



## UNGROUND SAW TIPS EUROPEAN STYLE

### CWB SERIES C2/C3 GRADE

	Toney Treated	Pretinned
CWB7085 .281 X .078 X .085	0.10	0.19
CWB7105 .281 X .078 X .105	0.11	0.19
CWB7120 .281 X .078 X .120	0.11	0.20
CWB7135 .281 X .078 X .135	0.12	0.21
CWB7150 .281 X .078 X .150	0.12	0.21
CWB7165 .281 X .078 X .165	0.13	0.22
CWB7185 .281 X .078 X .185	0.14	0.23
CWB7200 .281 X .078 X .200	0.14	0.24
CWB7215 .281 X .078 X .215	0.15	0.25
CWB7220 .281 X .078 X .220	0.15	0.25
CWB7230 .281 X .078 X .230	0.15	0.27

### CWD SERIES C2/C3 GRADE

	Toney Treated	Pretinned
CWD7100 .312 X .093 X .100	0.11	0.20
CWD7120 .312 X .093 X .120	0.12	0.21
CWD7125 .312 X .093 X .125	0.13	0.21
CWD7135 .312 X .093 X .135	0.13	0.21
CWD7140 .312 X .093 X .140	0.13	0.22
CWD7150 .312 X .093 X .150	0.13	0.22
CWD7165 .312 X .093 X .165	0.14	0.24
CWD7185 .312 X .093 X .185	0.15	0.24
CWD7200 .312 X .093 X .200	0.16	0.25
CWD7215 .312 X .093 X .215	0.16	0.26
CWD7230 .312 X .093 X .230	0.17	0.27
CWD7250 .312 X .093 X .250	0.18	0.28
CWD7281 .312 X .093 X .281	0.19	0.30
CWD7312 .312 X .093 X .312	0.21	0.31

### CWD SERIES C4 GRADE

	Toney Treated	Pretinned
CWD7125-4 .312 X .093 X .125	0.14	0.22
CWD7135-4 .312 X .093 X .135	0.15	0.24
CWD7140-4 .312 X .093 X .140	0.16	0.24
CWD7150-4 .312 X .093 X .150	0.16	0.24
CWD7165-4 .312 X .093 X .165	0.16	0.25
CWD7200-4 .312 X .093 X .200	0.17	0.26
CWD7215-4 .312 X .093 X .215	0.17	0.27
CWD7230-4 .312 X .093 X .230	0.18	0.28
CWD7250-4 .312 X .093 X .250	0.20	0.29

### CWD SERIES R/L HAND C2/C3 GRADE

	Toney Treated	Pretinned
CWDR/L7150 .312 X .093 X .150	0.12	0.20
CWDR/L7165 .312 X .093 X .165	0.13	0.22
CWDR/L7185 .312 X .093 X .185	0.15	0.23
CWDR/L7200 .312 X .093 X .200	0.16	0.25
CWDR/L7215 .312 X .093 X .215	0.17	0.26
CWDR/L7220 .312 X .093 X .220	0.18	0.27
CWDR/L7250 .312 X .093 X .250	0.20	0.29



## UNGROUND SAW TIPS EUROPEAN STYLE

### CWE SERIES C2/C3 GRADE

	Toney Treated	Pretinned
CWE7135 .375 X .093 X .135	0.12	0.20
CWE7140 .375 X .093 X .140	0.12	0.20
CWE7150 .375 X .093 X .150	0.13	0.22
CWE7165 .375 X .093 X .165	0.15	0.24
CWE7180 .375 X .093 X .180	0.16	0.25
CWE7185 .375 X .093 X .185	0.16	0.26
CWE7200 .375 X .093 X .200	0.18	0.28
CWE7215 .375 X .093 X .215	0.19	0.28
CWE7230 .375 X .093 X .230	0.21	0.29
CWE7250 .375 X .093 X .250	0.22	0.31
CWE7280 .375 X .093 X .280	0.23	0.34

### CWE SERIES R/H HAND C2/C3 GRADE

	Toney Treated	Pretinned
CWER/L7215 .375 X .093 X .215	0.23	0.29
CWER/L7230 .375 X .093 X .230	0.24	0.30
CWER/L7250 .375 X .093 X .250	0.25	0.32

