101-1440-C	1/2 X 1/4 X .030 RADS SOLID CARBIDE KEY CUTTER	103.63	99.49	95.51	91.68
102	102-1000	5/8 X 1/16 X .005 RADS CARBIDE KEY CUTTER	98.52	94.58	90.80	87.17
102	102-1000-C	5/8 X 1/16 X .005 RADS CARBIDE KEY CUTTER	108.31	103.97	99.82	95.83
102	102-1020	5/8 X 1/16 X .010 RADS CARBIDE KEY CUTTER	98.52	94.58	90.80	87.17
102	102-1020-C	5/8 X 1/16 X .010 RADS CARBIDE KEY CUTTER	108.31	103.97	99.82	95.83
102	102-1030	5/8 X 1/16 X .015 RADS CARBIDE KEY CUTTER	98.52	94.58	90.80	87.17
102	102-1030-C	5/8 X 1/16 X .015 RADS CARBIDE KEY CUTTER	108.31	103.97	99.82	95.83
102	102-1040	5/8 X 3/32 X .005 RADS CARBIDE KEY CUTTER	98.52	94.58	90.80	87.17
102	102-1040-C	5/8 X 3/32 X .005 RADS CARBIDE KEY CUTTER	108.31	103.97	99.82	95.83
102	102-1050	5/8 X 3/32 X .010 RADS CARBIDE KEY CUTTER	98.52	94.58	90.80	87.17
102	102-1050-C	5/8 X 3/32 X .010 RADS CARBIDE KEY CUTTER	108.31	103.97	99.82	95.83
102	102-1060	5/8 X 3/32 X .015 RADS CARBIDE KEY CUTTER	98.52	94.58	90.80	87.17
102	102-1060-C	5/8 X 3/32 X .015 RADS CARBIDE KEY CUTTER	108.31	103.97	99.82	95.83
102	102-1070	5/8 X 1/8 X .005 RADS CARBIDE KEY CUTTER	98.52	94.58	90.80	87.17
102	102-1070-C	5/8 X 1/8 X .005 RADS CARBIDE KEY CUTTER	108.31	103.97	99.82	95.83
102	102-1080	5/8 X 1/8 X .010 RADS CARBIDE KEY CUTTER	98.52	94.58	90.80	87.17
102	102-1080-C	5/8 X 1/8 X .010 RADS CARBIDE KEY CUTTER	108.31	103.97	99.82	95.83
102	102-1090	5/8 X 1/8 X .015 RADS CARBIDE KEY CUTTER	98.52	94.58	90.80	87.17
102	102-1090-C	5/8 X 1/8 X .015 RADS CARBIDE KEY CUTTER	108.31	103.97	99.82	95.83
102	102-1100	5/8 X 1/8 X .030 RADS CARBIDE KEY CUTTER	98.52	94.58	90.80	87.17

102	102-1100-C	5/8 X 1/8 X .030 RADS CARBIDE KEY CUTTER	108.31	103.97	99.82	95.83
102	102-1110	3/4 X 1/16 X .005 RADS CARBIDE KEY CUTTER	116.41	111.75	107.28	102.99
102	102-1110-C	3/4 X 1/16 X .005 RADS CARBIDE KEY CUTTER	127.79	122.68	117.76	113.06
102	102-1120	3/4 X 1/16 X .010 RADS CARBIDE KEY CUTTER	116.41	111.75	107.28	102.99
102	102-1120-C	3/4 X 1/16 X .010 RADS CARBIDE KEY CUTTER	127.79	122.68	117.76	113.06
102	102-1130	3/4 X 1/16 X .015 RADS CARBIDE KEY CUTTER	116.41	111.75	107.28	102.99
102	102-1130-C	3/4 X 1/16 X .015 RADS CARBIDE KEY CUTTER	127.79	122.68	117.76	113.06
102	102-1140	3/4 X 3/32 X .005 RADS CARBIDE KEY CUTTER	116.41	111.75	107.28	102.99
102	102-1140-C	3/4 X 3/32 X .005 RADS CARBIDE KEY CUTTER	127.79	122.68	117.76	113.06
102	102-1150	3/4 X 3/32 X .010 RADS CARBIDE KEY CUTTER	116.41	111.75	107.28	102.99
102	102-1150-C	3/4 X 3/32 X .010 RADS CARBIDE KEY CUTTER	127.79	122.68	117.76	113.06
102	102-1160	3/4 X 3/32 X .015 RADS CARBIDE KEY CUTTER	116.41	111.75	107.28	102.99
102	102-1160-C	3/4 X 3/32 X .015 RADS CARBIDE KEY CUTTER	127.79	122.68	117.76	113.06
102	102-1170	3/4 X 1/8 X .005 RADS CARBIDE KEY CUTTER	116.41	111.75	107.28	102.99
102	102-1170-C	3/4 X 1/8 X .005 RADS CARBIDE KEY CUTTER	127.79	122.68	117.76	113.06
102	102-1180	3/4 X 1/8 X .010 RADS CARBIDE KEY CUTTER	116.41	111.75	107.28	102.99
102	102-1180-C	3/4 X 1/8 X .010 RADS CARBIDE KEY CUTTER	127.79	122.68	117.76	113.06
102	102-1190	3/4 X 1/8 X .015 RADS CARBIDE KEY CUTTER	116.41	111.75	107.28	102.99
102	102-1190-C	3/4 X 1/8 X .015 RADS CARBIDE KEY CUTTER	127.79	122.68	117.76	113.06
102	102-1200	3/4 X 1/8 X .030 RADS CARBIDE KEY CUTTER	116.41	111.75	107.28	102.99
102	102-1200-C	3/4 X 1/8 X .030 RADS CARBIDE KEY CUTTER	127.79	122.68	117.76	113.06
102	102-1210	1 X 1/16 X .005 RADS CARBIDE KEY CUTTER	132.98	127.66	122.56	117.66
102	102-1210-C	1 X 1/16 X .005 RADS CARBIDE KEY CUTTER	147.58	141.65	135.98	130.54
102	102-1220	1 X 1/16 X .010 RADS CARBIDE KEY CUTTER	132.98	127.66	122.56	117.66
102	102-1220-C	1 X 1/16 X .010 RADS CARBIDE KEY CUTTER	147.58	141.65	135.98	130.54
102	102-1230	1 X 1/16 X .015 RADS CARBIDE KEY CUTTER	132.98	127.66	122.56	117.66
102	102-1230-C	1 X 1/16 X .015 RADS CARBIDE KEY CUTTER	147.58	141.65	135.98	130.54
102	102-1240	1 X 3/32 X .005 RADS CARBIDE KEY CUTTER	132.98	127.66	122.56	117.66
102	102-1240-C	1 X 3/32 X .005 RADS CARBIDE KEY CUTTER	147.58	141.65	135.98	130.54
102	102-1250	1 X 3/32 X .010 RADS CARBIDE KEY CUTTER	132.98	127.66	122.56	117.66
102	102-1250-C	1 X 3/32 X .010 RADS CARBIDE KEY CUTTER	147.58	141.65	135.98	130.54
102	102-1260	1 X 3/32 X .015 RADS CARBIDE KEY CUTTER	132.98	127.66	122.56	117.66
102	102-1260-C	1 X 3/32 X .015 RADS CARBIDE KEY CUTTER	147.58	141.65	135.98	130.54
102	102-1270	1 X 1/8 X .005 RADS CARBIDE KEY CUTTER	132.98	127.66	122.56	117.66
102	102-1270-C	1 X 1/8 X .005 RADS CARBIDE KEY CUTTER	147.58	141.65	135.98	130.54
102	102-1280	1 X 1/8 X .010 RADS CARBIDE KEY CUTTER	132.98	127.66	122.56	117.66
102	102-1280-C	1 X 1/8 X .010 RADS CARBIDE KEY CUTTER	147.58	141.65	135.98	130.54
102	102-1290	1 X 1/8 X .015 RADS CARBIDE KEY CUTTER	132.98	127.66	122.56	117.66

102	102-1290-C	1 X 1/8 X .015 RADS CARBIDE KEY CUTTER	147.58	141.65	135.98	130.54
102	102-1300	1 X 1/8 X .030 RADS CARBIDE KEY CUTTER	132.98	127.66	122.56	117.66
102	102-1300-C	1 X 1/8 X .030 RADS CARBIDE KEY CUTTER	147.58	141.65	135.98	130.54
102	102-1310	1-1/4 X 1/16 X .005 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1310-C	1-1/4 X 1/16 X .005 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1320	1-1/4 X 1/16 X .010 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1320-C	1-1/4 X 1/16 X .010 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1330	1-1/4 X 1/16 X .015 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1330-C	1-1/4 X 1/16 X .015 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1340	1-1/4 X 3/32 X .005 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1340-C	1-1/4 X 3/32 X .005 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1350	1-1/4 X 3/32 X .010 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1350-C	1-1/4 X 3/32 X .010 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1360	1-1/4 X 3/32 X .015 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1360-C	1-1/4 X 3/32 X .015 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1370	1-1/4 X 1/8 X .005 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1370-C	1-1/4 X 1/8 X .005 RADS CARBIDE KEY CUTTER	188.53	180.95	173.75	166.79
102	102-1380	1-1/4 X 1/8 X .010 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1380-C	1-1/4 X 1/8 X .010 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1390	1-1/4 X 1/8 X .015 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1390-C	1-1/4 X 1/8 X .015 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1400	1-1/4 X 1/8 X .030 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1400-C	1-1/4 X 1/8 X .030 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1410	1-1/4 X 1/4 X .005 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1410-C	1-1/4 X 1/4 X .005 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1420	1-1/4 X 1/4 X .010 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1420-C	1-1/4 X 1/4 X .010 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1430	1-1/4 X 1/4 X .015 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1430-C	1-1/4 X 1/4 X .015 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
102	102-1440	1-1/4 X 1/4 X .030 RADS CARBIDE KEY CUTTER	168.97	162.21	155.72	149.49
102	102-1440-C	1-1/4 X 1/4 X .030 RADS CARBIDE KEY CUTTER	188.53	180.98	173.75	166.79
103	103-1000	1/2 X .0625 #204 STAGGER CARBIDE HEAD KEY CUTTER	74.00	71.05	68.21	65.47
103	103-1000-C	1/2 X .0625 #204 STAGGER CARBIDE HEAD KEY CUTTER	81.29	78.04	74.92	71.93
103	103-1010	1/2 X .0938 #304 STAGGER CARBIDE HEAD KEY CUTTER	74.00	71.05	68.21	65.47
103	103-1010-C	1/2 X .0938 #304 STAGGER CARBIDE HEAD KEY CUTTER	81.29	78.04	74.92	71.93
103	103-1020	1/2 X .125 #404 STAGGER CARBIDE HEAD KEY CUTTER	74.00	71.05	68.21	65.47
103	103-1020-C	1/2 X .125 #404 STAGGER CARBIDE HEAD KEY CUTTER	81.29	78.04	74.92	71.93
103	103-1030	5/8 X .0938 #305 STAGGER CARBIDE HEAD KEY CUTT	103.05	98.93	94.98	91.18

