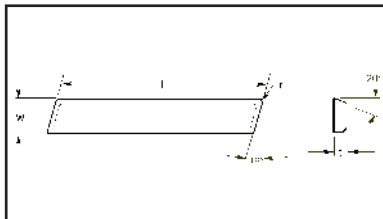


Wood Working

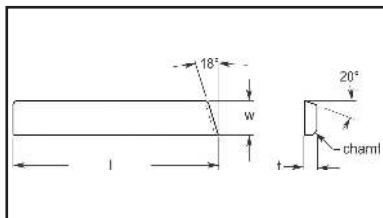
**DEBARKERS
STUMP CUTTERS
SAW TIPS
CHIP SPLITTER**



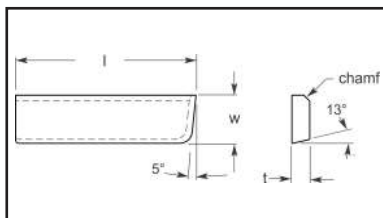
Woodworking Debarbers



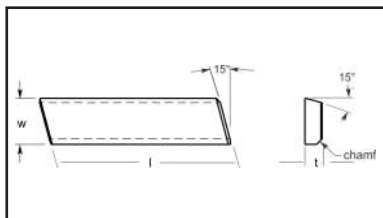
Part No.	Dimensional Specifications			
	t	w	l	r
UWD-15-3LH	.195/.205	.495/.505	2.949/2.979	1/16



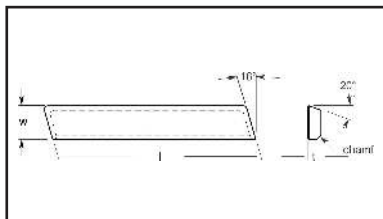
Part No.	Dimensional Specifications			
	t	w	l	r
UWD-11	.183/.193	.495/.505	3.078/3.108	1/16



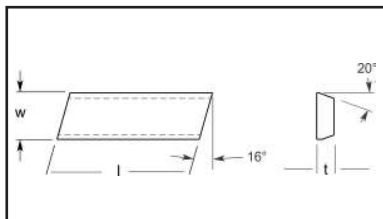
Part No.	Dimensional Specifications			
	t	w	l	chamf
UWD-4	.183/.193	.500/.510	1.890/1.910	.062X45°
UWD-2	.245/.255	.580/.590	2.920/2.950	.062X45°



Part No.	Dimensional Specifications			
	t	w	l	r
UWD-12	.183/.193	.495/.505	1.889/1.919	0



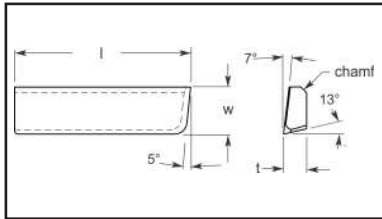
Part No.	Dimensional Specifications			
	t	w	l	r
UWD-13	.195/.205	.495/.505	2.949/2.979	1/16



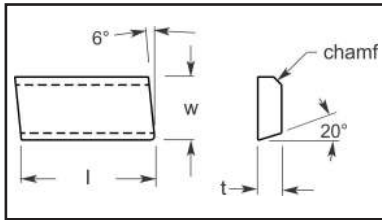
Part No.	Dimensional Specifications			
	t	w	l	r
UWD-14	.120/.130	.331/.341	.990/1.010	0

Debarkers

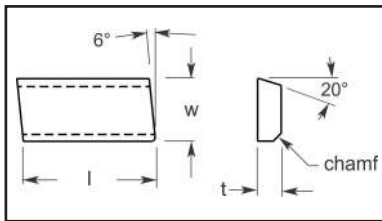
Woodworking Debarkers



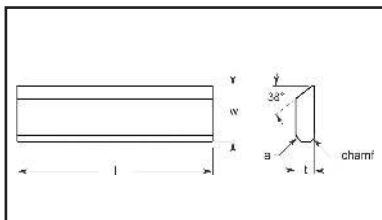
Part No.	Dimensional Specifications			
	t	w	l	chamf
UWD-4X	.244/.254	.500/.510	1.890/1.910	.062X45°
UWD-2X	.347/.357	.580/.590	2.920/2.950	.062X45°



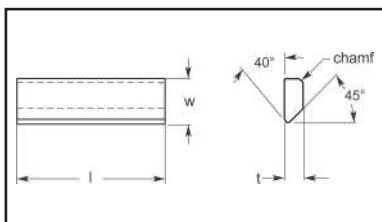
Part No.	Dimensional Specifications			
	t	w	l	chamf
UWD-3	.183/.193	.495/.505	1.043/1.063	.062X45°



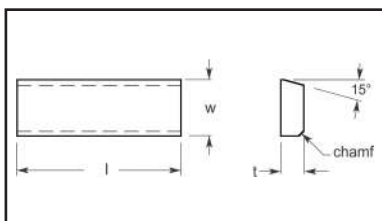
Part No.	Dimensional Specifications			
	t	w	l	chamf
UWD-5	.183/.193	.493/.507	1.660/1.690	.062X45°



