



MANORAMA INDUSTRIES
Market Leader In Saws





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- **TCT/HSS Circular Saw Blades CNC Grinding Machines**



We would like to introduce ourselves as reputed supplier of TCT Circular saw blades for panel processing & wood working industries also HSS/TCT saw blades for Metal cutting applications, Accessories, Cutting tools in India. Our company has a pool of talent and wealth of experience contributed by professional engineers by covering the potential market to keep pace with the rapid development of the modern high technology. We are a group of professional from related fields with vast experience of industry having worked in different parts of India.

We are Authorized Dealers of following Brands in India to meet the industry demands from

Wood working industries , Metal Cutting industry as we as various industry.

Ø Freud, Italy.

Ø Segmetal, Italy

Ø MI, Cutting tools





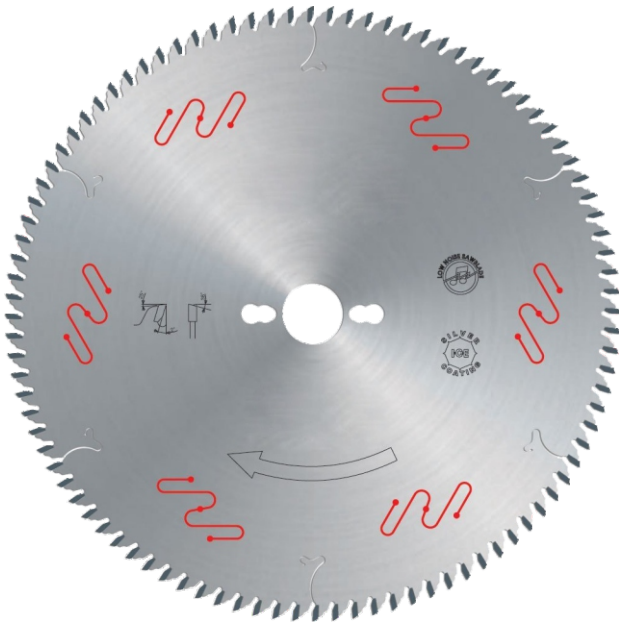
T.C.T. Saw Blade for Panel Processing

Application:

Use for Laminated Panels, Chip Board, M.D.F., Hard Wood & Ply

Machines:

Circular Saws, Table saws & Panel Saws Machine etc.



DIA. (mm)	THICK (mm)	BORE (mm)	TEETH	TOOTH TYPE
250	3.2	30	80	TC pos.
300	3.2	30	72	TC pos.
300	3.2	30	96	TC pos.
350	3.5	30	108	TC pos.
250	3.2	30	48	ATB
300	3.2	30	48	ATB
300	3.2	30	72	ATB
300	3.2	30	96	ATB
350	3.5	30	54	ATB
350	3.5	30	72	ATB
350	3.5	30	108	ATB

T.C.T. Scoring Saw Blade for Panel Processing

Application:

Use for Laminated Panels, Chip Board, M.D.F. & Ply

Machines:

Panel Saws Machine



DIA. (mm)	THICK (mm)	BORE (mm)	TEETH	TOOTH TYPE
100	2.8-3.6	20	12+12	FZ
120	2.8-3.6	20	12+12	FZ
120	2.8-3.6	22	12+12	FZ
120	2.8-4.0	20	24	CON. / WZ
120	2.8-4.0	22	24	CON. / WZ



T.C.T. Saw Blade for Beam Saw Machines



Application:

Use For Laminated Panels, Chip Board, M.d.f.

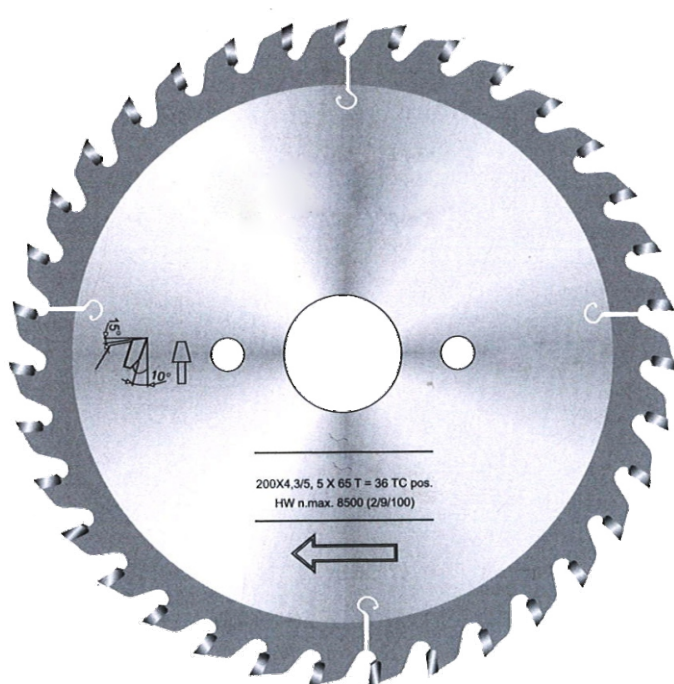
To Size Single Or Multiple Panel Board With High Feed Rate & Long Tool Life