103	103-1030-C	5/8 X .0938 #305 STAGGER CARBIDE HEAD KEY CUTT	112.84	108.33	104.00	99.83
103	103-1040	5/8 X .125 #405 STAGGER CARBIDE HEAD KEY CUTTER	103.05	98.93	94.98	91.18
103	103-1040-C	5/8 X .125 #405 STAGGER CARBIDE HEAD KEY CUTT	112.84	108.33	104.00	99.83
103	103-1050	5/8 X .1562 #505 STAGGER CARBIDE HEAD KEY CUTT	103.05	98.93	94.98	91.18
103	103-1050-C	5/8 X .1562 #505 STAGGER CARBIDE HEAD KEY CUTT	112.84	108.33	104.00	99.83
103	103-1060	5/8 X .1875 #605 STAGGER CARBIDE HEAD KEY CUTTER	103.65	98.93	94.98	91.18
103	103-1060-C	5/8 X .1875 #605 STAGGER CARBIDE HEAD KEY CUTTER	112.84	108.33	104.00	99.83
103	103-1070	5/8 X .250 STAGGER CARBIDE HEAD KEY CUT	103.05	98.93	94.98	91.18
103	103-1070-C	5/8 X .250 STAGGER CARBIDE HEAD KEY CUT	112.84	108.33	104.00	99.83
103	103-1080	3/4 X .125 #406 STAGGER CARBIDE HEAD KEY CUTTER	120.74	115.92	111.28	106.83
103	103-1080-C	3/4 X .125 #406 STAGGER CARBIDE HEAD KEY CUTTER	132.12	126.83	121.76	116.89
103	103-1090	3/4 X .1562 #506 STAGGER CARBIDE HEAD KEY CUTT	120.74	115.92	111.28	106.83
103	103-1090-C	3/4 X .1562 #506 STAGGER CARBIDE HEAD KEY CUTT	132.12	126.83	121.76	116.89
103	103-1100	3/4 X .1875 #606 STAGGER CARBIDE HEAD KEY CUTTER	120.74	115.92	111.28	106.83
103	103-1100-C	3/4 X .1875 #606 STAGGER CARBIDE HEAD KEY CUTT	132.12	126.83	121.76	116.89
103	103-1110	3/4 X .250 #806 STAGGER CARBIDE HEAD KEY CUTTER	120.74	115.92	111.28	106.83
103	103-1110-C	3/4 X .250 #806 STAGGER CARBIDE HEAD KEY CUTTE	132.12	126.83	121.76	116.89
103	103-1120	3/4 X .3125 STAGGER CARBIDE HEAD KEY CUTTER	120.74	115.92	111.28	106.83
103	103-1120-C	3/4 X .3125 STAGGER CARBIDE HEAD KEY CUTTE	132.12	126.83	121.76	116.89
103	103-1130	7/8 X .125 STAGGER CARBIDE HEAD KEY CUTTER	129.10	123.94	118.98	114.23
103	103-1130-C	7/8 X .125 STAGGER CARBIDE HEAD KEY CUTTER	143.67	137.93	132.41	127.11
103	103-1140	7/8 X .1562 #507 STAGGER CARBIDE HEAD KEY CUT	129.10	123.94	118.98	114.23
103	103-1140-C	7/8 X .1562 #507 STAGGER CARBIDE HEAD KEY CUT	143.67	137.93	132.41	127.11
103	103-1150	7/8 X .1875 #607 STAGGER CARBIDE HEAD KEY CUTT	129.10	123.94	118.98	114.23
103	103-1150-C	7/8 X .1875 #607 STAGGER CARBIDE HEAD KEY CUTT	143.67	137.93	132.41	127.11
103	103-1160	7/8 X .2188 #707 STAGGER CARBIDE HEAD KEY CUTTER	129.10	123.94	118.98	114.23
103	103-1160-C	7/8 X .2188 #707 STAGGER CARBIDE HEAD KEY CUTTER	143.67	137.93	132.41	127.11
103	103-1170	7/8 X .250 #807 STAGGER CARBIDE HEAD KEY CUTTE	129.10	123.94	118.98	114.23
103	103-1170-C	7/8 X .250 #807 STAGGER CARBIDE HEAD KEY CUTTE	143.67	137.93	132.41	127.11
103	103-1180	7/8 X .3125 STAGGER CARBIDE HEAD KEY CUTTER	129.10	123.94	118.98	114.23
103	103-1180-C	7/8 X .3125 STAGGER CARBIDE HEAD KEY CUTTE	143.67	137.93	132.41	127.11
103	103-1190	7/8 X .375 STAGGER CARBIDE HEAD KEY CUTTE	129.10	123.94	118.98	114.23
103	103-1190-C	7/8 X .375 STAGGER CARBIDE HEAD KEY CUTTE	143.67	137.93	132.41	127.11
103	103-1200	1 X .125 STAGGER CARBIDE HEAD KEY CUTTER	144.90	139.09	133.53	128.20
103	103-1200-C	1 X .125 STAGGER CARBIDE HEAD KEY CUTTER	159.47	153.09	146.97	141.08
103	103-1210	1 X .1875 #608 STAGGER CARBIDE HEAD KEY CUTTE	144.90	139.09	133.53	128.20
103	103-1210-C	1 X .1875 #608 STAGGER CARBIDE HEAD KEY CUTTE	159.47	153.09	146.97	141.08
103	103-1220	1 X .2188 #708 STAGGER CARBIDE HEAD KEY CUTTE	144.90	139.09	133.53	128.20

103	103-1220-C	1 X .2188 #708 STAGGER CARBIDE HEAD KEY CUTTE	159.47	153.09	146.97	141.08
103	103-1230	1 X .250 #808 STAGGER CARBIDE HEAD KEY CUTTER	144.90	139.09	133.53	128.20
103	103-1230-C	1 X .250 #808 STAGGER CARBIDE HEAD KEY CUTTER	159.47	153.09	146.97	141.08
103	103-1240	1 X .3125 #1008 STAGGER CARBIDE HEAD KEY CUT	144.90	139.09	133.53	128.20
103	103-1240-C	1 X .3125 #1008 STAGGER CARBIDE HEAD KEY CUT	159.47	153.09	146.97	141.08
103	103-1250	1 X .375 #1208 STAGGER CARBIDE HEAD KEY CUTTER	144.90	139.09	133.53	128.20
103	103-1250-C	1 X .375 #1208 STAGGER CARBIDE HEAD KEY CUT	159.47	153.09	146.97	141.08
103	103-1260	1-1/8 X .125 STAGGER CARBIDE HEAD KEY CUTTER	151.73	145.67	139.84	134.25
103	103-1260-C	1-1/8 X .125 STAGGER CARBIDE HEAD KEY CUTTER	171.29	164.44	157.86	151.55
103	103-1270	1-1/8 X .1875 #609 STAGGER CARBIDE HEAD KEY CUTTER	151.73	145.67	139.84	134.25
103	103-1270-C	1-1/8 X .1875 #609 STAGGER CARBIDE HEAD KEY CUTTER	171.29	164.44	157.86	151.55
103	103-1280	1-1/8 X .250 STAGGER CARBIDE HEAD KEY CUTTER	151.73	145.67	139.84	134.25
103	103-1280-C	1-1/8 X .250 STAGGER CARBIDE HEAD KEY CUTTER	171.29	164.44	157.86	151.55
103	103-1290	1-1/8 X .3125 STAGGER CARBIDE HEAD KEY CUTTER	151.73	145.67	139.84	134.25
103	103-1290-C	1-1/8 X .3125 STAGGER CARBIDE HEAD KEY CUTTER	171.29	164.44	157.86	151.55
103	103-1300	1-1/8 X .375 STAGGER CARBIDE HEAD KEY CUTTER	151.73	145.67	139.84	134.25
103	103-1300-C	1-1/8 X .375 STAGGER CARBIDE HEAD KEY CUTTER	171.29	164.44	157.86	151.55
103	103-1310	1-1/4 X .125 STAGGER CARBIDE HEAD KEY CU	177.87	170.75	163.92	157.36
103	103-1310-C	1-1/4 X .125 STAGGER CARBIDE HEAD KEY CU	197.44	189.54	181.95	174.68
103	103-1320	1-1/4 X .1875 #610 STAGGER CARBIDE HEAD KEY CUTTER	177.87	170.75	163.92	157.36
103	103-1320-C	1-1/4 X .1875 #610 STAGGER CARBIDE HEAD KEY CU	197.44	189.54	181.95	174.68
103	103-1330	1-1/4 X .2188 #710 STAGGER CARBIDE HEAD KEY CUTTER	177.87	170.75	163.92	157.36
103	103-1330-C	1-1/4 X .2188 #710 STAGGER CARBIDE HEAD KEY CU	197.44	189.54	181.95	174.68
103	103-1340	1-1/4 X .250 #810 STAGGER CARBIDE HEAD KEY CU	177.87	170.75	163.92	157.36
103	103-1340-C	1-1/4 X .250 #810 STAGGER CARBIDE HEAD KEY CU	197.44	189.54	181.95	174.68
103	103-1350	1-1/4 X .3125 #1010 STAGGER CARBIDE HEAD KEY CU	177.87	170.75	163.92	157.36
103	103-1350-C	1-1/4 X .3125 #1010 STAGGER CARBIDE HEAD KEY CU	197.44	189.54	181.95	174.68
103	103-1360	1-1/4 X .375 #1210 STAGGER CARBIDE HEAD KEY CU	177.87	170.75	163.92	157.36
103	103-1360-C	1-1/4 X .375 #1210 STAGGER CARBIDE HEAD KEY CU	197.44	189.54	181.95	174.68
103	103-1370	1-3/8 X .125 STAGGER CARBIDE KEY CUTTER	202.32	194.22	186.46	179.00
103	103-1370-C	1-3/8 X .125 STAGGER CARBIDE KEY CUTTER	233.02	223.70	214.75	206.16
103	103-1380	1-3/8 X .1875 STAGGER CARBIDE KEY CUTTER	202.32	194.22	186.46	179.00
103	103-1380-C	1-3/8 X .1875 STAGGER CARBIDE KEY CUTTER	233.02	223.70	214.75	206.16
103	103-1390	1-3/8 X .250 #811 STAGGER CARBIDE KEY CUTTER	202.32	194.22	186.46	179.00
103	103-1390-C	1-3/8 X .250 #811 STAGGER CARBIDE KEY CUTTER	233.02	223.70	214.75	206.16
103	103-1400	1-3/8 X .3125 #1011 STAGGER CARBIDE KEY CUTTER	202.32	194.22	186.46	179.00
103	103-1400-C	1-3/8 X .3125 #1011 STAGGER CARBIDE KEY CUTTER	233.02	223.70	214.75	206.16
103	103-1410	1-3/8 X .375 #1211 STAGGER CARBIDE KEY CUTTER	202.32	194.22	186.46	179.00

103	103-1410-C	1-3/8 X .375 #1211 STAGGER CARBIDE KEY CUTTER	233.02	223.70	214.75	206.16
103	103-1420	1-1/2 X .250 #812 STAGGER CARBIDE KEY CUTTER	220.97	212.12	203.64	195.50
103	103-1420-C	1-1/2 X .250 #812 STAGGER CARBIDE KEY CUTTER	251.67	241.60	231.94	222.69
103	103-1430	1-1/2 X .3125 #1012 STAGGER CARBIDE KEY CUTTER	220.97	212.12	203.64	195.50
103	103-1430-C	1-1/2 X .3125 #1012 STAGGER CARBIDE KEY CUTTER	251.67	241.60	231.94	222.69
103	103-1440	1-1/2 X .375 #1212 STAGGER CARBIDE KEY CUTTER	220.97	212.12	203.64	195.50
103	103-1440-C	1-1/2 X .375 #1212 STAGGER CARBIDE KEY CUTTER	251.67	241.60	231.94	222.69
106	106-1000	1/2 X .250 PUSH-PULL CUTTER	81.37	78.11	74.99	71.99
106	106-1000-C	1/2 X .250 PUSH-PULL CUTTER	90.26	86.65	83.19	79.85
106	106-1020	1/2 X .375 PUSH-PULL CUTTER	81.37	78.11	74.99	71.99
106	106-1020-C	1/2 X .375 PUSH-PULL CUTTER	90.26	86.65	83.19	79.85
106	106-1040	1/2 X .500 PUSH-PULL CUTTER	103.05	98.93	94.98	91.18
106	106-1040-C	1/2 X .500 PUSH-PULL CUTTER	111.95	107.50	103.17	99.04
106	106-1060	1/2 X .625 PUSH-PULL CUTTER	103.05	98.93	94.98	91.18
106	106-1060-C	1/2 X .625 PUSH-PULL CUTTER	111.95	107.47	103.17	99.04
106	106-1080	1/2 X .750 PUSH-PULL CUTTER	120.74	115.92	111.28	106.83
106	106-1080-C	1/2 X .750 PUSH-PULL CUTTER	129.63	124.45	119.46	114.69
106	106-1100	5/8 X .250 PUSH-PULL CUTTER	120.74	115.92	111.28	106.83
106	106-1100-C	5/8 X .250 PUSH-PULL CUTTER	129.63	124.45	119.46	114.69
106	106-1120	5/8 X .375 PUSH-PULL CUTTER	120.74	115.92	111.28	106.83
106	106-1120-C	5/8 X .375 PUSH-PULL CUTTER	130.53	125.30	120.30	115.48
106	106-1140	5/8 X .500 PUSH-PULL CUTTER	129.10	123.94	118.98	114.23
106	106-1140-C	5/8 X .500 PUSH-PULL CUTTER	138.89	133.44	128.00	122.88
106	106-1160	5/8 X .625 PUSH-PULL CUTTER	129.10	123.94	118.98	114.23
106	106-1160-C	5/8 X .625 PUSH-PULL CUTTER	138.89	133.33	128.00	122.88
106	106-1180	5/8 X .750 PUSH-PULL CUTTER	129.10	123.94	118.98	114.23
106	106-1180-C	5/8 X .750 PUSH-PULL CUTTER	138.89	133.33	128.00	122.88
106	106-1200	3/4 X .250 PUSH-PULL CUTTER	144.90	139.09	133.53	128.20
106	106-1200-C	3/4 X .250 PUSH-PULL CUTTER	156.28	150.03	144.03	138.26
106	106-1220	3/4 X .375 PUSH-PULL CUTTER	144.90	139.09	133.53	128.20
106	106-1220-C	3/4 X .375 PUSH-PULL CUTTER	156.28	150.03	144.03	138.26
106	106-1240	3/4 X .500 PUSH-PULL CUTTER	144.90	139.09	133.53	128.20
106	106-1240-C	3/4 X .500 PUSH-PULL CUTTER	156.28	150.03	144.03	138.26
106	106-1260	3/4 X .625 PUSH-PULL CUTTER	151.73	145.67	139.84	134.25
106	106-1260-C	3/4 X .625 PUSH-PULL CUTTER	156.28	150.03	144.03	138.26
106	106-1280	3/4 X .750 PUSH-PULL CUTTER	151.73	145.67	139.84	134.25
106	106-1280-C	3/4 X .750 PUSH-PULL CUTTER	156.28	150.03	144.03	138.26
106	106-1300	1 X .250 PUSH-PULL CUTTER	200.11	192.09	184.42	177.04