Part No.	Dimensional Specifications				
	t	w	l	chamf	a
UWA-1	.177/.197	.553/.573	1.975/2.025	.030 X 45°	.050 X 37°
UWA-2	.177/.197	.640/.660	1.975/2.025	.030 X 45°	.050 X 37°



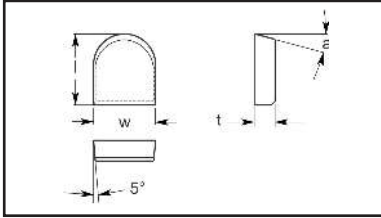
Part No.	Dimensional Specifications			
	t	w	l	chamf
UWA-3	.183/.193	.370/.380	1.865/1.895	.062 X 45°
UWA-3-125THK	.120/.130	.370/.380	1.865/1.895	.062 X 45°



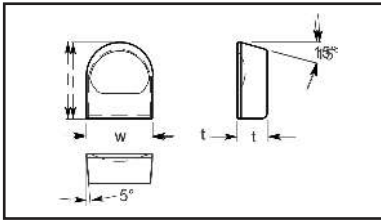
Part No.	Dimensional Specifications			
	t	w	l	chamf
UWA-4	.1825/.1925	.495/.505	1.4275/1.4575	.047 X 45°

Stump Cutters

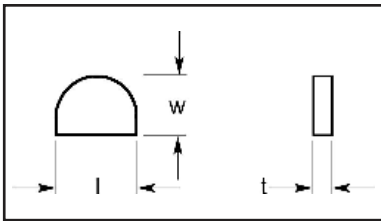
Stump Cutters



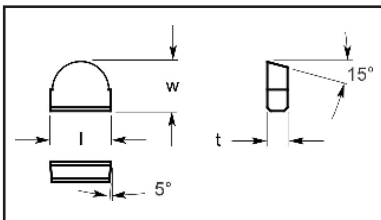
Part No.	Dimensional Specifications			
	t	w	l	a
B11	.179/.183	.535/.545	.630/.640	15°
B20	.179/.183	.535/.550	.630/.640	20°



Part No.	Dimensional Specifications		
	t	w	l
B12	.242/.246	.538/.548	.620/.630



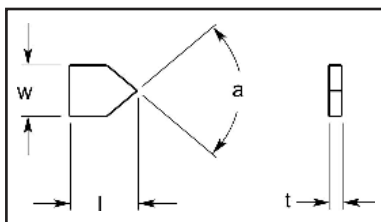
Part No.	Dimensional Specifications		
	t	w	l
DWG#1879-2	.140/.155	.480/.490	.673/.680
SK-1428	.068/.074	.187/.202	.141/.156



Part No.	Dimensional Specifications		
	t	w	l
DWG#U-3730	.179/.183	.535/.545	.435/.445

5000 / 6000 Series

5000 / 6000 Series Rectangles

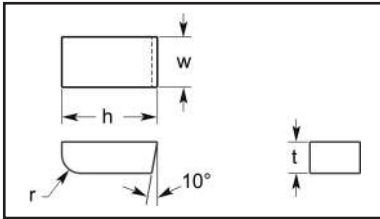


Part No.	Dimensional Specifications			
	t	w	l	a
5030	.063/.078	.225/.240	.313/.328	80°
5080	.101/.107	.314/.320	.365/.371	80°
5100	.101/.107	.365/.371	.512/.518	80°
5200	.137/.143	.512/.518	.512/.518	80°
6100	.101/.107	.365/.371	.512/.518	60°

TURNING
MILLING
GROOVING
DRILLING
THREADING
BRAZED BLANKS
RECTANGLES STB
WOOD WORKING
OIL & GAS MINING
MISC. SHAPES

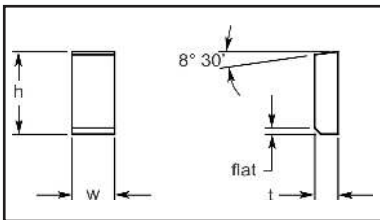
Saw Tip Styles

Saw Tip Style



Part No.	Dimensional Specifications			
	t	h	w	r
DWG#U-3713	.122/.128	.375/.385	.304/.314	.075
DWG#U-3771	.122/.128	.375/.385	.267/.273	.075
125X20X37-SAWTIP	.120/.130	.375/.385	.195/.205	.075
125X27X37-SAWTIP	.120/.130	.375/.385	.265/.275	.075
125X31X37-SAWTIP	.120/.130	.375/.385	.304/.314	.075
177X31X38-SAWTIP	.172/.182	.384/.394	.304/.314	.075
177X34X38-SAWTIP	.172/.182	.384/.394	.333/.343	.075

