

TCT Saw Blade

Standard Hard Metal Saw Blade



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Our TCT Saw Blade (Hard Metal Saw Blade) is the optimum cutting for the billet, seamless pipe, welded pipe, column for construction, rail for railway, parts for Automobile, forging material and so on. We provide with the custom saw blades for corresponding to the individual customer requests such as reducing total cutting cost. Our saw blade is used for the automatic cutting machines such as HELLER, KALTENBACH, ENDO, TSUNE, MITSUYA, WAGNER, LINSINGER, and LAZZARI. We provide with TCT Saw Blade in the range of ϕ 250 to 1600mm diameter.

Diameter (mm)	350	400	710	810	860	960	1000	1120	1160	1250	1400	1600
kerf (mm)	4.0	5.0	6.5	7.0	7.5	8.5	8.5	8.5	8.5	10.0	11.0	11.0
number of tooth	40,44,48,50,54,56,60,64,70,80,90,100,110,120,150,180,200,220,240											

TCT Saw Blade for Milling Cutter

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Saw Blade for Milling Cutter

It is TCT saw blade that is especially designed for cutting of the welded tube, structural column with flying cut-off machine in the mill factory. The cutting cycle time for flying cut-off machine is limited because the flying machine and mill conveyor speed is required to be synchronized. This is why TCT Saw Blade is designed for great performance with high circumference and feed speed. Our cutting technologies respond to those requirements and realize the stable blade life. Not only for new blade also for scrap blade, we deal with sharpening services and keep on proposing better cutting performance. This blade is used with NAKATA(SHINKO), KUSAKABE, MITSUBISHI, SUMITOMO, and THERMATOOL machine.

Customer Information of Milling Cut Off

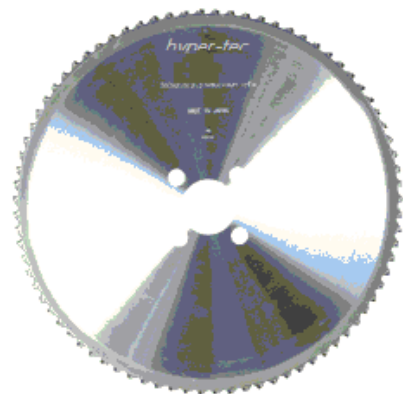
	Material to be cut.		Circumferential Speed V (m/min)	Engaging Feed SZ1(mm) Orbital Feed SZ2 (mm)	Saw Blade Kerf (mm)	Method
	Range	Thickness Quality Tensile Strength (MPa)				
CustomerA	>300~ >450	9~19mm SS400 SM500A	280(t9) 260(t12) 250(t16)	0.10(t9) 0.10(t12) 0.08(t16) 0.18(t9) 0.18(t12) 0.16(t16)	350×48Z 360×40Z 4.1(48Z) 5.4(40Z)	Four Blades
CustomerB	>200~ >450 φ12"~ φ24"	6.4~19mm ≦500	300(t6.9) 280(t10.3) 260(t16) 240(t19)	0.1 0.18	350×48Z 350×64Z 4.3	Four Blades
CustomerC	>100~ >200 φ114.3~ φ267.4	2~12mm ≦550	200~ 400	0.15~0.23 0.13(t<6) 0.23	350×48Z 350×64Z 3.7(48Z) 4.3(64Z)	Two Blades
CustomerD	φ114~ φ406	2~19mm ≦750	200~300	0.05~0.1 0.1~0.18	280×60Z 280×50Z 280×38Z 4.0	Four Blades
CustomerE	>250~ >500 φ220~ φ660	3.5~22mm ≦650	200~ 300	0.05~0.1 0.1~0.18	360×48Z 360×40Z 360×34Z 4.0	Four Blades
CustomerF	>40~ >150 φ42.7~ φ219	2.3~6mm	200~ 400	0.05~0.23 0.23	350×48Z 360×40Z 4.1(48Z) 5.4(40Z)	Two Blades
CustomerG	>200~ >400 φ114.3~ φ508	~16mm	300~ 400	0.05(Pipe) 0.15~0.23(Column) 0.13~0.19(Pipe) 0.13~0.21(Column)	380×52Z 380×70Z 4.5	Four Blades
CustomerH	>150~ >400 φ165.2~ φ406.4	2.3~12.7mm STK, STKR ≦550	300~ 400		380×52Z 380×70Z 4.5	Two Blades
CustomerI	>150~ >400	6~16mm	240	0.18 0.16	380×52Z 380×70Z 4.5	Two Blades
CustomerJ	φ190~ φ609.4	3~19mm	180~280	0.06~ 0.1 0.15~ 0.18	340×34Z 340×48Z 4.3	Four Blades
CustomerK	φ139.7~ φ426 Seamless Pipe	4~50 Carbon Steel, Alloy SUS ≦1125	50~220	0.15max	430×54 5.3 6.0	Two Blades
CustomerL	~6inch	2.3~12.7	400~850	0.15max	320×52Z 320×64Z 320×72Z 3.1	Two Blades
CustomerM	~6inch	2.3~9	700~1000	0.08max	355×72Z 355×90Z 355×120Z 2.3	Two Blades