106	106-1300-C	1 X .250 PUSH-PULL CUTTER	214.68	206.09	197.84	189.93
106	106-1320	1 X .375 PUSH-PULL CUTTER	200.11	192.09	184.42	177.04
106	106-1320-C	1 X .375 PUSH-PULL CUTTER	214.68	206.09	197.84	189.93
106	106-1340	1 X .500 PUSH-PULL CUTTER	200.11	192.09	184.42	177.04
106	106-1340-C	1 X .500 PUSH-PULL CUTTER	214.68	206.09	197.84	189.93
106	106-1360	1 X .625 PUSH-PULL CUTTER	200.11	192.09	184.42	177.04
106	106-1360-C	1 X .625 PUSH-PULL CUTTER	214.68	206.09	197.84	189.93
106	106-1380	1 X .750 PUSH-PULL CUTTER	200.11	192.09	184.42	177.04
106	106-1380-C	1 X .750 PUSH-PULL CUTTER	214.68	206.09	197.84	189.93
106	106-1400	1 X 1.000 PUSH-PULL CUTTER	200.11	192.09	184.42	177.04
106	106-1400-C	1 X 1.000 PUSH-PULL CUTTER	214.68	206.09	197.84	189.93
107	107-1000	1/2 X .0312 FINE TOOTH KEY CUTTER	68.42	65.67	63.06	60.54
107	107-1000-C	1/2 X .0312 FINE TOTH KEY CUTTER	77.31	74.22	71.24	68.40
107	107-1010	1/2 X .0625 FINE TOOTH KEY CUTTER	68.42	65.67	63.06	60.54
107	107-1010-C	1/2 X .0625 FINE TOOTH KEY CUTTER	77.31	74.22	71.24	68.40
107	107-1020	1/2 X .0938 FINE TOOTH KEY CUTTER	68.42	65.67	63.06	60.54
107	107-1020-C	1/2 X .0938 FINE TOOTH KEY CUTTER	77.31	74.22	71.24	68.40
107	107-1030	1/2 X .1250 FINE TOOTH KEY CUTTER	68.42	65.67	63.06	60.54
107	107-1030-C	1/2 X .1250 FINE TOOTH KEY CUTTER	77.31	74.22	71.24	68.40
107	107-1040	5/8 X .0312 FINE TOOTH KEY CUTTER	90.17	86.56	83.10	79.78
107	107-1040-C	5/8 X .0312 FINE TOOTH KEY CUTTER	99.96	95.96	92.12	88.44
107	107-1050	5/8 X .0625 FINE TOOTH KEY CUTTER	90.17	86.56	83.10	79.78
107	107-1050-C	5/8 X .0625 FINE TOOTH KEY CUTTER	99.96	95.96	92.12	88.44
107	107-1060	5/8 X .0938 FINE TOOTH KEY CUTTER	90.17	86.56	83.10	79.78
107	107-1060-C	5/8 X .0938 FINE TOOTH KEY CUTTER	99.96	95.96	92.12	88.44
107	107-1070	5/8 X .1250 FINE TOOTH KEY CUTTER	90.17	86.56	83.10	79.78
107	107-1070-C	5/8 X .1250 FINE TOOTH KEY CUTTER	99.96	95.96	92.12	88.44
107	107-1080	3/4 X .0312 FINE TOOTH KEY CUTTER	110.30	105.90	101.66	97.59
107	107-1080-C	3/4 X .0312 FINE TOOTH KEY CUTTER	121.68	116.81	112.14	107.65
107	107-1090	3/4 X .0625 FINE TOOTH KEY CUTTER	110.30	105.90	101.66	97.59
107	107-1090-C	3/4 X .0625 FINE TOOTH KEY CUTTER	121.68	116.81	112.14	107.65
107	107-1100	3/4 X .0938 FINE TOOTH KEY CUTTER	110.30	105.90	101.66	97.59
107	107-1100-C	3/4 X .0938 FINE TOOTH KEY CUTTER	121.68	116.81	112.14	107.65
107	107-1110	3/4 X .1250 FINE TOOTH KEY CUTTER	110.30	105.90	101.66	97.59
107	107-1110-C	3/4 X .1250 FINE TOOTH KEY CUTTER	121.68	116.81	112.14	107.65
107	107-1120	3/4 X .1875 FINE TOOTH KEY CUTTER	110.30	105.90	101.66	97.59
107	107-1120-C	3/4 X .1875 FINE TOOTH KEY CUTTER	121.68	116.81	112.14	107.65
107	107-1130	3/4 X .2500 FINE TOOTH KEY CUTTER	110.30	105.90	101.66	97.59

107	107-1130-C	3/4 X .2500 FINE TOOTH KEY CUTTER	121.68	116.81	112.14	107.65
107	107-1140	7/8 X .0625 FINE TOOTH KEY CUTTER	112.96	108.44	104.43	99.95
107	107-1140-C	7/8 X .0625 FINE TOOTH KEY CUTTER	127.53	122.43	117.53	112.83
107	107-1150	7/8 X .0938 FINE TOOTH KEY CUTTER	112.96	108.44	104.43	99.95
107	107-1150-C	7/8 X .0938 FINE TOOTH KEY CUTTER	127.53	122.43	117.53	112.83
107	107-1160	7/8 X .1250 FINE TOOTH KEY CUTTER	112.96	108.44	104.43	99.95
107	107-1160-C	7/8 X .1250 FINE TOOTH KEY CUTTER	127.53	122.43	117.53	112.83
107	107-1170	7/8 X .1875 FINE TOOTH KEY CUTTER	112.96	108.44	104.43	99.95
107	107-1170-C	7/8 X .1875 FINE TOOTH KEY CUTTER	127.53	122.43	117.53	112.83
107	107-1180	1 X .0312 FINE TOOTH KEY CUTTER	124.38	119.42	114.64	110.05
107	107-1180-C	1 X .0312 FINE TOOTH KEY CUTTER	138.95	133.39	128.05	122.93
107	107-1190	1 X .0625 FINE TOOTH KEY CUTTER	124.38	119.42	114.64	110.05
107	107-1190-C	1 X .0625 FINE TOOTH KEY CUTTER	138.95	133.39	128.05	122.93
107	107-1200	1 X .0938 FINE TOOTH KEY CUTTER	124.38	119.42	114.64	110.05
107	107-1200-C	1 X .0938 FINE TOOTH KEY CUTTER	138.95	133.39	128.05	122.93
107	107-1210	1 X .1250 FINE TOOTH KEY CUTTER	124.38	119.42	114.64	110.05
107	107-1210-C	1 X .1250 FINE TOOTH KEY CUTTER	138.95	133.39	128.05	122.93
107	107-1220	1 X .1875 FINE TOOTH KEY CUTTER	124.38	119.42	114.64	110.05
107	107-1220-C	1 X .1875 FINE TOOTH KEY CUTTER	138.95	133.39	128.05	122.93
107	107-1230	1 X .2500 FINE TOOTH KEY CUTTER	124.38	119.42	114.64	110.05
107	107-1230-C	1 X .2500 FINE TOOTH KEY CUTTER	138.95	133.39	128.05	122.93
107	107-1240	1-1/8 X .0625 FINE TOOTH KEY CUTTER	138.53	133.00	127.68	122.57
107	107-1240-C	1-1/8 X .0625 FINE TOOTH KEY CUTTER	158.10	151.77	145.70	139.87
107	107-1250	1-1/8 X .0938 FINE TOOTH KEY CUTTER	138.53	133.00	127.68	122.57
107	107-1250-C	1-1/8 X .0938 FINE TOOTH KEY CUTTER	158.10	151.77	145.70	139.87
107	107-1260	1-1/8 X .1250 FINE TOOTH KEY CUTTER	138.53	133.00	127.68	122.57
107	107-1260-C	1-1/8 X .1250 FINE TOOTH KEY CUTTER	158.10	151.77	145.70	139.87
107	107-1270	1-1/8 X .1875 FINE TOOTH KEY CUTTER	138.53	133.00	127.68	122.57
107	107-1270-C	1-1/8 X .1875 FINE TOOTH KEY CUTTER	158.10	151.77	145.70	139.87
107	107-1280	1-1/4 X .0625 FINE TOOTH KEY CUTTER	154.82	148.63	142.68	136.97
107	107-1280-C	1-1/4 X .0625 FINE TOOTH KEY CUTTER	174.39	167.41	160.71	154.29
107	107-1290	1-1/4 X .0938 FINE TOOTH KEY CUTTER	154.82	148.63	142.68	136.97
107	107-1290-C	1-1/4 X .0938 FINE TOOTH KEY CUTTER	174.39	167.41	160.71	154.29
107	107-1300	1-1/4 X .1250 FINE TOOTH KEY CUTTER	154.82	148.63	142.68	136.97
107	107-1300-C	1-1/4 X .1250 FINE TOOTH KEY CUTTER	174.39	167.41	160.71	154.29
107	107-1310	1-1/4 X .1562 FINE TOOTH KEY CUTTER	154.82	148.63	142.68	136.97
107	107-1310-C	1-1/4 X .1562 FINE TOOTH KEY CUTTER	174.39	167.41	160.71	154.29
107	107-1320	1-1/4 X .1875 FINE TOOTH KEY CUTTER	154.82	148.63	142.68	136.97

107	107-1320-C	1-1/4 X .1875 FINE TOOTH KEY CUTTER	174.39	167.41	160.71	154.29
107	107-1330	1-1/4 X .2500 FINE TOOTH KEY CUTTER	154.82	148.63	142.68	136.97
107	107-1330-C	1-1/4 X .2500 FINE TOOTH KEY CUTTER	174.39	167.41	160.71	154.29
107	107-1340	1-1/2 X .0625 FINE TOOTH KEY CUTTER	185.09	177.70	170.59	163.77
107	107-1340-C	1-1/2 X .0625 FINE TOOTH KEY CUTTER	215.79	207.15	198.87	190.91
107	107-1350	1-1/2 X .0938 FINE TOOTH KEY CUTTER	185.09	177.70	170.59	163.77
107	107-1350-C	1-1/2 X .0938 FINE TOOTH KEY CUTTER	215.79	207.15	198.87	190.91
107	107-1360	1-1/2 X .1250 FINE TOOTH KEY CUTTER	185.09	177.70	170.59	163.77
107	107-1360-C	1-1/2 X .1250 FINE TOOTH KEY CUTTER	215.79	207.15	198.87	190.91
107	107-1370	1-1/2 X .1562 FINE TOOTH KEY CUTTER	185.09	177.70	170.59	163.77
107	107-1370-C	1-1/2 X .1562 FINE TOOTH KEY CUTTER	215.79	207.15	198.87	190.91
107	107-1380	1-1/2 X .1875 FINE TOOTH KEY CUTTER	185.09	177.70	170.59	163.77
107	107-1380-C	1-1/2 X .1875 FINE TOOTH KEY CUTTER	215.79	207.15	198.87	190.91
108	108-1000	.120 X .250 CBN BORING BAR	151.18	150.12	149.07	148.02
108	108-1050	.120 X .500 CBN BORING BAR	151.18	150.12	149.07	148.02
108	108-1100	.120 X .800 CBN BORING BAR	151.18	150.12	149.07	148.02
108	108-1150	.180 X .500 CBN TIPPED BORING BAR	156.95	155.85	154.76	153.67
108	108-1200	.180 X .750 CBN TIPPED BORING BAR	156.95	155.85	154.76	153.67
108	108-1250	.180 X 1.250 CBN TIPPED BORING BAR	156.95	155.85	154.76	153.67
108	108-1300	.240 X .500 CBN TIPPED BORING BAR	162.73	161.59	160.46	159.33
108	108-1350	.240 X .750 CBN TIPPED BORING BAR	162.73	161.59	160.46	159.33
108	108-1400	.240 X 1.250 CBN TIPPED BORING BAR	162.73	161.59	160.46	159.33
108	108-1450	.370 X .500 CBN TIPPED BORING BAR	183.49	182.21	180.93	179.66
108	108-1500	.370 X .750 CBN TIPPED BORING BAR	183.49	182.21	180.93	179.66
108	108-1550	.370 X 1.250 CBN TIPPED BORING BAR	183.49	182.21	180.93	179.66
108	108-1600	.490 X .750 CBN TIPPED BORING BAR	209.94	208.47	207.01	205.56
108	108-1650	.490 X 1.000 CBN TIPPED BORING BAR	209.94	208.47	207.01	205.56
108	108-1700	.490 X 1.500 CBN TIPPED BORING BAR	209.94	208.47	207.01	205.56
108	108-5000	.120 X .250 PCD BORING BAR	151.18	150.12	149.07	148.02
108	108-5050	.120 X .500 PCD BORING BAR	151.18	150.12	149.07	148.02
108	108-5100	.120 X .800 PCD BORING BAR	151.18	150.12	149.07	148.02
108	108-5150	.180 X .500 PCD TIPPED BORING BAR	156.95	155.85	154.76	153.67
108	108-5200	.180 X .750 PCD TIPPED BORING BAR	156.95	155.85	154.76	153.67
108	108-5250	.180 X 1.250 PCD TIPPED BORING BAR	156.95	155.85	154.76	153.67
108	108-5300	.240 X .500 PCD TIPPED BORING BAR	162.73	161.59	160.46	159.33
108	108-5350	.240 X .750 PCD TIPPED BORING BAR	162.73	161.59	160.46	159.33
108	108-5400	.240 X 1.250 PCD TIPPED BORING BAR	162.73	161.59	160.46	159.33
108	108-5450	.370 X .500 PCD TIPPED BORING BAR	183.49	182.21	180.93	179.66

