

See "General" discussion of Undercutting Saws on page 10.

TUNGSTEN-CARBIDE SAWS and V-CUTTERS

The teeth of both saws and V-cutters have a slight land to give strength to the cutting edge. Saws are hollow-ground for clearance, V-cutters have ample radial relief. When Carbide Saws are used on other equipment than our undercutters, steel supporting washers are recommended to reduce breakage. Spindle speeds may vary from 3,000 to 12,000 r.p.m., depending on Saw O.D. Martindale Carbide Saw Blades are harder than High Speed Steel Saws, therefore more brittle and should not be subjected to applications where shock may shorten the service life. Use on rigid stationary equipment.

See Undercutters for 9 Martindale Undercutters for use with these saws: Close-Cut, Kut-Kwik, Utility, Bench-Type Model HV-3, Lathe-Type and Super Lathe-Type, Heavy-Duty Bench-Type Model H-9, Industrial Model HA-2, and Model UL Lathe Mounted Automatic.

SAWS ("U"-Slot)

Actual size illustrations; specifications below. Thickness ranges as follows:

1/4" - 9/16" O.D. from .010" to .045" thick
 5/8" - 1-3/8" O.D. from .010" to .065" thick

Be sure to specify thicknesses.

Type Number	O.D.	Hole	No. Teeth	Catalog Number
10-TC	1/4"	1/8"	12	TUNSI0
9-1/2-TC	5/16"	1/8"	14	TUNSI9.5
32-TC	3/8"	1/8"	14	TUNSI32
33-TC	3/8"	3/16"	14	TUNSI33
12-TC	7/16"	1/8"	14	TUNSI12
42-TC	1/2"	1/8"	14	TUNSI42
16-TC	1/2"	3/16"	14	TUNSI16
18-TC	9/16"	1/4"	16	TUNSI18
54-TC	5/8"	1/4"	16	TUNSI54
64-TC	3/4"	1/4"	18	TUNSI64
65-TC	3/4"	5/16"	18	TUNSI65
75-TC	7/8"	5/16"	20	TUNSI75
4-TC	1"	9/32"	20	TUNSI4
84-TC	1"	1/4"	20	TUNSI84
85-TC	1"	5/16"	20	TUNSI85
86-TC	1"	3/8"	20	TUNSI86
95-TC	1-1/8"	5/16"	22	TUNSI95
96-TC	1-1/8"	3/8"	22	TUNSI96
105-TC	1-1/4"	5/16"	24	TUNSI105
106-TC	1-1/4"	3/8"	24	TUNSI106
108-TC	1-1/4"	1/2"	24	TUNSI108
116-TC	1-3/8"	3/8"	24	TUNSI116

COMPOUND-LAND SAWS

The compound-land feature, sketched at right, is available on tungsten-carbide "U"-slot saws 9/16" O.D. and up (#18-TC thru #116-TC) at a 30% premium in price. Because of this feature, each tooth cuts only 50% of full slot width, resulting in better chip clearance, cooler operation and production increases of up to 60% over the square-toothed Saw. To order, add "CL" to Catalog Number. Minimum thickness .015".



V-CUTTERS ("V"-Slot)