Saw Tip Style

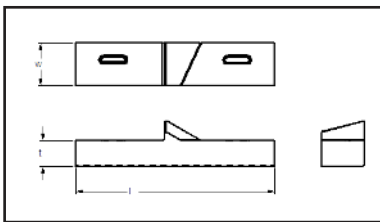


Part No.	Dimensional Specifications			
	t	h	w	flat
109X20X42-SAWTIP	.104/.114	.417/.427	.195/.205	.030X45°

Chip Splitter



Chip Splitter



Part No.	Dimensional Specifications			
	t	w	l	bit
SCORINGBIT	.240/.260	.390/.410	1.860/1.890	.187 X 30°

1000 Series

TURNING

MILLING

GROOVING

DRILLING

THREADING

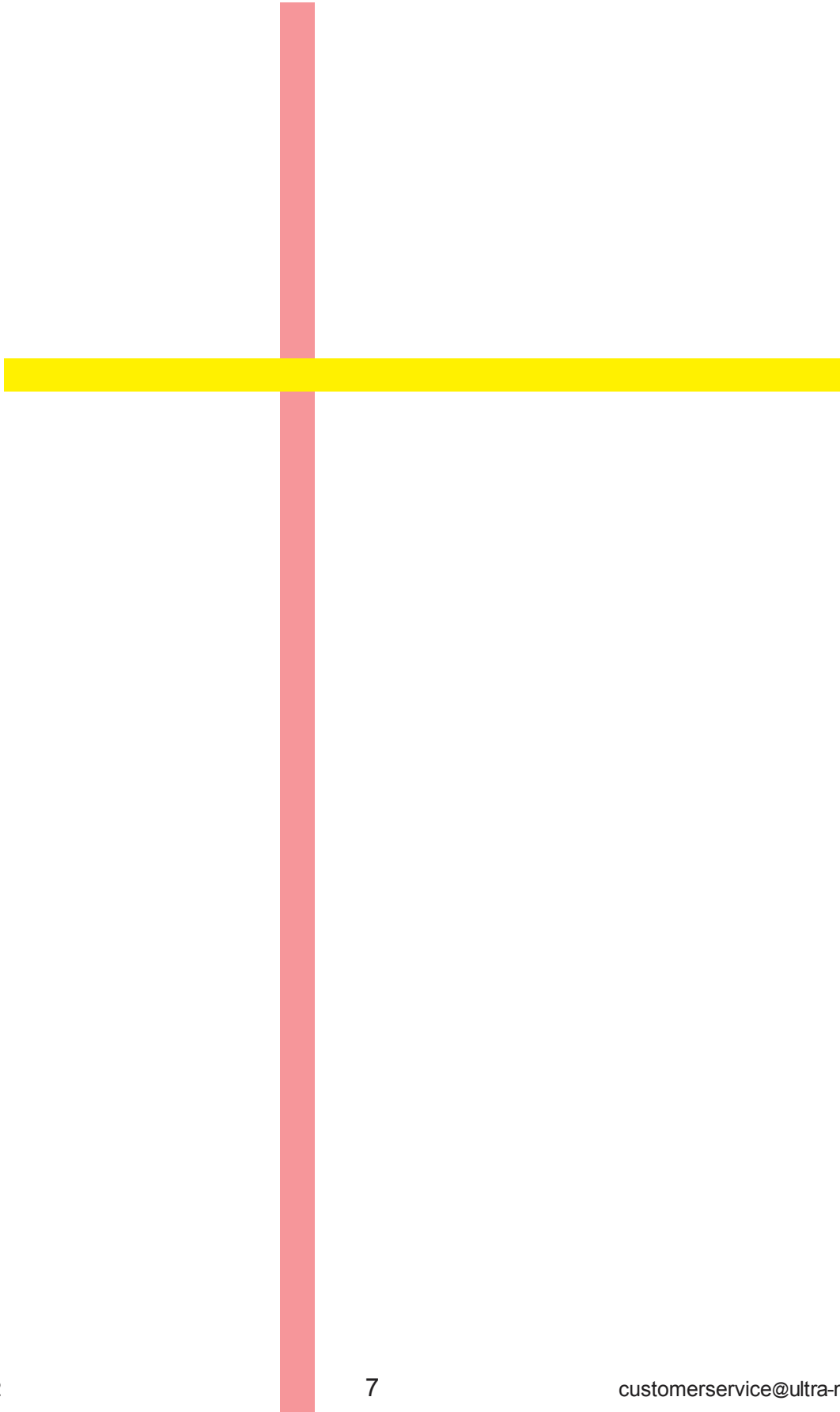
BRAZED
BLANKS

RECTANGLES
STB

WOOD
WORKING

OIL & GAS
MINING

MISC.
SHAPES



TURNING

Ultra-met[®]

carbide technologies

**FABRICATOR & TOOLMAKER
Capabilities Catalog**

1000 Series

MILLING

GROOVING

DRILLING

THREADING

**BRAZED
BLANKS**

**RECTANGLES
STB**

**WOOD
WORKING**

**OIL & GAS
MINING**

**MISC.
SHAPES**