108	108-5500	.370 X .750 PCD TIPPED BORING BAR	183.49	182.21	180.93	179.66
108	108-5550	.370 X 1.250 PCD TIPPED BORING BAR	183.49	182.21	180.93	179.66
108	108-5600	.490 X .750 PCD TIPPED BORING BAR	209.94	208.47	207.01	205.56
108	108-5650	.490 X 1.000 PCD TIPPED BORING BAR	209.94	208.47	207.01	205.56
108	108-5700	.490 X 1.500 PCD TIPPED BORING BAR	209.94	208.47	207.01	205.56
112	112-1000	1/4 x 3/4 ROUGHING ENDIMILL	38.92	37.36	35.87	34.43
112	112-1005	1/4 x 1-1/8 ROUGHING ENDIMILL	48.85	46.89	45.02	43.22
112	112-1010	5/16 x 13/16 ROUGHING ENDIMILL	45.41	43.59	41.84	40.17
112	112-1015	3/8 x 1 ROUGHING ENDIMILL	53.99	51.84	49.76	47.76
112	112-1020	3/8 x 1-1/4 ROUGHING ENDIMILL	68.09	65.36	62.74	60.23
112	112-1025	7/16 x 1 ROUGHING ENDIMILL	62.67	60.16	57.75	55.44
112	112-1030	7/16 x 2 ROUGHING ENDIMILL	91.09	87.45	83.95	80.59
112	112-1035	1/2 x 1-1/4 ROUGHING ENDIMILL	73.57	70.62	67.79	65.08
112	112-1040	1/2 x 1-1/2 ROUGHING ENDIMILL	107.04	102.75	98.64	94.69
112	112-1045	1/2 x 2 ROUGHING ENDIMILL	113.70	109.14	104.77	100.59
112	112-1050	5/8 x 1-5/8 ROUGHING ENDIMILL	145.82	139.98	134.39	129.01
112	112-1055	5/8 x 2-1/4 ROUGHING ENDIMILL	180.87	173.63	166.67	160.01
112	112-1060	3/4 x 1-5/8 ROUGHING ENDIMILL	196.88	189.00	181.43	174.25
112	112-1065	3/4 x 2-1/4 ROUGHING ENDIMILL	257.55	247.24	237.36	227.86
112	112-1070	1 X 2 ROUGHING ENDIMILL	324.30	311.32	298.87	286.92
112	112-1075	1 X 3 ROUGHING ENDIMILL	376.53	361.46	347.00	332.58
116	116-1000	3/16 X 3/8 BALL ENDMILL	30.26	29.05	27.88	26.77
116	116-1005	3/16 X 9/16 BALL ENDMILL	32.32	31.02	29.78	28.59
116	116-1010	.250 X 1/2 BALL ENDMILL	35.67	34.24	32.87	31.55
116	116-1015	1/4 X 3/4 BALL ENDMILL	37.73	36.21	34.76	33.37
116	116-1020	5/16 X 1/2 BALL ENDMILL	43.03	41.31	39.65	38.06
116	116-1025	5/16 X 13/16 BALL ENDMILL	45.59	43.76	42.01	40.33
116	116-1030	3/8 X 1/2 BALL ENDMILL	49.91	47.90	49.23	44.15
116	116-1035	3/8 X 7/8 BALL ENDMILL	52.59	50.48	48.54	46.52
116	116-1040	7/16 X 5/8 BALL ENDMILL	63.85	61.27	58.83	56.47
116	116-1045	7/16 X 1 BALL ENDMILL	63.85	61.27	58.83	56.47
116	116-1050	1/2 X 5/8 BALL ENDMILL	69.57	66.78	64.11	61.54
116	116-1055	1/2 X 1 BALL ENDMILL	70.50	67.68	64.96	62.37
116	116-1060	1/2 X 1-1/4 BALL ENDMILL	72.58	69.67	66.88	64.20
116	116-1065	1/2 X 1-1/2 BALL ENDMILL	93.27	89.53	85.94	82.52
116	116-1070	5/8 X 3/4 BALL ENDMILL	138.68	133.13	127.80	122.70
116	116-1075	5/8 X 1-1/4 BALL ENDMILL	147.23	141.33	135.68	130.26
116	116-1080	3/4 X 1 BALL ENDMILL	181.95	174.67	167.68	160.97

116	116-1085	3/4 X 1-1/2 BALL ENDMILL	203.54	195.39	187.57	180.06
116	116-1090	1 X 1-1/2 BALL ENDMILL	344.08	330.31	317.09	304.42
121	121-1000	1/4 X .030/.031 X 1/4 DEEP GROOVE TOOL	34.23	32.86	31.55	30.28
121	121-1000-C	1/4 X .030/.031 X 1/4 DEEP GROOVE TOOL	39.03	37.47	35.97	34.54
121	121-1005	1/4 X .030/.031 X 3/8 DEEP GROOVE TOOL	34.23	32.86	31.55	30.28
121	121-1005-C	1/4 X .030/.031 X 3/8 DEEP GROOVE TOOL	39.03	37.47	35.97	34.54
121	121-1010	1/4 X .030/.031 X 1/2 DEEP GROOVE TOOL	34.23	32.86	31.55	30.28
121	121-1010-C	1/4 X .030/.031 X 1/2 DEEP GROOVE TOOL	39.03	37.47	35.97	34.54
121	121-1015	1/4 X .062/.064 X 1/4 DEEP GROOVE TOOL	34.23	32.86	31.55	30.28
121	121-1015-C	1/4 X .062/.064 X 1/4 DEEP GROOVE TOOL	39.03	37.47	35.97	34.54
121	121-1020	1/4 X .062/.064 X 3/8 DEEP GROOVE TOOL	34.23	32.86	31.55	30.28
121	121-1020-C	1/4 X .062/.064 X 3/8 DEEP GROOVE TOOL	39.03	37.47	35.97	34.54
121	121-1025	1/4 X .062/.064 X 1/2 DEEP GROOVE TOOL	34.23	32.86	31.55	30.28
121	121-1025-C	1/4 X .062/.064 X 1/2 DEEP GROOVE TOOL	39.03	37.47	35.97	34.54
121	121-1030	5/16 X .030/.031 X 1/4 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1030-C	5/16 X .030/.031 X 1/4 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1035	5/16 X .030/.031 X 3/8 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1035-C	5/16 X .030/.031 X 3/8 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1040	5/16 X .030/.031 X 1/2 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1040-C	5/16 X .030/.031 X 1/2 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1045	5/16 X .030/.031 X 3/4 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1045-C	5/16 X .030/.031 X 3/4 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1050	5/16 X .030/.031 X 1 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1050-C	5/16 X .030/.031 X 1 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1055	5/16 X .062 / .064 X 1/4 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1055-C	5/16 X .062 / .064 X 1/4 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1060	5/16 X .062 / .064 X 3/8 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1060-C	5/16 X .062 / .064 X 3/8 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1065	5/16 X .062 / .064 X 1/2 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1065-C	5/16 X .062 / .064 X 1/2 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1070	5/16 X .062 / .064 X 3/4 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1070-C	5/16 X .062 / .064 X 3/4 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1075	5/16 X .062 / .064 X 1 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1075-C	5/16 X .062 / .064 X 1 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1080	5/16 X .093 / .095 X 3/8 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1080-C	5/16 X .093 / .095 X 3/8 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1085	5/16 X .093 / .095 X 1/2 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1085-C	5/16 X .093 / .095 X 1/2 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20

121	121-1090	5/16 X .093 / .095 X 3/4 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1090-C	5/16 X .093 / .095 X 3/4 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1095	5/16 X .093 / .095 X 1 DEEP GROOVE TOOL	42.76	41.05	39.40	37.82
121	121-1095-C	5/16 X .093 / .095 X 1 DEEP GROOVE TOOL	48.83	46.88	45.01	43.20
121	121-1100	3/8 X .030/.031 X 3/8 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1100-C	3/8 X .030/.031 X 3/8 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1105	3/8 X .030/.031 X 1/2 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1105-C	3/8 X .030/.031 X 1/2 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1110	3/8 X .030/.031 X 3/4 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1110-C	3/8 X .030/.031 X 3/4 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1115	3/8 X .030/.031 X 1 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1115-C	3/8 X .030/.031 X 1 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1120	3/8 X .046/.048 X 3/8 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1120-C	3/8 X .046/.048 X 3/8 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1125	3/8 X .046/.048 X 1/2 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1125-C	3/8 X .046/.048 X 1/2 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1130	3/8 X .046/.048 X 3/4 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1130-C	3/8 X .046/.048 X 3/4 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1135	3/8 X .046/.048 X 1 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1135-C	3/8 X .046/.048 X 1 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1140	3/8 X .062/.064 X 3/8 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1140-C	3/8 X .062/.064 X 3/8 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1145	3/8 X .062/.064 X 1/2 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1145-C	3/8 X .062/.064 X 1/2 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1150	3/8 X .062/.064 X 3/4 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1150-C	3/8 X .062/.064 X 3/4 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1155	3/8 X .062/.064 X 1 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1155-C	3/8 X .062/.064 X 1 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1160	3/8 X .093/.095 X 3/8 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1160-C	3/8 X .093/.095 X 3/8 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1165	3/8 X .093/.095 X 1/2 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1165-C	3/8 X .093/.095 X 1/2 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1170	3/8 X .093/.095 X 3/4 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1170-C	3/8 X .093/.095 X 3/4 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1175	3/8 X .093/.095 X 1 DEEP GROOVE TOOL	55.96	53.72	51.78	49.50
121	121-1175-C	3/8 X .093/.095 X 1 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1180	3/8 X .125/.127 X 3/8 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1180-C	3/8 X .125/.127 X 3/8 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73