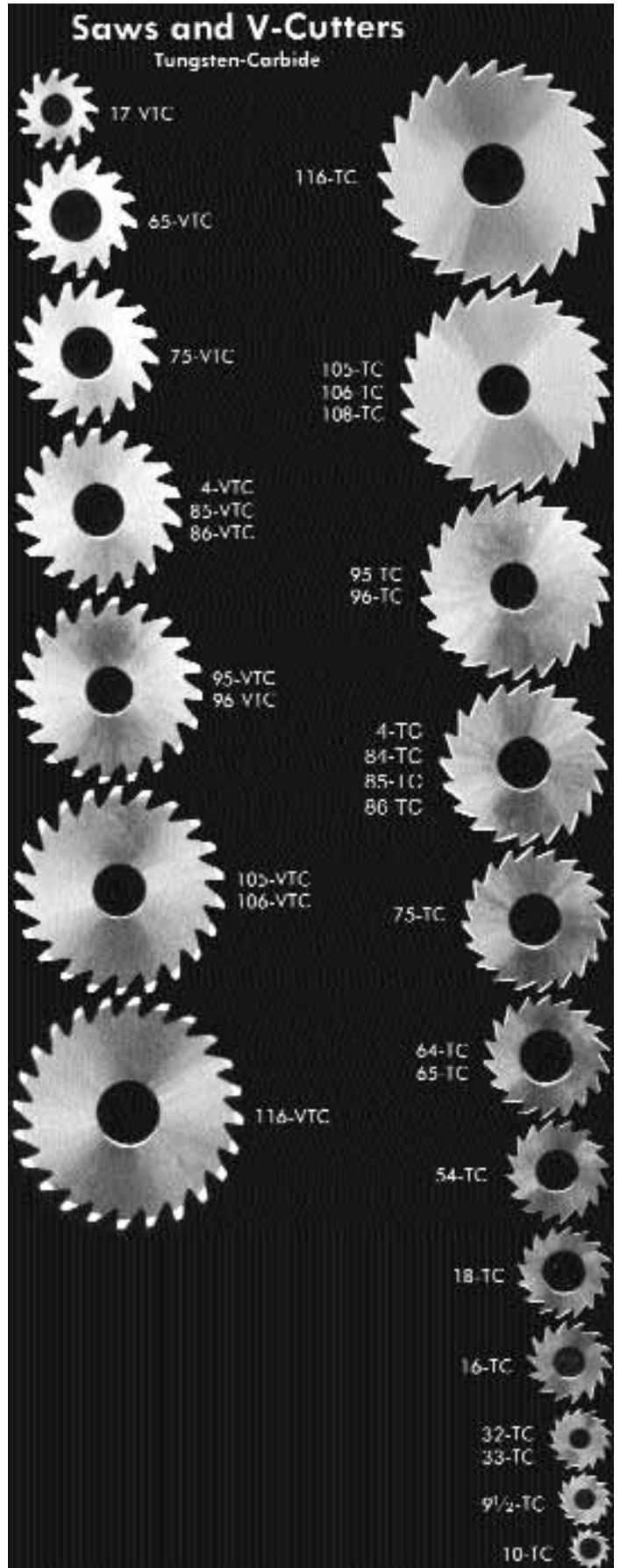
Actual size illustrations; specifications below. Thickness ranges as follows:

1/2" O.D. from .030" to .045" thick
 3/4" - 1-3/8" O.D. from .030" to .065" thick

Angles between cutting edges can be 40°, 50°, and 60°. 40° V-cutters are for thin mica, 50° for medium mica, 60° for thick mica.

Be sure to specify thicknesses and angle, 40°, 50° or 60°.

Type Number	O.D.	Hole	No. Teeth	Catalog Number
42-VTC	1/2"	1/8"	12	TUNSV42
17-VTC	1/2"	3/16"	12	TUNSV17
65-VTC	3/4"	5/16"	14	TUNSV65
75-VTC	7/8"	5/16"	16	TUNSV75
4-VTC	1"	9/32"	18	TUNSV4
85-VTC	1"	5/16"	18	TUNSV85
86-VTC	1"	3/8"	18	TUNSV86
95-VTC	1-1/8"	5/16"	20	TUNSV95
96-VTC	1-1/8"	3/8"	20	TUNSV96
105-VTC	1-1/4"	5/16"	22	TUNSV105
106-VTC	1-1/4"	3/8"	22	TUNSV106
116-VTC	1-3/8"	3/8"	22	TUNSV116



SPECIALS — Your inquiries are invited for sizes not listed on the H.S.S. or Tungsten-Carbide Saw Pages.