### CWF SERIES C1/C2 GRADE

	Toney Treated	Pretinned
CWF7130 .500 X .125 X .130	0.18	0.27
CWF7140 .500 X .125 X .140	0.20	0.29
CWF7150 .500 X .125 X .150	0.21	0.30
CWF7160 .500 X .125 X .160	0.21	0.30
CWF7165 .500 X .125 X .165	0.22	0.31
CWF7170 .500 X .125 X .170	0.22	0.31
CWF7180 .500 X .125 X .180	0.23	0.33
CWF7185 .500 X .125 X .185	0.24	0.34
CWF7190 .500 X .125 X .190	0.25	0.35
CWF7200 .500 X .125 X .200	0.26	0.36
CWF7210 .500 X .125 X .210	0.27	0.36
CWF7215 .500 X .125 X .215	0.28	0.38
CWF7220 .500 X .125 X .220	0.29	0.38
CWF7230 .500 X .125 X .230	0.30	0.41
CWF7240 .500 X .125 X .240	0.31	0.41
CWF7250 .500 X .125 X .250	0.33	0.43
CWF7260 .500 X .125 X .260	0.35	0.45
CWF7270 .500 X .125 X .270	0.37	0.48
CWF7275 .500 X .125 X .275	0.40	0.50
CWF7280 .500 X .125 X .275	0.41	0.52
CWF7290 .500 X .125 X .290	0.42	0.53
CWF7312 .500 X .125 X .312	0.45	0.56
CWF7350 .500 X .125 X .350	0.48	0.59
CWF7375 .500 X .125 X .375	0.51	0.62
CWF7400 .500 X .125 X .400	0.56	0.67



## UNGROUND SAW TIPS EUROPEAN STYLE

### CWF SERIES NC15

	Toney Treated	Pretinned
CWF7150-15 .500 X .125 X .150	0.26	0.36
CWF7160-15 .500 X .125 X .160	0.27	0.37
CWF7165-15 .500 X .125 X .165	0.28	0.38
CWF7170-15 .500 X .125 X .170	0.29	0.38
CWF7180-15 .500 X .125 X .180	0.30	0.40
CWF7190-15 .500 X .125 X .190	0.32	0.42
CWF7200-15 .500 X .125 X .200	0.34	0.44
CWF7215-15 .500 X .125 X .215	0.36	0.47
CWF7230-15 .500 X .125 X .230	0.39	0.50
CWF7250-15 .500 X .125 X .250	0.42	0.53

### CWF SERIES R/L C1/C2 GRADE

	Toney Treated	Pretinned
CWFR/L7230 .500 X .125 X .230	0.35	0.45
CWFR/L7250 .500 X .125 X .250	0.38	0.48
CWFR/L7280 .500 X .125 X .280	0.40	0.51
CWFR/L7290 .500 X .125 X .290	0.43	0.54

### CWG SERIES C2/C3 GRADE

	Toney Treated	Pretinned
CWG7135 .375 X .125 X .135	0.15	0.24
CWG7140 .375 X .125 X .140	0.16	0.25
CWG7150 .375 X .125 X .150	0.17	0.26
CWG7160 .375 X .125 X .160	0.18	0.27
CWG7165 .375 X .125 X .165	0.18	0.27
CWG7170 .375 X .125 X .170	0.19	0.28
CWG7180 .375 X .125 X .180	0.19	0.29
CWG7185 .375 X .125 X .185	0.20	0.29
CWG7190 .375 X .125 X .190	0.20	0.29
CWG7200 .375 X .125 X .200	0.21	0.30
CWG7215 .375 X .125 X .215	0.21	0.30
CWG7220 .375 X .125 X .220	0.22	0.31
CWG7230 .375 X .125 X .230	0.22	0.32
CWG7240 .375 X .125 X .240	0.24	0.33
CWG7250 .375 X .125 X .250	0.24	0.34
CWG7260 .375 X .125 X .260	0.26	0.36
CWG7270 .375 X .125 X .270	0.28	0.37
CWG7275 .375 X .125 X .275	0.28	0.38
CWG7280 .375 X .125 X .280	0.29	0.38
CWG7300 .375 X .125 X .300	0.30	0.40
CWG7312 .375 X .125 X .312	0.31	0.41
CWG7400 .375 X .125 X .400	0.54	0.64



## UNGROUND SAW TIPS EUROPEAN STYLE

### Nail Cutting Grade NC15

CWG7180-15 .375 X .125 X .180  
CWG7200-15 .375 X .125 X .200  
CWG7215-15 .375 X .125 X .215  
CWG7220-15 .375 X .125 X .220  
CWG7230-15 .375 X .125 X .230  
CWG7250-15 .375 X .125 X .250