121	121-1185	3/8 X .125/.127 X 1/2 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1185-C	3/8 X .125/.127 X 1/2 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1190	3/8 X .125/.127 X 3/4 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1190-C	3/8 X .125/.127 X 3/4 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1195	3/8 X .125/.127 X 1 DEEP GROOVE TOOL	55.96	53.72	51.57	49.50
121	121-1195-C	3/8 X .125/.127 X 1 DEEP GROOVE TOOL	63.00	60.48	58.06	55.73
121	121-1200	1/2 X .062/.064 X 1/2 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1200-C	1/2 X .062/.064 X 1/2 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1205	1/2 X .062/.064 X 3/4 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1205-C	1/2 X .062/.064 X 3/4 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1210	1/2 X .062/.064 X 1 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1210-C	1/2 X .062/.064 X 1 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1215	1/2 X .062/.064 X 1-1/4 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1215-C	1/2 X .062/.064 X 1-1/4 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1220	1/2 X .093/.095 X 1/2 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1220-C	1/2 X .093/.095 X 1/2 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1225	1/2 X .093/.095 X 3/4 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1225-C	1/2 X .093/.095 X 3/4 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1230	1/2 X .093/.095 X 1 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1230-C	1/2 X .093/.095 X 1 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1235	1/2 X .093/.095 X 1-1/4 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1235-C	1/2 X .093/.095 X 1-1/4 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1240	1/2 X .125/.127 X 1/2 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1240-C	1/2 X .125/.127 X 1/2 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1245	1/2 X .125/.127 X 3/4 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1245-C	1/2 X .125/.127 X 3/4 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1250	1/2 X .125/.127 X 1 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1250-C	1/2 X .125/.127 X 1 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1255	1/2 X .125/.127 X 1-1/4 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1255-C	1/2 X .125/.127 X 1-1/4 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1260	1/2 X .187/.189 X 1/2 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1260-C	1/2 X .187/.189 X 1/2 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1265	1/2 X .187/.189 X 3/4 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1265-C	1/2 X .187/.189 X 3/4 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1270	1/2 X .187/.189 X 1 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1270-C	1/2 X .187/.189 X 1 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
121	121-1275	1/2 X .187/.189 X 1-1/4 DEEP GROOVE TOOL	77.71	74.60	71.61	68.76
121	121-1275-C	1/2 X .187/.189 X 1-1/4 DEEP GROOVE TOOL	87.12	83.63	80.29	77.07

123	123-1000	1/4 X .030/.031 X 1/4 FULL RAD DEEP GROOVE TOOL	39.32	37.75	36.23	34.78
123	123-1000-C	1/4 X .030/.031 X 1/4 FULL RAD DEEP GROOVE TOOL	44.12	42.36	40.66	39.02
123	123-1005	1/4 X .030/.031 X 3/8 FULL RADIUS DEEP GROOVE TOOL	39.32	37.75	36.23	34.78
123	123-1005-C	1/4 X .030/.031 X 3/8 FULL RADIUS DEEP GROOVE TOOL	44.12	42.36	40.66	39.02
123	123-1010	1/4 X .030/.031 X 1/2 FULL RADIUS DEEP GROOVE TOOL	39.32	37.75	36.23	34.78
123	123-1010-C	1/4 X .030/.031 X 1/2 FULL RADIUS DEEP GROOVE TOOL	44.12	42.36	40.66	39.02
123	123-1015	1/4 X .062/.064 X 1/4 FULL RADIUS DEEP GROOVE TOOL	39.32	37.75	36.23	34.78
123	123-1015-C	1/4 X .062/.064 X 1/4 FULL RADIUS DEEP GROOVE TOOL	44.12	42.36	40.66	39.02
123	123-1020	1/4 X .062/.064 X 3/8 FULL RADIUS DEEP GROOVE TOOL	39.32	37.75	36.23	34.78
123	123-1020-C	1/4 X .062/.064 X 3/8 FULL RADIUS DEEP GROOVE TOOL	44.12	42.36	40.66	39.02
123	123-1025	1/4 X .062/.064 X 1/2 FULL RADIUS DEEP GROOVE TOOL	39.32	37.75	36.23	34.78
123	123-1025-C	1/4 X .062/.064 X 1/2 FULL RADIUS DEEP GROOVE TOOL	44.12	42.36	40.66	39.02
123	123-1030	5/16 X .030/.031 X 1/4 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1030-C	5/16 X .030/.031 X 1/4 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1035	5/16 X .030/.031 X 3/8 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1035-C	5/16 X .030/.031 X 3/8 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1040	5/16 X .030/.031 X 1/2 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1040-C	5/16 X .030/.031 X 1/2 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1045	5/16 X .030/.031 X 3/4 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1045-C	5/16 X .030/.031 X 3/4 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1050	5/16 X .030/.031 X 1 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1050-C	5/16 X .030/.031 X 1 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1055	5/16 X .062 / .064 X 1/4 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1055-C	5/16 X .062 / .064 X 1/4 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1060	5/16 X .062 / .064 X 3/8 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1060-C	5/16 X .062 / .064 X 3/8 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1065	5/16 X .062 / .064 X 1/2 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1065-C	5/16 X .062 / .064 X 1/2 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1070	5/16 X .062 / .064 X 3/4 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1070-C	5/16 X .062 / .064 X 3/4 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1075	5/16 X .062 / .064 X 1 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1075-C	5/16 X .062 / .064 X 1 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1080	5/16 X .093 / .095 X 3/8 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1080-C	5/16 X .093 / .095 X 3/8 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1085	5/16 X .093 / .095 X 1/2 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1085-C	5/16 X .093 / .095 X 1/2 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1090	5/16 X .093 / .095 X 3/4 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1090-C	5/16 X .093 / .095 X 3/4 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30

123	123-1095	5/16 X .093 / .095 X 1 FULL RADIUS DEEP GROOVE TOOL	49.65	47.67	45.75	43.92
123	123-1095-C	5/16 X .093 / .095 X 1 FULL RADIUS DEEP GROOVE TOOL	55.72	53.49	51.35	49.30
123	123-1100	3/8 X .030/.031 X 3/8 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1100-C	3/8 X .030/.031 X 3/8 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1105	3/8 X .030/.031 X 1/2 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1105-C	3/8 X .030/.031 X 1/2 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1110	3/8 X .030/.031 X 3/4 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1110-C	3/8 X .030/.031 X 3/4 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1115	3/8 X .030/.031 X 1 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1115-C	3/8 X .030/.031 X 1 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1120	3/8 X .046/.048 X 3/8 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1120-C	3/8 X .046/.048 X 3/8 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1125	3/8 X .046/.048 X 1/2 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1125-C	3/8 X .046/.048 X 1/2 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1130	3/8 X .046/.048 X 3/4 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1130-C	3/8 X .046/.048 X 3/4 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1135	3/8 X .046/.048 X 1 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1135-C	3/8 X .046/.048 X 1 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1140	3/8 X .062/.064 X 3/8 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1140-C	3/8 X .062/.064 X 3/8 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1145	3/8 X .062/.064 X 1/2 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1145-C	3/8 X .062/.064 X 1/2 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1150	3/8 X .062/.064 X 3/4 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1150-C	3/8 X .062/.064 X 3/4 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1155	3/8 X .062/.064 X 1 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1155-C	3/8 X .062/.064 X 1 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1160	3/8 X .093/.095 X 3/8 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1160-C	3/8 X .093/.095 X 3/8 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1165	3/8 X .093/.095 X 1/2 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1165-C	3/8 X .093/.095 X 1/2 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1170	3/8 X .093/.095 X 3/4 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1170-C	3/8 X .093/.095 X 3/4 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1175	3/8 X .093/.095 X 1 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1175-C	3/8 X .093/.095 X 1 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1180	3/8 X .125/.127 X 3/8 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1180-C	3/8 X .125/.127 X 3/8 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1185	3/8 X .125/.127 X 1/2 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1185-C	3/8 X .125/.127 X 1/2 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09

123	123-1190	3/8 X .125/.127 X 3/4 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1190-C	3/8 X .125/.127 X 3/4 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1195	3/8 X .125/.127 X 1 FULL RADIUS DEEP GROOVE TOOL	62.01	59.52	57.14	54.86
123	123-1195-C	3/8 X .125/.127 X 1 FULL RADIUS DEEP GROOVE TOOL	69.05	66.28	63.64	61.09
123	123-1200	1/2 X .062/.064 X 1/2 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1200-C	1/2 X .062/.064 X 1/2 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1205	1/2 X .062/.064 X 3/4 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1205-C	1/2 X .062/.064 X 3/4 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1210	1/2 X .062/.064 X 1 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1210-C	1/2 X .062/.064 X 1 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1215	1/2 X .062/.064 X 1-1/4 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1215-C	1/2 X .062/.064 X 1-1/4 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1220	1/2 X .093/.095 X 1/2 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1220-C	1/2 X .093/.095 X 1/2 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1225	1/2 X .093/.095 X 3/4 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1225-C	1/2 X .093/.095 X 3/4 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1230	1/2 X .093/.095 X 1 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1230-C	1/2 X .093/.095 X 1 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1235	1/2 X .093/.095 X 1-1/4 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1235-C	1/2 X .093/.095 X 1-1/4 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1240	1/2 X .125/.127 X 1/2 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1240-C	1/2 X .125/.127 X 1/2 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1245	1/2 X .125/.127 X 3/4 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1245-C	1/2 X .125/.127 X 3/4 FULL RADIUS DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
123	123-1250	1/2 X .125/.127 X 1 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1250-C	1/2 X .125/.127 X 1 FULL RADIUS DEEP GROOVE TOOL	87.12	83.63	80.29	77.07
123	123-1255	1/2 X .125/.127 X 1-1/4 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1255-C	1/2 X .125/.127 X 1-1/4 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1260	1/2 X .187/.189 X 1/2 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1260-C	1/2 X .187/.189 X 1/2 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1265	1/2 X .187/.189 X 3/4 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1265-C	1/2 X .187/.189 X 3/4 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1270	1/2 X .187/.189 X 1 FULL RADIUS DEEP GROOVE TOOL	84.28	80.90	77.67	74.57
123	123-1270-C	1/2 X .187/.189 X 1 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
123	123-1275	1/2 X .187/.189 X 1-1/4 FULL RADIUS DEEP GROOVE TOOL	83.55	80.90	77.67	74.57
123	123-1275-C	1/2 X .187/.189 X 1-1/4 FULL RADIUS DEEP GROOVE TOOL	93.69	89.94	86.33	82.88
126	126-1000	3/16 X 3/8 ALUM-CUT HI PERFORMANCE ENDMILL	27.23	26.14	25.09	24.09
126	126-1005	3/16 X 9/16 ALUM-CUT HI PERFORMANCE ENDMILL	28.23	27.09	26.01	24.97