Machines:

Beam Saw Machine

DIA. (mm)	THICK (mm)	BORE (mm)	TEETH	PIN HOLE	TOOTH TYPE
300	4.4	30	72	2/10/60	FZ./TR.
320	4.4	65	72	2/9/110	FZ./TR.
350	4.4	30	72	2/10/60	FZ./TR.
350	4.4	60	72	2/14/100	FZ./TR.
350	4.4	65	72	2/9/110	FZ./TR.
350	4.4	75	72	4/15/105	FZ./TR.
400	4.4	75	72	4/15/105	FZ./TR.
450	4.8	60	72	2/14/125	FZ./TR.

T.C.T. Conical Scoring Saw Blade for Beam Saw Machines



Application:

Use For Chip Free Cutting

To Size Single Or Multiple Panel Board With High Feed Rate & Long Tool Life

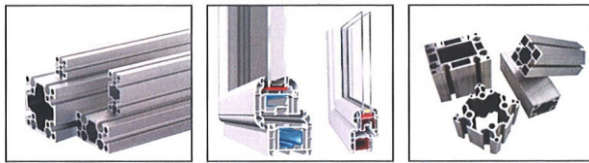
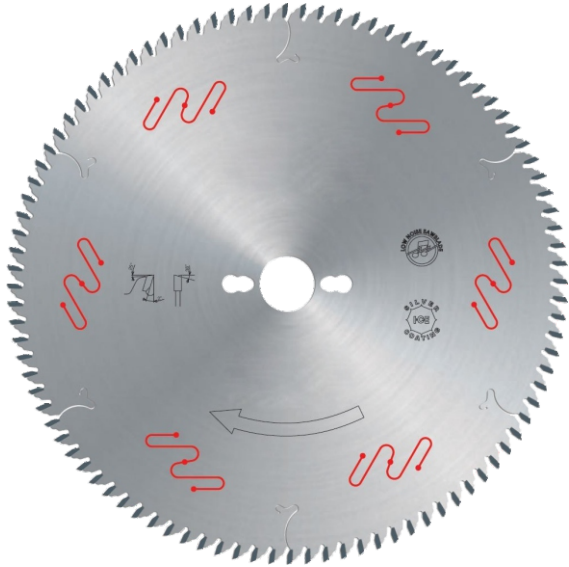
Machines:

Beam Saw Machine
(Mounted on Scoring Unit)

DIA. (mm)	THICK (mm)	BORE (mm)	TEETH	TOOTH TYPE
150	4.3-5.5	30	36	CON. / WZ
150	4.3-5.5	45	36	CON. / WZ
160	4.3-5.5	30	36	CON. / WZ
160	4.3-5.5	45	36	CON. / WZ
180	4.3-5.5	30	36	CON. / WZ
180	4.3-5.5	45	36	CON. / WZ
200	4.3-5.5	45	36	CON. / WZ
200	4.3-5.5	65	36	CON. / WZ
300	4.55	40	72	ATB
300	4.55	50	72	ATB
350	4.55	30	72	FZ/TR
350	4.55	75	72	FZ/TR



T.C.T. Saw Blade for Non-ferrous & UPVC Cutting



Application:

Use for Cutting Aluminum UPVC & Non-ferrous Material

Machines:

Circular Saws, Table saws Single or Double Miter Saws & Panel Saws Machine etc.

DIA. (mm)	THICK (mm)	BORE (mm)	TEETH	PIN HOLE	TOOTH TYPE
250	3.2	30	80	2/10/60	TC neg.
300	3.2	30	96	2/10/60	TC neg.
300	3.2	30	120	2/10/60	TC neg.
350	3.4	30	108	2/10/60	TC neg.
400	4.0	30	96	2/11/63	TC neg.
450	4.0	30	96	2/11/63	TC neg.
450	4.0	30	108	2/11/63	TC neg.
450	4.0	30	120	2/11/63	TC neg.
500	4.2	30	120	2/11/63	TC neg.
530	4.2	30	120	2/11/63	TC neg.