### Toney Treated Pretinned

0.25 0.36  
0.26 0.37  
0.27 0.39  
0.28 0.40  
0.29 0.42  
0.32 0.44

### CWG SERIES C4 GRADE

CWG7150-4 .375 X .125 X .150  
CWG7165-4 .375 X .125 X .165  
CWG7185-4 .375 X .125 X .185  
CWG7200-4 .375 X .125 X .200  
CWG7215-4 .375 X .125 X .215  
CWG7220-4 .375 X .125 X .220  
CWG7230-4 .375 X .125 X .230  
CWG7240-4 .375 X .125 X .240  
CWG7250-4 .375 X .125 X .250  
CWG7270-4 .375 X .125 X .270  
CWG7320-4 .375 X .125 X .320  
CWG7365-4 .375 X .125 X .365  
CWG7400-4 .375 X .125 X .400

### Toney Treated Pretinned

0.18 0.27  
0.20 0.29  
0.22 0.32  
0.23 0.33  
0.26 0.35  
0.27 0.36  
0.28 0.38  
0.30 0.40  
0.31 0.41  
0.34 0.44  
0.37 0.47  
0.41 0.55  
0.49 0.62

### CWG SERIES R/H HAND C2/C3 GRADE

CWGR/L7230 .375 X .125 X .230  
CWGR/L7250 .375 X .125 X .250  
CWGR/L7265 .375 X .125 X .265

### Toney Treated Pretinned

0.26 0.37  
0.27 0.39  
0.30 0.42

### CWH SERIES C2/C3 GRADE

CWH7125 .344 X .125 X .125  
CWH7150 .344 X .125 X .150  
CWH7165 .344 X .125 X .165  
CWH7180 .344 X .125 X .180  
CWH7200 .344 X .125 X .200  
CWH7215 .344 X .125 X .215  
CWH7220 .344 X .125 X .220  
CWH7230 .344 X .125 X .230  
CWH7240 .344 X .125 X .240  
CWH7250 .344 X .125 X .250  
CWH7265 .344 X .125 X .265  
CWH7270 .344 X .125 X .270  
CWH7300 .344 X .125 X .300

### Toney Treated Pretinned

0.13 0.22  
0.16 0.24  
0.17 0.25  
0.18 0.27  
0.19 0.28  
0.20 0.29  
0.20 0.29  
0.21 0.30  
0.21 0.30  
0.23 0.32  
0.24 0.34  
0.25 0.34  
0.29 0.38



## UNGROUND SAW TIPS EUROPEAN STYLE

### CWH SERIES C4 GRADE

	Toney Treated	Pretinned
CWH7135-4 .344 X .125 X .135	0.16	0.24
CWH7140-4 .344 X .125 X .140	0.17	0.25
CWH7150-4 .344 X .125 X .150	0.18	0.26
CWH7165-4 .344 X .125 X .165	0.18	0.27
CWH7185-4 .344 X .125 X .185	0.20	0.30
CWH7200-4 .344 X .125 X .200	0.21	0.31
CWH7215-4 .344 X .125 X .215	0.22	0.32
CWH7220-4 .344 X .125 X .220	0.23	0.34

### UNGROUND STROB STRIPS

	Toney Treated	Pretinned
ST1130 1.00 X .125 X .130	0.44	0.67
ST1140 1.00 X .125 X .140	0.47	0.70
ST1150 1.00 X .125 X .150	0.51	0.73
ST1160 1.00 X .125 X .160	0.54	0.76
ST1170 1.00 X .125 X .170	0.58	0.80
ST1180 1.00 X .125 X .180	0.61	0.83
ST1190 1.00 X .125 X .190	0.64	0.86
ST1200 1.00 X .125 X .200	0.68	0.89
ST1210 1.00 X .125 X .210	0.71	0.93
ST1220 1.00 X .125 X .220	0.75	0.96
ST1230 1.00 X .125 X .230	0.78	1.02
ST1240 1.00 X .125 X .240	0.81	1.05
ST1250 1.00 X .125 X .250	0.85	1.08
ST1280 1.00 X .125 X .280	0.95	1.12
ST2130 1.250 X .125 X .130	0.55	0.80
ST2140 1.250 X .125 X .140	0.59	0.83
ST2150 1.250 X .125 X .150	0.64	0.87
ST2160 1.250 X .125 X .160	0.68	0.91
ST2170 1.250 X .125 X .170	0.72	0.95
ST2180 1.250 X .125 X .180	0.76	1.00
ST2190 1.250 X .125 X .190	0.80	1.03
ST2200 1.250 X .125 X .200	0.85	1.08
ST2210 1.250 X .125 X .210	0.89	1.11
ST2220 1.250 X .125 X .220	0.93	1.15
ST2230 1.250 X .125 X .230	0.98	1.23
ST2240 1.250 X .125 X .240	1.02	1.26
ST2250 1.250 X .125 X .250	1.06	1.30
ST2280 1.250 X .125 X .280	1.19	1.36