126	126-1010	7/32 X 1/2 ALUM-CUT HI PERFORMANCE ENDMILL	37.34	35.84	34.42	33.03
126	126-1015	7/32 X 3/4 ALUM-CUT HI PERFORMANCE ENDMILL	39.13	37.56	36.06	34.61
126	126-1020	1/4 X 1/2 ALUM-CUT HI PERFORMANCE ENDMILL	36.97	35.49	34.07	32.71
126	126-1025	1/4 X 3/4 ALUM-CUT HI PERFORMANCE ENDMILL	39.20	37.63	36.11	34.68
126	126-1030	1/4 X 1-1/4 ALUM-CUT HI PERFORMANCE ENDMILL	47.83	45.91	44.08	42.31
126	126-1035	1/4 X 1-1/2 ALUM-CUT HI PERFORMANCE ENDMILL	67.25	64.56	61.98	59.50
126	126-1040	9/32 X 9/16 ALUM-CUT HI PERFORMANCE ENDMILL	45.56	43.73	41.98	40.30
126	126-1045	9/32 X 13/16 ALUM-CUT HI PERFORMANCE ENDMILL	49.34	47.36	45.47	43.65
126	126-1050	5/16 X 1/2 ALUM-CUT HI PERFORMANCE ENDMILL	42.39	40.69	39.06	37.50
126	126-1055	5/16 X 13/16 ALUM-CUT HI PERFORMANCE ENDMILL	44.58	42.80	41.08	39.44
126	126-1060	5/16 X 1-1/4 ALUM-CUT HI PERFORMANCE ENDMILL	44.58	42.80	41.08	39.44
126	126-1065	3/8 X 5/8 ALUM-CUT HI PERFORMANCE ENDMILL	49.98	47.98	46.05	44.22
126	126-1070	3/8 X 1 ALUM-CUT HI PERFORMANCE ENDMILL	52.90	50.78	48.75	46.80
126	126-1075	3/8 X 1-1/4 ALUM-CUT HI PERFORMANCE ENDMILL	73.74	70.79	67.96	65.24
126	126-1080	3/8 X 1-1/2 ALUM-CUT HI PERFORMANCE ENDMILL	90.01	86.41	82.95	79.63
126	126-1085	3/8 X 2 ALUM-CUT HI PERFORMANCE ENDMILL	100.78	96.75	92.88	89.16
126	126-1090	7/16 X 5/8 ALUM-CUT HI PERFORMANCE ENDMILL	59.83	57.43	55.14	52.93
126	126-1095	7/16 X 1 ALUM-CUT HI PERFORMANCE ENDMILL	62.93	60.41	57.98	55.67
126	126-1100	7/16 X 2 ALUM-CUT HI PERFORMANCE ENDMILL	96.47	92.61	88.90	85.34
126	126-1105	1/2 X 5/8 ALUM-CUT HI PERFORMANCE ENDMILL	67.25	64.56	61.98	59.50
126	126-1110	1/2 X 1 ALUM-CUT HI PERFORMANCE ENDMILL	68.38	65.64	63.01	60.49
126	126-1115	1/2 X 1-1/4 ALUM-CUT HI PERFORMANCE ENDMILL	72.60	69.69	66.90	64.23
126	126-1120	1/2 X 1-1/2 ALUM-CUT HI PERFORMANCE ENDMILL	100.72	96.68	92.81	89.10
126	126-1125	1/2 X 2 ALUM-CUT HI PERFORMANCE ENDMILL	104.07	99.91	95.91	92.07
126	126-1130	1/2 X 3 ALUM-CUT HI PERFORMANCE ENDMILL	174.38	167.07	160.70	154.27
126	126-1135	5/8 X 3/4 ALUM-CUT HI PERFORMANCE ENDMILL	125.82	120.78	115.95	111.32
126	126-1140	5/8 X 1-5/8 ALUM-CUT HI PERFORMANCE ENDMILL	132.55	127.24	122.16	117.27
126	126-1145	5/8 X 2-1/4 ALUM-CUT HI PERFORMANCE ENDMILL	171.09	164.24	157.66	151.36
126	126-1150	3/4 X 1 ALUM-CUT HI PERFORMANCE ENDMILL	171.02	164.18	157.61	151.31
126	126-1155	3/4 X 1-5/8 ALUM-CUT HI PERFORMANCE ENDMILL	181.95	174.65	167.65	160.95
126	126-1160	3/4 X 2-1/4 ALUM-CUT HI PERFORMANCE ENDMILL	242.44	232.74	223.43	214.49
126	126-1165	3/4 X 3 ALUM-CUT HI PERFORMANCE ENDMILL	242.44	232.74	223.43	214.49
126	126-1170	1 X 1-1/2 ALUM-CUT HI PERFORMANCE ENDMILL	294.32	282.55	271.24	260.40
126	126-1175	1 X 2-1/4 ALUM-CUT HI PERFORMANCE ENDMILL	387.88	372.88	357.47	343.17
126	126-1180	1 X 3 ALUM-CUT HI PERFORMANCE ENDMILL	452.35	434.25	416.88	400.19
135	135-3000	.170 X .500 REACH 16 PITCH ACME INTERNAL THREAD MILL	40.18	38.57	37.03	35.55
135	135-3000-C	.170 X .500 REACH 16 PITCH ACME INTERNAL THREAD MILL	43.86	42.25	40.71	39.23
135	135-3005	.200 X .750 REACH 14 PITCH ACME THREAD MILL	52.50	50.48	48.47	46.44

135	135-3005-C	.200 X .750 REACH 14 PITCH ACME THREAD MILL	56.18	54.16	52.14	50.12
135	135-3010	.235 X 1.00 REACH 12 PITCH ACME THREAD MILL	57.75	55.43	53.23	51.09
135	135-3010-C	.235 X 1.00 REACH 12 PITCH ACME THREAD MILL ALTIN	63.83	61.51	59.30	57.17
135	135-3015	.320 X 1.250 REACH 10 PITCH ACME THREAD MILL	70.65	67.94	65.21	62.60
135	135-3015-C	.320 X 1.250 REACH 10 PITCH ACME THREAD MILL	76.73	74.01	71.29	71.29
135	135-3020	.400 X 1.3 REACH 8 PITCH ACME THREAD MILL	88.32	84.80	81.26	77.72
135	135-3020-C	.400 X 1.3 REACH 8 PITCH ACME THREAD MILL	95.87	92.35	88.81	84.92
135	135-3025	.490 X 1.30 REACH 6 PITCH ACME THREAD MILL	103.77	99.78	95.79	91.80
135	135-3025-C	.490 X 1.30 REACH 6 PITCH ACME THREAD MILL	113.91	109.92	105.87	101.94
135	135-3030	.620 X 1.750 REACH 5 PITCH ACME THREAD MILL	130.53	125.51	120.48	115.46
135	135-3030-C	.620 X 1.750 REACH 5 PITCH ACME THREAD MILL	145.63	140.61	135.55	130.56
135	135-3035	.745 X 1.500 REACH 4 PITCH ACME INTERNAL THREAD MILL	140.96	135.33	129.98	124.72
135	135-3035-C	.745 X 1.500 REACH 4 PITCH ACME EXTERNAL THREAD MILL ALTIN	161.23	155.60	150.25	144.99
135	135-3040	.745 X 2.5 REACH 4 PITCH ACME INTERNAL THREAD MILL	162.11	155.63	149.48	143.43
135	135-3040-C	.745 X 2.5 REACH 4 PITCH ACME EXTERNAL THREAD MILL ALTIN	185.42	178.00	170.88	164.05
135	135-4000	.170 X .500 REACH 16 PITCH STUB ACME THREAD MILL	40.18	38.57	37.03	35.55
135	135-4000-C	.170 X .500 REACH 16 PITCH STUB ACME THREAD MILL ALTIN	43.86	42.25	40.71	39.23
135	135-4005	.200 X .750 REACH 14 PITCH STUB ACME THREAD MILL	52.50	50.48	48.47	46.44
135	135-4005-C	.200 X .750 REACH 14 PITCH STUB ACME THREAD MILL	56.18	54.16	52.14	50.12
135	135-4010	.235 X 1.00 REACH 12 PITCH STUB ACME THREAD MILL	57.75	55.43	53.23	51.09
135	135-4010-C	.235 X 1.00 REACH 12 PITCH STUB ACME THREAD MILL	63.83	61.51	59.30	57.17
135	135-4015	.320 X 1.250 REACH 10 PITCH STUB ACME THREAD MILL	70.65	67.94	65.21	61.91
135	135-4015-C	.320 X 1.250 REACH 10 PITCH STUB ACME THREAD MILL	76.73	74.01	71.29	68.43
135	135-4020	.400 X 1.3 REACH 8 PITCH STUB ACME THREAD MILL	88.32	84.80	81.26	77.72
135	135-4020-C	.400 X 1.3 REACH 8 PITCH STUB ACME THREAD MILL	95.87	92.35	88.81	85.27
135	135-4025	.490 X 1.300 REACH 6 PITCH STUB ACME THREAD MILL	103.77	99.78	95.79	91.80
135	135-4025-C	.490 X 1.300 REACH 6 PITCH STUB ACME THREAD MILL	113.91	109.92	105.87	101.94
135	135-4030	.620 X 1.750 REACH 5 PITCH STUB ACME THREAD MILL	130.53	125.51	120.47	115.46
135	135-4030-C	.620 X 1.750 REACH 5 PITCH STUB ACME THREAD MILL	145.63	140.61	135.58	130.56
135	135-4035	.745 X 1.500 X 4 PITCH STUB ACME INTERNAL THREAD MILL	140.96	135.33	129.98	124.72
135	135-4035-C	.745 X 1.500 X 4 PITCH STUB ACME INTERNAL THREAD MILL	161.23	155.60	150.25	144.99
135	135-4040	.745 X 2.500 X 4 PITCH STUB ACME INTERNAL THREAD MILL	140.96	135.33	129.98	124.72
135	135-4040-C	.745 X 2.500 X 4 PITCH STUB ACME INTERNAL THREAD MILL	185.42	178.00	170.88	164.05
136	136-0995	.125 X .250 SHARP CORNER HIGH PERFORMANCE END MILL	25.84	24.46	23.48	22.55
136	136-1000	1/8 x 1/4 x .010 R HIGH PERFORMANCE	25.84	24.80	23.81	22.87
136	136-1010	1/8 x 1/2 x .010 R HIGH PERFORMANCE	25.84	24.80	23.81	22.87
136	136-1015	5/32 x 5/16 x .0R HIGH PERFORMANCE	24.31	23.34	22.41	21.50
136	136-1020	5/32 x 5/16 x .010 R HIGH PERFORMANCE	24.31	23.34	22.41	21.50

136	136-1025	5/32 x 9/16 x .0R HIGH PERFORMANCE	24.31	23.34	22.41	21.50
136	136-1030	5/32 x 9/16 x .010 R HIGH PERFORMANCE	24.31	23.34	22.41	21.50
136	136-1038	3/16 x 5/16 x .0R HIGH PERFORMANCE	23.90	22.94	22.02	21.15
136	136-1040	3/16 x 5/16 x .010 R HIGH PERFORMANCE	23.90	22.94	22.02	21.15
136	136-1045	3/16 X 9/16 HIGH PERFORMANCE	23.90	22.94	22.02	21.15
136	136-1050	3/16 x 9/16 x .010 R HIGH PERFORMANCE	23.90	22.94	22.02	21.15
136	136-1060	3/16 x 9/16 x .020 R HIGH PERFORMANCE	26.09	25.04	24.03	23.08
136	136-1070	7/32 x 1/2 x .015 R HIGH PERFORMANCE	30.21	29.00	27.84	26.73
136	136-1075	7/32 x 3/4 x .0R HIGH PERFORMANCE	30.21	29.00	27.84	26.73
136	136-1080	7/32 x 3/4 x .015 R HIGH PERFORMANCE	30.21	29.00	27.84	26.73
136	136-1085	1/4 x 1/2 x .0R HIGH PERFORMANCE	27.27	26.17	25.13	24.12
136	136-1090	1/4 x 1/2 x .015 R HIGH PERFORMANCE	27.27	26.17	25.13	24.12
136	136-1095	1/4 x 3/4 x .0R HIGH PERFORMANCE	27.27	26.17	25.13	24.12
136	136-1100	1/4 x 3/4 x .015 R HIGH PERFORMANCE	27.27	26.17	25.13	24.12
136	136-1110	1/4 x 3/4 x .030 R HIGH PERFORMANCE	27.27	26.17	25.13	24.12
136	136-1120	1/4 x 1-1/8 x .015 R HIGH PERFORMANCE	40.00	38.40	36.86	35.38
136	136-1130	1/4 x 1-1/8 x .030 R HIGH PERFORMANCE	40.00	38.40	36.86	35.38
136	136-1135	9/32 x 1/2 x .0R HIGH PERFORMANCE	36.97	35.49	34.07	32.71
136	136-1140	9/32 x 1/2 x .015 R HIGH PERFORMANCE	36.97	35.49	34.07	32.71
136	136-1150	9/32 x 3/4 x .015 R HIGH PERFORMANCE	36.97	35.49	34.07	32.71
136	136-1155	5/16 x 1/2 x .0R HIGH PERFORMANCE	34.72	33.32	31.99	30.72
136	136-1160	5/16 x 1/2 x .015 R HIGH PERFORMANCE	34.72	33.32	31.99	30.72
136	136-1170	5/16 x 1/2 x .030 R HIGH PERFORMANCE	34.72	33.32	31.99	30.72
136	136-1180	5/16 x 13/16 x .015 R HIGH PERFORMANCE	36.97	35.49	34.07	32.71
136	136-1190	5/16 x 13/16 x .030 R HIGH PERFORMANCE	36.97	35.49	34.07	32.71
136	136-1200	5/16 x 1-1/8 x .015 R HIGH PERFORMANCE	49.88	47.88	45.97	44.13
136	136-1210	5/16 x 1-1/8 x .030 R HIGH PERFORMANCE	49.88	47.88	45.97	44.13
136	136-1220	11/32 x 9/16 x .015 R HIGH PERFORMANCE	42.42	40.72	39.09	37.52
136	136-1225	11/32 x 7/8 x .0R HIGH PERFORMANCE	45.59	43.76	42.01	40.33
136	136-1230	11/32 x 7/8 x .015 R HIGH PERFORMANCE	45.59	43.76	42.01	40.33
136	136-1235	3/8 X 9/16 X .0 R HIGH PERFORMANCE	39.05	37.48	35.97	34.54
136	136-1240	3/8 x 9/16 x .015 R HIGH PERFORMANCE	39.05	37.48	35.97	34.54
136	136-1250	3/8 x 9/16 x .030 R HIGH PERFORMANCE	39.05	37.48	35.97	34.54
136	136-1260	3/8 x 9/16 x .062 R HIGH PERFORMANCE	39.05	37.48	35.97	34.54
136	136-1265	3/8 x 1 x .0 R HIGH PERFORMANCE	41.34	39.68	38.09	36.57
136	136-1270	3/8 x 1 x .015 R HIGH PERFORMANCE	41.34	39.68	38.09	36.57
136	136-1280	3/8 x 1 x .030 R HIGH PERFORMANCE	41.34	39.68	38.09	36.57
136	136-1290	3/8 x 1 x .062 R HIGH PERFORMANCE	41.34	39.68	38.09	36.57