T.C.T. Multi Boring / Hing Drill Bits



T.C.T. Multi Boring Bits (Blind/Through Hole) LH/RH

Application:

Used on laminated material solid wood & plastic

Machines:

Multi Boring & CNC Boring with adaptor or Chuck

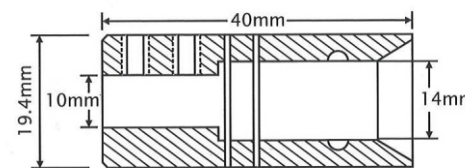
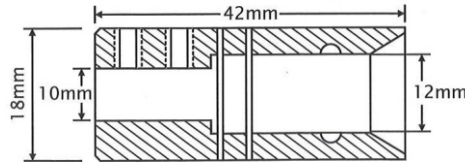
T.C.T. Hing Boring Bits LH/RH

Dia (mm)	OAL (mm)	CL (mm)	Shank (mm)
3	70	35	10x30
4	70	35	10x30
5	70	35	10x30
6	70	35	10x30
7	70	35	10x30
8	70	35	10x30
9	70	35	10x30
10	70	35	10x30
11	70	35	10x30
12	70	35	10x30
15	70	35	10x30

Dia (mm)	OAL (mm)	Shank (mm)
15	70	10x26
16	70	10x26
18	70	10x26
19	70	10x26
20	70	10x26
22	70	10x26
25	70	10x26
30	70	10x26
35	70	10x26
50.8	70	10x26
63.5	70	10x26



Adaptor for Multi Boring Machine



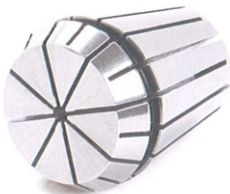
Application:

Use On Multi Boring Machine

D1 (mm)	D2 (mm)	D3 (mm)	OAL (mm)
18	10	12	42

D1 (mm)	D2 (mm)	D3 (mm)	OAL (mm)
19.4	10	14	40

CNC Router Collets

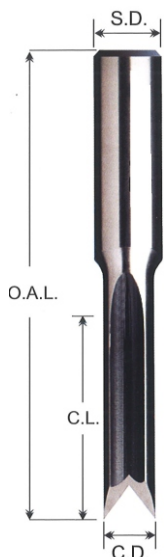


Application:

Use On all CNC Router Machines

INTERNAL DIA. (mm)	ORDER NO. ER.20	INTERNAL DIA. (mm)	ORDER NO. ER.25	INTERNAL DIA. (mm)	ORDER NO. ER.32	INTERNAL DIA. (mm)
3	ER20.03	3	ER25.03	3	ER32.03	3
4	ER20.04	4	ER25.04	4	ER32.04	4
5	ER20.05	5	ER25.05	5	ER32.05	5
6	ER20.06	6	ER25.06	6	ER32.06	6
1/4	ER20.14	1/4	ER25.14	1/4	ER32.07	7
7	ER20.07	7	ER25.07	7	ER32.08	8
8	ER20.08	8	ER25.08	8	ER32.09	9
9	ER20.09	9	ER25.09	9	ER32.10	10
10	ER20.10	10	ER25.10	10	ER32.12	12
--	ER20.11	11	ER25.11	11	ER32.16	16
--	ER20.12	12	ER25.12	12	ER32.18	18
--	ER20.27	12.7	ER25.27	12.7	ER32.20	20

Mortise Bits



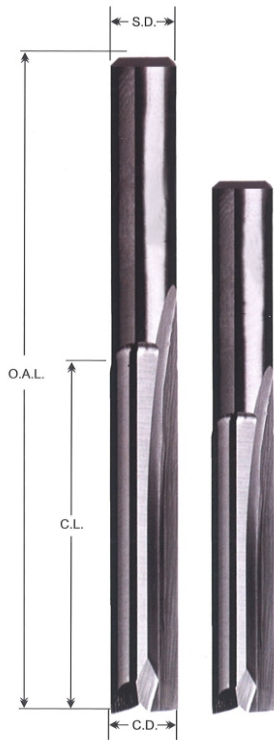
Application:

Use In Hard/Soft Wood for cutting Mortise Slots

C.D. (mm)	C.L. (mm)	N.L. (mm)	S.D. (mm)	O.A.L. (mm)	Z
10	60	20	12/13/16	110	2
12	60	20	12/13/16	110	2
13	60	20	12/13/16	110	2
14	60	20	12/13/16	110	2
15	60	20	12/13/16	110	2
16	60	20	12/13/16	110	2
18	60	20	12/13/16	110	2
19	60	20	12/13/16	110	2
20	60	20	12/13/16	110	2



Solid Carbide Straight Bit for CNC

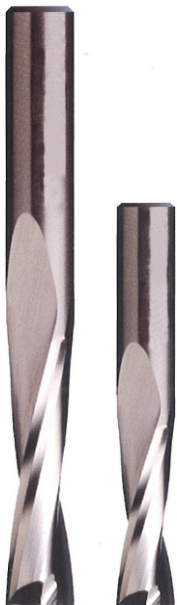


Application:

To Be Used On All Cnc Router For Cutting Solid Wood, MDF, Partical Board & Laminated Ply

C.D. (mm)	S.D. (mm)	C.L. (mm)	O.A.L. (mm)	Z
2	4	08	40	1
3	4	10	50	1
3	4	15	50	2
3	6	10	50	2
3	6	15	50	2
4	4	15	50	2
4	4	20	50	2
4	6	15	50	2
4	5	20	50	2
4	6	20	50	2
5	5	15	50	2
5	5	25	55	2
5	6	15	50	2
5	6	25	55	2
5	8	20	50	2
6	6	20	50	2
6	6	25	55	2
6	6	30	65	2
6	8	25	60	2
6	6	35	70	2
6	6	40	75	2
8	8	25	60	2
8	8	30	65	2
8	8	35	65	2
8	8	40	75	2
8	8	50	100	2
10	10	30	65	2
10	10	40	75	2
10	10	50	100	2
10	10	60	150	2
12	12	30	65	2
12	12	40	75	2
12	12	50	100	2
12	12	60	150	2

Solid Carbide Spiral Bit/End-mill for CNC



Application:

To Be Used On All Cnc Router For Cutting Solid Wood, MDF, Partical Board & Laminated Ply

C.D. (mm)	S.D. (mm)	C.L. (mm)	O.A.L. (mm)	Z
2	3	12	50	2
3	3	15	50	2
4	4	20	55	2
5	5	20	55	2
6	6	22	60	2
8	8	30	60	2
10	10	30	60	2
12	12	30	60	2
14	14	35	75	2
16	16	35	75	2
18	18	35	75	2



Straight Router Bits with changeable Knives

Application:

Can be used on all CNC Machine
and High Speed Router Machine



C.D. (mm)	S.D. (mm)	C.L. (mm)	Z	KNIVES
8	12	20	1	20x4.1x1.1
10	12	30	1	30x5.5x1.1
12	12	30	1	30x5.5x1.1
12	12	50	1	50x5.5x1.1
16	12	30	1	30x5.5x1.1
16	12	50	1	50x5.5x1.1
16	16	30	1	30x5.5x1.1
16	16	50	1	50x5.5x1.1

C.D. (mm)	S.D. (mm)	C.L. (mm)	Z	KNIVES
16	12	30	1+1	30X12X1.5
16	16	30	1+1	30X12X1.5
16	12	50	1+1	50X12X1.7
16	16	50	1+1	50X12X1.7
18	16	50	1+1	50X12X1.7
18	20	50	1+1	50X12X1.7
18	25	50	1+1	50X12X1.7
20	20	50	1+1	50X12X1.7
20	25	50	1+1	50X12X1.7

Flush Trim Bits with changeable Knives

Application:

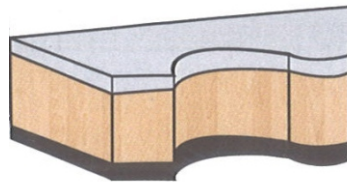
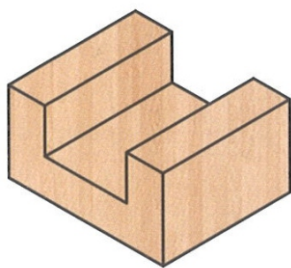
Can be used on all CNC Machine
and High Speed Router for trimming



C.D. (mm)	S.D. (mm)	C.L. (mm)	Z	KNIVES
16	12	30	1+1	30X12X1.5
16	16	30	1+1	30X12X1.5
16	12	50	1+1	50X12X1.7
16	16	50	1+1	50X12X1.7
18	16	50	1+1	50X12X1.7
18	20	50	1+1	50X12X1.7
18	25	50	1+1	50X12X1.7
20	20	50	1+1	50X12X1.7
20	25	50	1+1	50X12X1.7



TCT Brazed Router Bits



Application:

Used on laminated board, plywood
partical board for cutting and grooving

Machines:

All CNC Router, hand router &
hand trimmer machine

Straight Router Bits

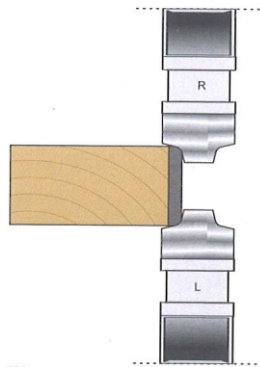
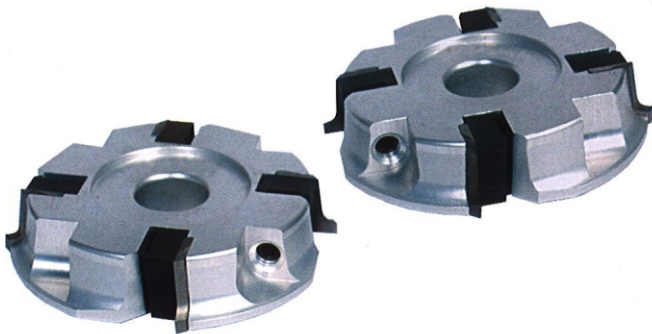
C.D. (mm)	S.D. (mm)	C.L. (mm)	Z
5	6	20	2
6	6	20	2
6	8	20	2
6	12	20	2
7	8	25	2
7	12	25	2
8	6	25	2
8	8	25	2
8	12	25	2
8	12	30	2
8	12	35	2
9	12	30	2
10	6	25	2
10	8	30	2
10	12	20	2
10	12	30	2
10	12	50	2
12	6	25	2
12	8	30	2
12	12	30	2
12	12	38	2
12	12	50	2
12	12	65	2
12	12	75	2
15	12	30	2
16	12	30	2
18	12	30	2
19	12	30	2
20	12	30	2

Flush Trim Bits

C.D. (mm)	C.L. (mm)	S.D. (mm)	Z
6.35	20	6	2
6.35	20	8	2
6.35	20	12	2
9.52	25	6	2
9.52	25	8	2
9.52	30	12	2
9.52	50	12	2
12.7	25	6	2
12.7	30	8	2
12.7	30	12	2
12.7	38	12	2



TCT Changeable Edge Banding Block



Application:

Excellent Quality Knife For Long Tool Life & 4 Wing Cutters For High Quality Performance.

Machines:

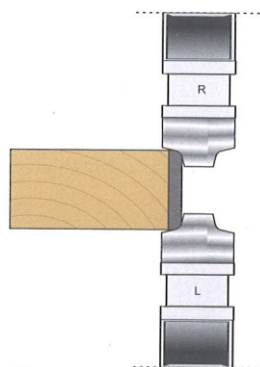
Manual Trim Machine & Edge Bander (Through Feed) Machine

Materials:

Hard Alloy Aluminum Body

DIA. (mm)	RADIUS	BORE (mm)	Z
75	2R	16	4
75	2R	16	4
75	3R	16	4
75	3R	16	4

TCT Brazed Edge Banding Block



Application:

Excellent Quality Carbide Tips For Long Tool Life & with Steel Body For High Quality Performance.

Machines:

Manual Trim Machine & Edge Bander (Through Feed) Machine

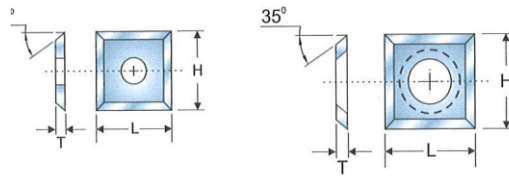
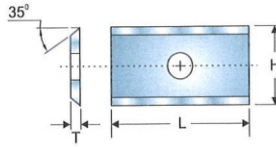
Dia (mm)	Bore (mm)	Thick (mm)	T-2 (mm)	Radius	Z
70	16	16	9	R-2.0	6
70	16	16	9	R-2.0	6
70	16	16	9	R-3.0	6
70	16	16	9	R-3.0	6



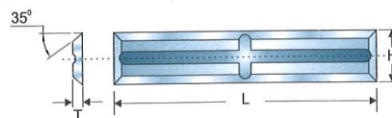
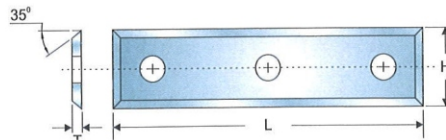
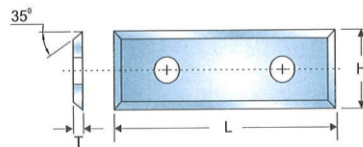
TCT Disposable knives

Application:

Constructed With a high
Hardness Ideal For Universal Use



Screw(M6x15)



TCT Brazed Planner Knife



Size Available(150mm upto 600mm x 3.0 x 30)