## UNGROUND SAW TIPS CONVENTIONAL STYLE

### WA SERIES C2/C3 GRADE

	Toney Treated	Pretinned
WA7080 .250 X .062 X .080	0.09	0.19
WA7100 .250 X .062 X .100	0.10	0.20
WA7110 .250 X .062 X .110	0.12	0.22
WA7115 .250 X .062 X .115	0.12	0.22
WA7120 .250 X .062 X .120	0.12	0.22
WA7130 .250 X .062 X .130	0.12	0.22
WA7145 .250 X .062 X .145	0.13	0.23
WA7160 .250 X .062 X .160	0.13	0.23
WA7180 .250 X .062 X .180	0.13	0.24
WA7200 .250 X .062 X .200	0.13	0.25
WA7215 .250 X .062 X .215	0.14	0.25

### WB SERIES C2/C3 GRADE

	Toney Treated	Pretinned
WB7085 .281 X .078 X .085	0.11	0.21
WB7100 .281 X .078 X .100	0.12	0.22
WB7120 .281 X .078 X .120	0.13	0.22
WB7130 .281 X .078 X .130	0.13	0.23
WB7135 .281 X .078 X .135	0.13	0.23
WB7150 .281 X .078 X .150	0.14	0.23
WB7165 .281 X .078 X .165	0.15	0.24
WB7180 .281 X .078 X .180	0.15	0.24
WB7200 .281 X .078 X .200	0.16	0.26
WB7220 .281 X .078 X .220	0.16	0.26
WB7250 .281 X .078 X .230	0.21	0.32
WB7281 .281 X .078 X .281	0.21	0.33
WB7312 .281 X .078 X .312	0.23	0.39

### WC SERIES C2/C3 GRADE

	Toney Treated	Pretinned
WC7100 .281 X .093 X .100	0.12	0.22
WC7120 .281 X .093 X .120	0.13	0.23
WC7135 .281 X .093 X .130	0.14	0.24
WC7150 .281 X .093 X .150	0.15	0.24
WC7165 .281 X .093 X .165	0.17	0.26
WC7185 .281 X .093 X .185	0.18	0.27
WC7200 .281 X .093 X .200	0.19	0.29
WC7215 .281 X .093 X .215	0.20	0.31



# UNGROUND SAW TIPS CONVENTIONAL STYLE

## WD SERIES C2/C3 GRADE

	Toney Treated	Pretinned
WD7100 .312 X .093 X .100	0.12	0.21
WD7125 .312 X .093 X .125	0.14	0.23
WD7135 .312 X .093 X .135	0.14	0.24
WD7150 .312 X .093 X .150	0.15	0.24
WD7165 .312 X .093 X .165	0.15	0.25
WD7185 .312 X .093 X .185	0.16	0.26
WD7200 .312 X .093 X .200	0.17	0.27
WD7215 .312 X .093 X .215	0.17	0.28
WD7230 .312 X .093 X .230	0.19	0.29
WD7250 .312 X .093 X .250	0.20	0.30
WD7265 .312 X .093 X .265	0.22	0.32
WD7281 .312 X .093 X .281	0.22	0.32
WD7312 .312 X .093 X .312	0.23	0.33
	0.00	0.00

## WE SERIES C2/C3 GRADE

	Toney Treated	Pretinned
WE7150 .375 X .093 X .150	0.15	0.24
WE7165 .375 X .093 X .165	0.16	0.26
WE7180 .375 X .093 X .180	0.18	0.27
WE7200 .375 X .093 X .200	0.20	0.30
WE7225 .375 X .093 X .225	0.22	0.33
WE7250 .375 X .093 X .250	0.25	0.35
WE7280 .375 X .093 X .280	0.27	0.37
WE7312 .375 X .093 X .312	0.27	0.38
WE7350 .375 X .093 X .350	0.30	0.41
WE7375 .375 X .093 X .375	0.32	0.44
	0.00	0.00