136	136-1300	3/8 x 1 x .125 R HIGH PERFORMANCE	41.34	39.68	38.09	36.57
136	136-1305	3/8 x 1-1/4 x .0R HIGH PERFORMANCE	53.96	51.80	49.72	47.74
136	136-1310	3/8 x 1-1/4 x .015 R HIGH PERFORMANCE	53.96	51.80	49.72	47.74
136	136-1320	3/8 x 1-1/4 x .030 R HIGH PERFORMANCE	53.96	51.80	49.72	47.74
136	136-1330	3/8 x 1-1/4 x .062 R HIGH PERFORMANCE	53.96	51.80	49.72	47.74
136	136-1335	3/8 x 1-1/2 x .0R HIGH PERFORMANCE	74.83	71.83	68.95	66.19
136	136-1340	3/8 x 1-1/2 x .015 R HIGH PERFORMANCE	74.83	71.83	68.95	66.19
136	136-1350	3/8 x 1-1/2 x .030 R HIGH PERFORMANCE	74.83	71.83	68.95	66.19
136	136-1360	3/8 x 1-1/2 x .062 R HIGH PERFORMANCE	74.83	71.83	68.95	66.19
136	136-1365	3/8 x 2 x .0R HIGH PERFORMANCE	74.83	71.83	68.95	66.19
136	136-1370	3/8 x 2 x .015 R HIGH PERFORMANCE	74.83	71.83	68.95	66.19
136	136-1380	3/8 x 2 x .030 R HIGH PERFORMANCE	74.83	71.83	68.95	66.19
136	136-1390	3/8 x 2 x .062 R HIGH PERFORMANCE	74.83	71.83	68.95	66.19
136	136-1395	7/16 x 9/16 x .0R HIGH PERFORMANCE	49.86	47.86	45.95	44.11
136	136-1400	7/16 x 9/16 x .015 R HIGH PERFORMANCE	49.86	47.86	45.95	44.11
136	136-1410	7/16 x 9/16 x .030 R HIGH PERFORMANCE	49.86	47.86	45.95	44.11
136	136-1415	7/16 x 1 x .0R HIGH PERFORMANCE	49.86	47.86	45.95	44.11
136	136-1420	7/16 x 1 x .015 R HIGH PERFORMANCE	49.86	47.86	45.95	44.11
136	136-1430	7/16 x 1 x .030 R HIGH PERFORMANCE	49.86	47.86	45.95	44.11
136	136-1440	7/16 x 1 x .062 R HIGH PERFORMANCE	49.86	47.86	45.95	44.11
136	136-1445	7/16 x 2 x .0R HIGH PERFORMANCE	80.28	77.06	73.98	71.02
136	136-1450	7/16 x 2 x .015 R HIGH PERFORMANCE	80.28	77.06	73.98	71.02
136	136-1460	7/16 x 2 x .030 R HIGH PERFORMANCE	80.28	77.06	73.98	71.02
136	136-1465	1/2 x 5/8 x .0 R HIGH PERFORMANCE END MILL	52.02	49.94	47.94	46.02
136	136-1470	1/2 x 5/8 x .010 R HIGH PERFORMANCE	52.02	49.94	47.93	46.00
136	136-1480	1/2 x 5/8 x .015 R HIGH PERFORMANCE	52.02	49.94	47.94	46.02
136	136-1490	1/2 x 5/8 x .030 R HIGH PERFORMANCE	52.02	49.94	47.94	46.02
136	136-1500	1/2 x 5/8 x .045 R HIGH PERFORMANCE	52.02	49.94	47.94	46.02
136	136-1510	1/2 x 5/8 x .062 R HIGH PERFORMANCE	52.02	49.94	47.94	46.02
136	136-1520	1/2 x 5/8 x .094 R HIGH PERFORMANCE	52.02	49.94	47.94	46.02
136	136-1530	1/2 x 5/8 x .125 R HIGH PERFORMANCE	52.02	49.94	47.94	46.02
136	136-1535	.500 X 1.00 X 0.0R HI-PERFORMANCE END MILL	51.94	49.85	47.86	45.95
136	136-1540	1/2 x 1 x .015 R HIGH PERFORMANCE	51.94	49.85	47.86	45.95
136	136-1550	1/2 x 1 x .030 R HIGH PERFORMANCE	51.94	49.85	47.86	45.95
136	136-1560	1/2 x 1 x .045 R HIGH PERFORMANCE	51.94	49.85	47.86	45.95
136	136-1570	1/2 x 1 x .062 R HIGH PERFORMANCE	51.94	49.85	47.86	45.95
136	136-1580	1/2 x 1 x .094 R HIGH PERFORMANCE	51.94	49.85	47.86	45.95
136	136-1590	1/2 x 1 x .125 R HIGH PERFORMANCE	51.94	49.85	47.86	47.86

136	136-1595	1/2 x 1-1/4 x .010 R HIGH PERFORMANCE	58.51	56.17	53.92	51.77
136	136-1600	1/2 x 1-1/4 x .010 R HIGH PERFORMANCE	58.51	56.17	53.92	51.77
136	136-1610	1/2 x 1-1/4 x .015 R HIGH PERFORMANCE	58.51	56.17	53.92	51.77
136	136-1620	1/2 x 1-1/4 x .030 R HIGH PERFORMANCE	58.51	56.17	53.92	51.77
136	136-1630	1/2 x 1-1/4 x .045 R HIGH PERFORMANCE	58.51	56.17	53.92	51.77
136	136-1640	1/2 x 1-1/4 x .062 R HIGH PERFORMANCE	58.51	56.17	53.92	51.77
136	136-1650	1/2 x 1-1/4 x .094 R HIGH PERFORMANCE	58.51	56.17	53.92	51.77
136	136-1660	1/2 x 1-1/4 x .125 R HIGH PERFORMANCE	58.51	56.17	53.92	51.77
136	136-1670	1/2 x 1-1/2 x .015 R HIGH PERFORMANCE	87.97	84.44	81.07	77.82
136	136-1680	1/2 x 1-1/2 x .030 R HIGH PERFORMANCE	87.97	84.44	81.07	77.82
136	136-1690	1/2 x 1-1/2 x .062 R HIGH PERFORMANCE	87.97	84.44	81.07	77.82
136	136-1695	1/2 x 2 x .0R HIGH PERFORMANCE	96.38	92.52	88.82	85.26
136	136-1700	1/2 x 1-1/2 x .094 R HIGH PERFORMANCE	87.97	84.44	81.07	77.82
136	136-1710	1/2 x 1-1/2 x .125 R HIGH PERFORMANCE	87.97	84.44	81.07	77.82
136	136-1720	1/2 x 2 x .015 R HIGH PERFORMANCE	96.38	92.52	88.82	85.26
136	136-1730	1/2 x 2 x .030 R HIGH PERFORMANCE	96.38	92.52	88.82	85.26
136	136-1740	1/2 x 2 x .045 R HIGH PERFORMANCE	96.38	92.52	88.82	85.26
136	136-1750	1/2 x 2 x .062 R HIGH PERFORMANCE	96.38	92.52	88.82	85.26
136	136-1760	1/2 x 2 x .094 R HIGH PERFORMANCE	96.38	92.52	88.82	85.26
136	136-1770	1/2 x 2 x .125 R HIGH PERFORMANCE	96.38	92.52	88.82	85.26
136	136-1780	5/8 x 3/4 x .062 R HIGH PERFORMANCE	106.10	101.85	97.78	93.87
136	136-1790	5/8 x 3/4 x .094 R HIGH PERFORMANCE	106.10	101.85	97.78	93.87
136	136-1800	5/8 x 3/4 x .125 R HIGH PERFORMANCE	106.10	101.85	97.78	93.87
136	136-1805	5/8 x 1-5/8 x .0R HIGH PERFORMANCE	116.94	112.26	107.77	103.46
136	136-1810	5/8 x 1-5/8 x .015 R HIGH PERFORMANCE	116.94	112.26	107.77	103.46
136	136-1820	5/8 x 1-5/8 x .030 R HIGH PERFORMANCE	116.94	112.26	107.77	103.46
136	136-1830	5/8 x 1-5/8 x .062 R HIGH PERFORMANCE	116.94	112.26	107.77	103.46
136	136-1840	5/8 x 1-5/8 x .094 R HIGH PERFORMANCE	116.94	112.26	107.77	103.46
136	136-1850	5/8 x 1-5/8 x .125 R HIGH PERFORMANCE	116.94	112.26	107.77	103.46
136	136-1855	3/4 x 7/8 x .0R HIGH PERFORMANCE	136.39	130.93	125.69	120.66
136	136-1860	5/8 x 2-1/4 x .015 R HIGH PERFORMANCE	143.72	137.97	132.45	127.15
136	136-1870	5/8 x 2-1/4 x .030 R HIGH PERFORMANCE	143.72	137.97	132.45	127.15
136	136-1880	5/8 x 2-1/4 x .045 R HIGH PERFORMANCE	143.72	137.97	132.45	127.15
136	136-1890	5/8 x 2-1/4 x .062 R HIGH PERFORMANCE	143.72	137.97	132.45	127.15
136	136-1900	5/8 x 2-1/4 x .062 R HIGH PERFORMANCE	143.72	137.97	132.45	127.15
136	136-1910	5/8 x 2-1/4 x .125 R HIGH PERFORMANCE	143.72	137.97	132.45	127.15
136	136-1920	3/4 x 7/8 x .030 R HIGH PERFORMANCE	136.39	130.93	125.69	120.66
136	136-1930	3/4 x 7/8 x .045 R HIGH PERFORMANCE	136.39	130.93	125.69	120.66

136	136-1940	3/4 x 7/8 x .062 R HIGH PERFORMANCE	136.39	130.93	125.69	120.66
136	136-1950	3/4 x 7/8 x .094 R HIGH PERFORMANCE	136.39	130.93	125.69	120.66
136	136-1960	3/4 x 7/8 x .125 R HIGH PERFORMANCE	136.39	130.93	125.69	120.66
136	136-1965	3/4 x 1-5/8 x .0R HIGH PERFORMANCE	153.72	147.56	141.66	135.99
136	136-1970	3/4 x 1-5/8 x .015 R HIGH PERFORMANCE	153.72	147.56	141.66	135.99
136	136-1980	3/4 x 1-5/8 x .030 R HIGH PERFORMANCE	153.72	147.56	141.66	135.99
136	136-1990	3/4 x 1-5/8 x .045 R HIGH PERFORMANCE	153.72	147.56	141.66	135.99
136	136-2000	3/4 x 1-5/8 x .050 R HIGH PERFORMANCE	153.72	147.56	141.66	135.99
136	136-2010	3/4 x 1-5/8 x .062 R HIGH PERFORMANCE	153.72	147.56	141.66	135.99
136	136-2020	3/4 x 1-5/8 x .094 R HIGH PERFORMANCE	153.72	147.56	141.66	135.99
136	136-2030	3/4 x 1-5/8 x .125 R HIGH PERFORMANCE	153.72	147.56	141.66	135.99
136	136-2040	3/4 x 2-1/4 x .015 R HIGH PERFORMANCE	218.68	209.93	201.52	193.47
136	136-2050	3/4 x 2-1/4 x .030 R HIGH PERFORMANCE	218.68	209.93	201.52	193.47
136	136-2060	3/4 x 2-1/4 x .045 R HIGH PERFORMANCE	218.68	209.93	201.52	193.47
136	136-2070	3/4 x 2-1/4 x .050 R HIGH PERFORMANCE	218.68	209.93	201.52	193.47
136	136-2080	3/4 x 2-1/4 x .062 R HIGH PERFORMANCE	218.68	209.93	201.52	193.47
136	136-2090	3/4 x 2-1/4 x .094 R HIGH PERFORMANCE	218.68	209.93	201.52	193.47
136	136-2100	3/4 x 2-1/4 x .125 R HIGH PERFORMANCE	218.68	209.93	201.52	193.47
136	136-2110	3/4 x 3 x .015 R HIGH PERFORMANCE	255.85	245.61	235.79	226.36
136	136-2120	3/4 x 3 x .030 R HIGH PERFORMANCE	255.85	245.61	235.79	226.36
136	136-2130	3/4 x 3 x .045 R HIGH PERFORMANCE	255.85	245.61	235.79	226.36
136	136-2140	3/4 x 3 x .062 R HIGH PERFORMANCE	255.85	245.61	235.79	226.36
136	136-2150	3/4 x 3 x .094 R HIGH PERFORMANCE	255.85	245.61	235.79	226.36
136	136-2160	3/4 x 3 x .125 R HIGH PERFORMANCE	255.85	245.61	235.79	226.36
136	136-2165	1 x 1-1/4 x .0R HIGH PERFORMANCE	247.06	237.17	227.69	218.58
136	136-2170	1 x 1-1/4 x .030 R HIGH PERFORMANCE	247.06	237.17	227.69	218.58
136	136-2180	1 x 1-1/4 x .062 R HIGH PERFORMANCE	247.06	237.17	227.69	218.58
136	136-2190	1 x 1-1/4 x .125 R HIGH PERFORMANCE	247.06	237.17	227.69	218.58
136	136-2200	1 x 1-1/2 x .030 R HIGH PERFORMANCE	253.22	243.09	233.37	224.04
136	136-2210	1 x 1-1/2 x .062 R HIGH PERFORMANCE	253.22	243.09	233.37	224.04
136	136-2220	1 x 1-1/2 x .125 R HIGH PERFORMANCE	253.22	243.09	233.37	224.04
168	168-1000	.010 RADIUS X 1/4 SHANK MAX ROUNDER	52.79	50.67	48.64	46.70
168	168-1005	.015 RADIUS X 1/4 SHANK MAX ROUNDER	52.79	50.67	48.64	46.70
168	168-1010	.020 RADIUS X 1/4 SHANK MAX ROUNDER	52.79	50.67	48.64	46.70
168	168-1015	.0312 (1/32) RADIUS X 1/4 SHANK MAX ROUNDER	52.79	50.67	48.64	46.70
168	168-1020	.0312 (1/32) RADIUS X 3/8 SHANK MAX ROUNDER	80.67	77.44	74.35	71.37
168	168-1025	.0394 (1MM) RADIUS X 3/8 SHANK MAX ROUNDER	80.67	77.44	74.35	71.37
168	168-1030	.0469 (3/64) RADIUS X 3/8 SHANK MAX ROUNDER	80.67	77.44	74.35	71.37