Disposable knives With 2 Side Cutting Edge

L (mm)	W (mm)	T (mm)
7.5	12	1.5
9.6	12	1.5
11	12	1.5
15	12	1.5
20	12	1.5

Disposable knives With 4 Side Cutting Edge

L (mm)	W (mm)	T (mm)
12	12	1.5
14	14	1.2
14	14	2.0
14.6	14.6	2.5
15	15	2.5

Disposable knives With 2 Side Cutting Edge

L (mm)	W (mm)	T (mm)
30	12	1.5
40	12	1.5
50	12	1.5
60	12	1.5

Disposable knives With 4 Side Cutting Edge

L (mm)	W (mm)	T (mm)
29.5	9	1.5
29.5	12	1.5
49.5	9	1.5
49.5	12	1.5

Disposable knives With 4 Side Cutting Edge

L (mm)	W (mm)	T (mm)
50	12	1.7

Disposable knives With 4 Side Cutting Edge

L (mm)	W (mm)	T (mm)
20	4.1	1.1
20	5.5	1.1
30	5.5	1.1
40	5.5	1.1
50	5.5	1.1



HSS-DMo5 / Co5% CIRCULAR SAW BLADES

Our saw blades can be supplied bright finish or steam oxide treated or P.V.D. coated. PVD system covers high speed steel blades without altering their structural characteristics, because the coating process is made at lower temperatures than the one used during tempering. Normally the deposited layer is between 2 and 5 microns, important in this phase of coating is the thermal expansion coefficient, the thermal conductivity, the hardness, the thermodynamic stability to elevated temperatures; because from these elements depend the final result.

Steam Treated Execution (Vapo)

This is a controlled oxidation on the blade that makes a layer of iron oxide which increases the self-lubricating capacity and the antifriction of the saw blade giving the following advantages:

Increased ability to retain the coolant and therefore greater heat dissipation during the cutting.
High resistance to the glue, thus reducing the possibility of seizure.
Reduction of friction coefficients with increasing of the performances.
Recommended blade on manual cut-off machine.

Multicoated Tich / Red Baron

This coating is a particular evolution of the TiCN coating. It is obtained by a deposit of titanium carbonitride with the addition of acetylene. This combination gives to the blade a very low coefficient of friction combined with a very high hardness of the blade which ensures high performance with an excellent cut finishing even at high cutting parameters. It is particularly suitable for cutting carbon steel, stainless steel, high alloy steels as well as for cutting titanium, copper, bronze, brass and aluminium.



COATING FEATURES
Surface hardness: 900 HV
Friction coefficient: 0,60

COATING FEATURES

Colour Red-orange
Hardness 3200 Vickers (HV 0,05)
Max Oxidation Temperature 480 °C
Tenaciousness High
Resistance High to adhesive and abrasive hardwearing
Adhesion High to the surface of the machine tool
Thickness of the Coating From 2,5 to 3 micron
Steel friction coefficient 0,20

Selection of Coating

Material to be cut	Recommended coating	
	With coolant	Dry or misting / Spray
Low alloy steel	TIN	TIALN
Medium hard alloy steel	TICN / RED BARON	TIALN
Hard steel	TICN / TIALN	TIALN / S-TIALN
Stainless steel	TICN / TIALN	TIALN / S-TIALN
Cast iron	TIALN	TIALN
Inconel	TIALN	TIALN / S-TIALN
Titanium	TIALN	TIALN
Nickel	-	TIALN
Copper	RED BARON	RED BARON
Bronze	RED BARON	RED BARON
Brass	RED BARON	RED BARON
Aluminium	RED BARON	RED BARON

TCT & Cermet Tipped Circular Saw Blades for Metal Cutting

Application:

Throw-away Saw Blades Suitable for cutting
Low/ Medium/ High Solid Steel Sections



Diameter mm	S1/S2	Centre bore mm	Z
250	2,0/1,70	32/40	54 - 60 - 72 - 80
285	2,0/1,75	32/40	60 - 72 - 80
315	2,5/2,25	32/40/50	60 - 72 - 80
360	2,6/2,25	40/50	60 - 80 - 100
425	2,7/2,25	50	60 - 80 - 100
460	2,7/2,25	50	60 - 80 - 100