TCT Saw Blade

Throw-Away TCT Saw Blade

Throw-Away TCT Saw Blade

It is a throw-away type of TCT Saw blade applicable to the cutting of solid bar. The tooth hook and clearance angle are precisely designed and developed by our special technologies. Our throw-away TCT saw blade deal with cutting of automobile parts and forged materials which requires severe cutting controls of section, precision, and running cost. This blade saw can be used with Amada, Noritake, Tsune and Nishizima machine.



Throw-away hard metal saw standard size

Cutting machine	Diameter (mm)	Kerf (mm)	Central bore (mm)	number of tooth	pin holes	cutting capacity (mm)
Tsune	250	2.0	32	54	63x11.5x4	φ40~φ50
				60	63x11.5x4	φ30~φ40
				72	63x11.5x4	φ15~φ30
	280 (285)	2.0	32	54	63x11.5x4	φ50~φ65
				60	63x11.5x4	φ35~φ50
				72	63x11.5x4	φ20~φ35
				80	63x11.5x4	φ15~φ30
	360	2.6	50	60	80x15x4	φ55~φ100
				80	80x15x4	φ30~φ50
100				80x15x4	φ20~φ30	
Noritake-Amada	280	2.0	40	54	80x11x4	φ50~φ65
				60	80x11x4	φ35~φ50
				72	80x11x4	φ20~φ35
				80	80x11x4	φ15~φ30
	360	2.6	40	60	90x11x4	φ55~φ100
				80	90x11x4	φ30~φ50
				100	90x11x4	φ20~φ30
	460	2.7	50	60		
	Nishijima	360	2.6	50	60	80x16x4
80					80x16x4	φ30~φ50
100					80x16x4	φ20~φ30
KASTO	360	2.6	50	60	80x14x4	φ55~φ100
				80	80x14x4	φ30~φ50
				100	80x14x4	φ20~φ30
I.T.E.C.	250	2.0	32	54	63x11.5x4	φ40~φ50
				60	63x11.5x4	φ30~φ40
				72	63x11.5x4	φ15~φ30
	285	2.0	32	54	63x11.5x4	φ50~φ65
				60	63x11.5x4	φ35~φ50

				72	63x11.5x4	φ20-φ35
				80	63x11.5x4	φ15-φ30
	360	2.6	40	60	63x11.5x4	φ55-φ100
				80	63x11.5x4	φ30-φ50
				100	63x11.5x4	φ20-φ30
	425	2.7	50	40	80x16x4	φ80-φ130
				60	80x16x4	φ60-φ80
				80	80x16x4	φ40-φ60
				100	80x16x4	φ20-φ40

TCT Saw Blade

Dry Tip Saw



Dry Tip Saw

Tungsten Carbide Tipped Saw Blade for metalworking.
Strong brazing of Carbide Tips and our exclusive tooth form realized high-speed and completely dry cutting. (without any lubrication)
We have three kinds of blade diameter ϕ 305, 355, 405mm, and it has anti-noise slot and resin filling inside the slot.

Dry Tipped Saw	Diameter×Thckness×Bore×Number of tooth (mm)	Recommended with machines models
DTS1940	192×1.85×20×40	Jepson 8219
DTS1948	192×1.85×20×48	Jepson 8219
DTS3072	305×2.0×25.4×72	Jepson 9312S
DTS3580	355×2.2×25.4×80	Jepson 9314-T2

TCT Saw Blade

Tip Saw for nonferrous metals



TIP SAW for nonferrous metals

The Hyper-Tec Tip Saw Blade is designed for cutting of non-ferrous metal such as aluminum, and copper and also designed as woodworking or resin cutter such as plastics and PVC. The Tip Saw Blade is also manufactured under excellent quality control of every process from hardening to brazing process. Steel Cutters provides custom-made saw blades according to customer requests and suggests the best cutting solutions or selection of tooth form, based on our experience.

Standard size of Tipped saw Diameter×Thickness×Bore×Number of tooth×Tooth form		
203×2.5×25.4×50×D2	255×2.5×25.4×80×D2	305×2.7×25.4×80×D2
305×2.7×25.4×100×D2	355×3.0×25.4×100×D2	405×3.1×25.4×100×D2
405×3.1×25.4×120×D2	455×3.1×25.4×100×D2	455×3.1×25.4×120×D2
455×3.4×25.4×120×D2		