## WF SERIES C2/C3 GRADE

	Toney Treated	Pretinned
WF7140 .500 X .125 X .140	0.22	0.32
WF7150 .500 X .125 X .150	0.23	0.32
WF7165 .500 X .125 X .165	0.24	0.34
WF7180 .500 X .125 X .180	0.27	0.36
WF7190 .500 X .125 X .190	0.28	0.38
WF7200 .500 X .125 X .200	0.30	0.39
WF7215 .500 X .125 X .215	0.32	0.42
WF7230 .500 X .125 X .230	0.34	0.45
WF7250 .500 X .125 X .250	0.37	0.47
WF7275 .500 X .125 X .275	0.41	0.52
WF7280 .500 X .125 X .280	0.45	0.57
WF7312 .500 X .125 X .312	0.46	0.59
WF7375 .500 X .125 X .375	0.56	0.67
WF7400 .500 X .125 X .400	0.61	0.72
WF7437 .500 X .125 X .437	0.65	0.75
WF7500 .500 X .125 X .500	0.88	0.98
WF7562 .500 X .125 X .562	0.90	1.01
WF7625 .500 X .125 X .625	0.93	1.08
WF7687 .500 X .125 X .687	1.02	1.18
WF7750 .500 X .125 X .750	1.11	1.28



# UNGROUND SAW TIPS CONVENTIONAL STYLE

## WG SERIES C2/C3 GRADE

WG7150 .375 X .125 X .150
WG7165 .375 X .125 X .165
WG7180 .375 X .125 X .180
WG7190 .375 X .125 X .190
WG7200 .375 X .125 X .200
WG7215 .375 X .125 X .215
WG7230 .375 X .125 X .230
WG7250 .375 X .125 X .250
WG7275 .375 X .125 X .275
WG7280 .375 X .125 X .280
WG7312 .375 X .125 X .312
WG7350 .375 X .125 X .350
WG7400 .375 X .125 X .400

Toney Treated	Pretinned
0.19	0.28
0.20	0.29
0.21	0.31
0.22	0.32
0.23	0.32
0.24	0.33
0.25	0.35
0.28	0.37
0.29	0.40
0.30	0.43
0.34	0.44
0.49	0.64
0.56	0.70
0.00	0.00

## Nail Cutting Grade NC15

WG7165-15 .375 X .125 X .165
WG7180-15 .375 X .125 X .180
WG7200-15 .375 X .125 X .200
WG7220-15 .375 X .125 X .220
WG7230-15 .375 X .125 X .230
WG7250-15 .375 X .125 X .250

Toney Treated	Pretinned
0.25	0.35
0.28	0.40
0.28	0.41
0.31	0.44
0.32	0.46
0.35	0.49
0.00	0.00

## WH SERIES C2/C3 GRADE

WH7125 .344 X .125 X .125
WH7150 .344 X .125 X .150
WH7165 .344 X .125 X .165
WH7180 .344 X .125 X .180
WH7200 .344 X .125 X .200
WH7215 .344 X .125 X .215
WH7230 .344 X .125 X .230
WH7240 .344 X .125 X .240
WH7250 .344 X .125 X .250
WH7265 .344 X .125 X .250
WH7300 .344 X .125 X .300

Toney Treated	Pretinned
0.14	0.24
0.17	0.27
0.18	0.28
0.20	0.29
0.21	0.30
0.22	0.32
0.23	0.33
0.24	0.34
0.25	0.35
0.27	0.37
0.32	0.42
0.00	0.00

## WQ SERIES C2/C3 GRADE

WQ7170 .375 X .156 X .170
WQ7200 .375 X .156 X .200
WQ7230 .375 X .156 X .230
WQ7265 .375 X .156 X .265
WQ7300 .375 X .156 X .300
WQ7335 .375 X .156 X .335
WQ7375 .375 X .156 X .375
WQ7400 .375 X .156 X .400
WQ7460 .375 X .156 X .460
WQ7530 .375 X .156 X .530
WQ7625 .375 X .156 X .625

Toney Treated	Pretinned
0.29	0.38
0.30	0.40
0.34	0.45
0.37	0.52
0.46	0.59
0.51	0.63
0.56	0.67
0.61	0.72
0.65	0.75
0.88	1.03
0.93	1.08



## UNGROUND SAW TIPS CONVENTIONAL STYLE

### MISC. STOCK CARBIDE

			Pretinned
Stump Cutter	.180 X .520 X .630	2.22	3.18
Kodiak	.500 Wide	1.99	2.28
Future 2000	.473 Wide	1.99	2.28

#### NOTCHER INDEXABLE TIPS, Grade C1

ST501-1	Rectangle .562X.500	3.85	
ST650-1	Square .650X.650	4.25	
ST301-1	Round 1.000X.300Hole X.312	5.15	

#### NOTCHER INDEXABLE TIPS, NAIL CUTTING NC15

ST501-15	Rectangle .562X.500	5.45	
ST650-15	Square .650X.650	5.45	
ST301-15	Round 1.000X.300Hole X.312	7.05	