HSS-DMo5 / Co5% CIRCULAR SAW BLADES

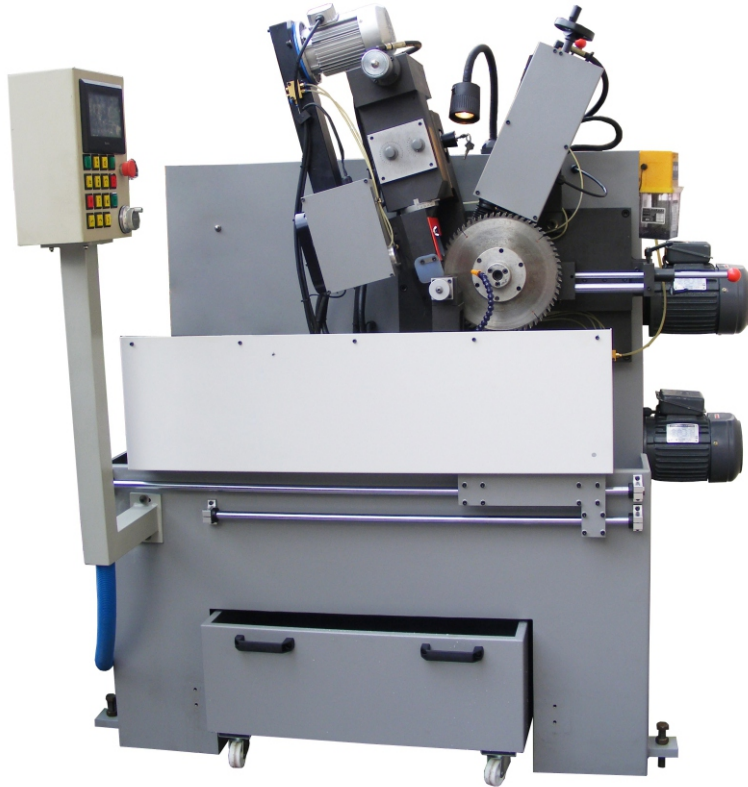
Standard sizes and toothing

Dimensions mm	Centre bore mm	Hub mm	Pitch, tooth form and number of teeth															
			T 1,5 A	T 2,5 A-Bw	T 3 Bw	T 4 Bw	T 4,5 Bw	T 5 C	T 5,5 C	T 6 C	T 7 C	T 8 C	T 9 C	T 10 C	T 12 C	T 14 C	T 16 C	T 18 C
			Corresponding number of teeth															
175 x 1.2	32	75	360	220	180	140	120	110	100	90	80	70	60					
175 x 1.5	32	75	360	220	180	140	120	110	100	90	80	70	60					
175 x 2.0	32	75	360	220	180	140	120	110	100	90	80	70	60					
200 x 1.0	32	100	420	250	200	160	140	130	120	100	90	80	70	60				
200 x 1.2	32	100	420	250	200	160	140	130	120	100	90	80	70	60				
200 x 1.5/1.6	32	90	420	250	200	160	140	130	120	100	90	80	70	60				
200 x 1.8	32	90	420	250	200	160	140	130	120	100	90	80	70	60				
200 x 2.0	25.4/ 32	90	420	250	200	160	140	130	120	100	90	80	70	60				
200 x 2.5	32	90	420	250	200	160	140	130	120	100	90	80	70	60				
210 x 2.0	32	90	440	260	210	160	144	130	120	110	94	80	74	66				
225 x 1.2	32	100	470	280	220	180	160	140	128	120	100	90	80	70	60			
225 x 1.5/1.6	32	90	470	280	220	180	160	140	128	120	100	90	80	70	60			
225 x 1.8	32/ 40	90	470	280	220	180	160	140	128	120	100	90	80	70	60			
225 x 1.9/2.0	32/ 40	90	470	280	220	180	160	140	128	120	100	90	80	70	60			
225 x 2.5	32/ 40	90	470	320	220	180	160	140	128	120	100	90	80	70	60			
250 x 1.0	32	100	520	320	250	200	180	160	140	128	110	100	90	80	66			
250 x 1.2	25.4/ 32	100	520	320	250	200	180	160	140	128	110	100	90	80	66			
250 x 1.5/1.6	32	100	520	320	250	200	180	160	140	128	110	100	90	80	66			
250 x 2.0	25.4/ 32/ 40	100	520	320	250	200	180	160	140	128	110	100	90	80	66			
250 x 2.5	25.4/ 32/ 40	100	520	320	250	200	180	160	140	128	110	100	90	80	66			
250 x 3.0	32/ 40	100	520	320	250	200	180	160	140	128	110	100	90	80	66			
275 x 1.2	32	100	340	280	220	200	180	160	140	120	110	96	90	70	60			
275 x 1.6	32/ 40	100	340	280	220	200	180	160	140	120	110	96	90	70	60			
275 x 2.0	32/ 40	100	340	280	220	200	180	160	140	120	110	96	90	70	60			
275 x 2.5	25.4/ 32/ 40	100	340	280	220	200	180	160	140	120	110	96	90	70	60			
275 x 3.0	32/ 40	100	340	280	220	200	180	160	140	120	110	96	90	70	60			
300 x 1.6	32/ 40	100	380	300	220	210	180	170	160	140	120	104	90	80	68			
300 x 2.0	32/ 40	100	380	300	220	210	180	170	160	140	120	104	90	80	68			
300 x 2.5	32/ 38/ 40	100	380	300	220	210	180	170	160	140	120	104	90	80	68			
300 x 3.0	32/ 40	100	380	300	220	210	180	170	160	140	120	104	90	80	68			
315 x 1.6	32/ 40	100	400	300	240	220	200	180	160	140	120	110	100	80	70	60		
315 x 1.8	32/ 40	100	400	300	240	220	200	180	160	140	120	110	100	80	70	60		
315 x 2.0	32/ 40	100	400	300	240	220	200	180	160	140	120	110	100	80	70	60		
315 x 2.5	32/ 40	100	400	300	240	220	200	180	160	140	120	110	100	80	70	60		
315 x 3.0	32/ 40	100	400	300	240	220	200	180	160	140	120	110	100	80	70	60		
315 x 3.5	32/ 40	100	400	300	240	220	200	180	160	140	120	110	100	80	70	60		
325 x 2.0	32/ 40	120	410	320	250	220	200	190	170	150	128	110	100	80	72	64		
325 x 2.5	32/ 40	120	410	320	250	220	200	190	170	150	128	110	100	80	72	64		