168	168-1035	.0591 (1.5MM) RADIUS X 3/8 SHANK MAX ROUNDER	80.67	77.44	74.35	71.37
168	168-1040	.0625 (1/16) RADIUS X 3/8 SHANK MAX ROUNDER	80.67	77.44	74.35	71.37
168	168-1045	.0625 (1/16) RADIUS X 1/2 SHANK MAX ROUNDER	121.72	116.86	112.18	107.69
168	168-1050	.070 RADIUS X 1/2 SHANK MAX ROUNDER	121.72	116.86	112.18	107.69
168	168-1055	.075 RADIUS X 1/2 SHANK MAX ROUNDER	121.72	116.86	112.18	107.69
168	168-1060	.0781 (5/64) RADIUS X 1/2 SHANK MAX ROUNDER	121.72	116.86	112.18	107.69
168	168-1065	.0787 (2MM) RADIUS X 1/2 SHANK MAX ROUNDER	121.72	116.86	112.18	107.69
168	168-1070	.0938 (3/32) RADIUS X 1/2 SHANK MAX ROUNDER	121.72	116.86	112.18	107.69
168	168-1075	.0984 (2.5MM) RADIUS X 1/2 SHANK MAX ROUNDER	121.72	116.86	112.18	107.69
168	168-1080	.109 (7/64) RADIUS X 1/2 SHANK MAX ROUNDER	121.72	116.86	112.18	107.69
168	168-1085	.1181 (3MM) RADIUS X 1/2 SHANK MAX ROUNDER	121.72	116.86	112.18	107.69
168	168-1090	.1250 (1/8) RADIUS X 1/2 SHANK MAX ROUNDER	121.72	116.86	112.18	107.69
168	168-1095	.125 (1/8) RADIUS X 5/8 SHANK MAX ROUNDIER	154.99	148.78	142.84	137.13
168	168-1100	.1562 (5/32) RADIUS X 5/8 SHANK MAX ROUNDIER	154.99	148.78	142.84	137.13
168	168-1105	.1875 (3/16) RADIUS X 5/8 SHANK MAX ROUNDIER	154.99	148.78	142.84	137.13
168	168-1110	.125 (1/8) RADIUS X 1 SHANK MAX ROUNDER	248.41	238.48	229.06	219.86
168	168-1115	.1562 (5/32) RADIUS X 1 SHANK MAX ROUNDER	248.41	238.48	229.06	219.86
168	168-1120	.1575 (4MM) RADIUS X 1 SHANK MAX ROUNDER	248.41	238.48	229.06	219.86
168	168-1125	.1875 (3/16) RADIUS X 1 SHANK MAX ROUNDER	248.41	238.48	229.06	219.86
168	168-1130	.1969 (5MM) RADIUS X 1 SHANK MAX ROUNDER	248.41	238.48	229.06	219.86
168	168-1135	.2030 (13/64) RADIUS X 1 SHANK MAX ROUNDER	248.41	238.48	229.06	219.86
168	168-1140	.2180 (7/32) RADIUS X 1 SHANK MAX ROUNDER	248.41	238.48	229.06	219.86
168	168-1145	.2340 (15/64) RADIUS X 1 SHANK MAX ROUNDER	248.41	238.48	229.06	219.86
168	168-1150	.2362 (6MM) RADIUS X 1 SHANK MAX ROUNDER	248.41	238.48	229.06	219.86
168	168-1155	.2500 (1/4) RADIUS X 1 SHANK MAX ROUNDER	248.41	238.48	229.06	219.86
170	170-1000	.010 RADIUS X 1/8 SHANK LONG CORNER ROUNDING ENDMILL	23.38	22.45	21.56	20.68
170	170-1000-C	.010 RADIUS X 1/8 SHANK LONG CORNER ROUNDING ENDMILL	25.16	24.23	23.33	22.45
170	170-1010	.0156 RADIUS X 1/8 SHANK LONG CORNER ROUNDING ENDMILL	23.38	22.45	21.56	20.68
170	170-1010-C	.0156 RADIUS X 1/8 SHANK LONG CORNER ROUNDING ENDMILL	25.16	24.23	23.33	22.45
170	170-1020	.020 RADIUS X 1/8 SHANK LONG CORNER ROUNDING ENDMILL	23.38	22.45	21.56	20.68
170	170-1020-C	.020 RADIUS X 1/8 SHANK LONG CORNER ROUNDING ENDMILL	25.16	24.23	23.33	22.45
170	170-1030	.0312 RADIUS X 1/8 SHANK LONG CORNER ROUNDING ENDMILL	23.38	22.45	21.56	20.68
170	170-1030-C	.0312 RADIUS X 1/8 SHANK LONG CORNER ROUNDING ENDMILL	25.16	24.23	23.33	22.45
170	170-1040	.0156 RADIUS X 3/16 SHANK LONG CORNER ROUNDING ENDMILL	26.21	25.16	24.15	23.18
170	170-1040-C	.0156 RADIUS X 3/16 SHANK LONG CORNER ROUNDING ENDMILL	29.39	28.34	27.33	26.36
170	170-1050	.0312 RADIUS X 3/16 SHANK LONG CORNER ROUNDING ENDMILL	26.21	25.16	24.15	23.18
170	170-1050-C	.0312 RADIUS X 3/16 SHANK LONG CORNER ROUNDING ENDMILL	29.39	28.34	27.33	26.36
170	170-1060	.0625 RADIUS X 3/16 SHANK LONG CORNER ROUNDING ENDMILL	26.21	25.16	24.15	23.18

170	170-1060-C	.0625 RADIUS X 3/16 SHANK LONG CORNER ROUNDING ENDMILL	29.39	28.34	27.33	26.36
170	170-1070	.010 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	34.42	33.03	31.71	30.45
170	170-1070-C	.010 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	38.86	37.48	36.16	34.89
170	170-1080	.0156 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	34.42	33.03	31.71	30.45
170	170-1080-C	.0156 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	38.86	37.48	36.16	34.89
170	170-1090	.020 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	34.42	33.03	31.71	30.45
170	170-1090-C	.020 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	38.86	37.48	36.16	34.89
170	170-1100	.0312 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	34.42	33.03	31.71	30.45
170	170-1100-C	.0312 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	38.86	37.48	36.16	34.89
170	170-1110	.0394 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	34.42	33.03	31.71	30.45
170	170-1110-C	.0394 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	38.86	37.48	36.16	34.89
170	170-1120	.0469 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	34.42	33.03	31.71	30.45
170	170-1120-C	.0469 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	38.86	37.48	36.16	34.89
170	170-1130	.0591 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	34.42	33.03	31.71	30.45
170	170-1130-C	.0591 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	38.86	37.48	36.16	34.89
170	170-1140	.0625 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	34.42	33.03	31.71	30.45
170	170-1140-C	.0625 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	38.86	37.48	36.16	34.89
170	170-1150	.070 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	34.42	33.03	31.71	30.45
170	170-1150-C	.070 RADIUS X 1/4 SHANK LONG CORNER ROUNDING ENDMILL	38.86	37.48	36.16	34.89
170	170-1160	.0781 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	47.89	45.97	44.13	42.37
170	170-1160-C	.0781 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	55.01	53.08	51.25	49.48
170	170-1170	.0787 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	47.89	45.97	44.13	42.37
170	170-1170-C	.0787 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	55.01	53.08	51.25	49.48
170	170-1180	.0938 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	47.89	45.97	44.13	42.37
170	170-1180-C	.0938 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	55.01	53.08	51.25	49.48
170	170-1190	.0984 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	47.89	45.97	44.13	42.37
170	170-1190-C	.0984 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	55.01	53.08	51.25	49.48
170	170-1200	.1094 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	47.89	45.97	44.13	42.37
170	170-1200-C	.1094 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	55.01	53.08	51.25	49.48
170	170-1210	.1181 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	47.89	45.97	44.13	42.37
170	170-1210-C	.1181 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	55.01	53.08	51.25	49.48
170	170-1220	.1250 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	47.89	45.97	44.13	42.37
170	170-1220-C	.1250 RADIUS X 3/8 SHANK LONG CORNER ROUNDING ENDMILL	55.01	53.08	51.25	49.48
170	170-1230	.140 RADIUS X 1/2 SHANK LONG CORNER ROUNDING ENDMILL	85.55	82.13	78.84	75.69
170	170-1230-C	.140 RADIUS X 1/2 SHANK LONG CORNER ROUNDING ENDMILL	96.93	93.50	90.22	87.07
170	170-1240	.1562 RADIUS X 1/2 SHANK LONG CORNER ROUNDING ENDMILL	85.55	82.13	78.84	75.69
170	170-1240-C	.1562 RADIUS X 1/2 SHANK LONG CORNER ROUNDING ENDMILL	96.93	93.50	90.22	87.07
170	170-1250	.1575 RADIUS X 1/2 SHANK LONG CORNER ROUNDING ENDMILL	85.55	82.13	78.84	75.69

170	170-1250-C	.1575 RADIUS X 1/2 SHANK LONG CORNER ROUNDING ENDMILL	96.93	93.50	90.22	87.07
170	170-1260	.1718 RADIUS X 1/2 SHANK LONG CORNER ROUNDING ENDMILL	85.55	82.13	78.84	75.69
170	170-1260-C	.1718 RADIUS X 1/2 SHANK LONG CORNER ROUNDING ENDMILL	96.93	93.50	90.22	87.07
170	170-1270	.1875 RADIUS X 1/2 SHANK LONG CORNER ROUNDING ENDMILL	85.55	82.13	78.84	75.69
170	170-1270-C	.1875 RADIUS X 1/2 SHANK LONG CORNER ROUNDING ENDMILL	96.93	93.50	90.22	87.07
170	170-1280	.2344 RADIUS X 5/8 SHANK LONG CORNER ROUNDING ENDMILL	100.83	96.79	92.92	89.20
170	170-1280-C	.2344 RADIUS X 5/8 SHANK LONG CORNER ROUNDING ENDMILL	114.34	110.30	106.43	102.71
170	170-1290	.2362 RADIUS X 5/8 SHANK LONG CORNER ROUNDING ENDMILL	100.83	96.79	92.92	89.20
170	170-1290-C	.2362 RADIUS X 5/8 SHANK LONG CORNER ROUNDING ENDMILL	114.34	110.30	106.43	102.71
170	170-1300	.2500 RADIUS X 5/8 SHANK LONG CORNER ROUNDING ENDMILL	100.83	96.79	92.92	89.20
170	170-1300-C	.2500 RADIUS X 5/8 SHANK LONG CORNER ROUNDING ENDMILL	114.34	110.30	106.43	102.71