325 x 3.0	40	120	410	320	250	220	200	190	170	150	128	110	100	80	72	64		
350 x 1.8	32/ 40/ 50	120	440	350	280	240	220	200	180	160	140	120	110	90	80	70	60	
350 x 2.0	32/ 40/ 50	120	440	350	280	240	220	200	180	160	140	120	110	90	80	70	60	
350 x 2.5	32/ 40/ 50	120	440	350	280	240	220	200	180	160	140	120	110	90	80	70	60	
350 x 3.0	32/ 40/ 50	120	440	350	280	240	220	200	180	160	140	120	110	90	80	70	60	
350 x 3.5	32/ 40/ 50	120	440	350	280	240	220	200	180	160	140	120	110	90	80	70	60	
370 x 2.5	32/ 40/ 50	120	380	280	260	220	210	190	160	140	120	110	96	80	70	64		
370 x 3.0	32/ 40/ 50	120	380	280	260	220	210	190	160	140	120	110	96	80	70	64		
370 x 3.5	40	120	380	280	260	220	210	190	160	140	120	110	96	80	70	64		
400 x 2.2	40/ 50	130 x 2.5	310	280	250	230	200	180	160	140	120	100	90	80	70			
400 x 2.5	32/ 40/ 50	120	310	280	250	230	200	180	160	140	120	100	90	80	70			
400 x 3.0	32/ 40/ 50	120	310	280	250	230	200	180	160	140	120	100	90	80	70			
400 x 3.5	40/ 50	120	310	280	250	230	200	180	160	140	120	100	90	80	70			
400 x 4.0	50	120	310	280	250	230	200	180	160	140	120	100	90	80	70			
425 x 2.5	40/ 50	120	320	300	260	240	220	190	160	150	130	110	96	84	70			
425 x 3.0	40/ 50	120	320	300	260	240	220	190	160	150	130	110	96	84	70			
425 x 3.5	40/ 50	120	320	300	260	240	220	190	160	150	130	110	96	84	70			
425 x 4.0	50	120	320	300	260	240	220	190	160	150	130	110	96	84	70			
450 x 2.5	40/ 50	130	350	320	280	260	230	200	180	160	140	120	100	90	80			
450 x 3.0	40/ 50	130	350	320	280	260	230	200	180	160	140	120	100	90	80			
450 x 3.5	40/ 50	130	350	320	280	260	230	200	180	160	140	120	100	90	80			
450 x 4.0	40/ 50	130	350	320	280	260	230	200	180	160	140	120	100	90	80			
500 x 3.0	40/ 50	130	380	350	310	280	260	220	200	170	160	130	110	100	90			
500 x 3.5	40/ 50	130	380	350	310	280	260	220	200	170	160	130	110	100	90			
500 x 4.0	40/ 50	130	380	350	310	280	260	220	200	170	160	130	110	100	90			
500 x 5.0	40/ 50	130	380	350	310	280	260	220	200	170	160	130	110	100	90			
525 x 3.5	50	140	410	360	330	300	270	230	210	180	164	130	110	104	90			
525 x 4.0	50	140	410	360	330	300	270	230	210	180	164	130	110	104	90			
550 x 3.5	50/ 90/ 140	140/ 200/ 225	430	380	340	310	280	250	220	190	170	140	120	110	90			
550 x 4.0	50/ 90/ 140	140/ 200/ 225	430	380	340	310	280	250	220	190	170	140	120	110	90			
550 x 5.0	50/ 90/ 140	140/ 200/ 225	430	380	340	310	280	250	220	190	170	140	120	110	90			
570 x 4.0	50	180	450	400	360	320	300	260	220	200	180	150	120	110	100			
570 x 5.0	50	180	450	400	360	320	300	260	220	200	180	150	120	110	100			
600 x 4.0	50/ 90/ 140	200/ 225	460	420	380	340	320	270	240	210	190	160	130	120	100			
600 x 5.0	50/ 90/ 140	200/ 225	460	420	380	340	320	270	240	210	190	160	130	120	100			
620 x 4.0	140	225	480	430	390	350	320	280	240	220	190	160	140	120	110			
620 x 5.0	140	225	480	430	390	350	320	280	240	220	190	160	140	120	110			

Special Note: Standard items are ready stock rest item delivery is 6 weeks.



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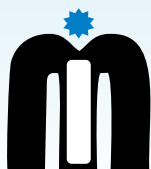
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