

10 7300

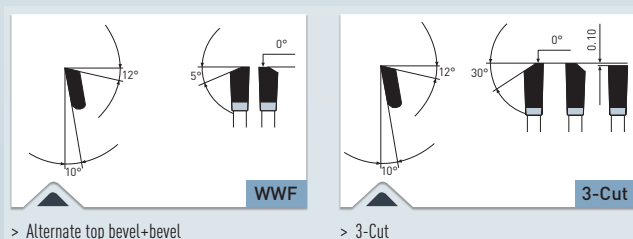
Dry-Cutter stainless


☒ OPTIMAL ☒ GOOD ☒ POSSIBLE

☒  Stainless steel

APPLICATION

Focus is the sawing of profiles and sheets in stainless steel with a tensile strength up to 700 N/mm² and wall thickness up to 4 mm



MACHINE

For portable machines, cross-cut saws, panel and sizing saws, mitre saws, table and radial arms saws, battery-driven saws and suitable also for so-called DRY CUTTER machines with reduced speeds such as: JEPSON, RIDGID, ELU, RYOBI...

Ø 136-150 mm = 4000-3600 rpm

Ø 160-200 mm = 3500-3000 rpm

Ø 210-250 mm = 2800-1900 rpm

Ø 260-330 mm = 1800-1500 rpm

Ø 350-400 mm = 1400-1000 rpm

Ø 420-500 mm = 900-700 rpm

For steel, it is beneficial to work at reduced speeds (see table above). Use of cutting spray or Mecut wax increases the service life (coolants see from page 1364).

Please pay attention to absolutely stable/complete and vibration-free clamping of the work piece. Failure to observe leads to tooth breakage/increased wear. Recommendations can be found on page 1067.

Art.						
10 7300 136 010	• 136	1.6/1.20	20/10	36 WWF	2-6-32	-
10 7300 160 010	• 160	1.8/1.40	20/16	40 WWF	2-6-32	-
10 7300 180 010	• 180	1.8/1.40	30/20	44 WWF	UNI 1	-
10 7300 185 010	• 185	1.8/1.40	20/16	44 WWF	2-6-32	-
10 7300 190 010	• 190	1.8/1.40	30/20	48 WWF	UNI 1	-
10 7300 200 010	• 200	2.0/1.6	30	48 WWF	UNI 1	-
10 7300 210 010	• 210	2.0/1.6	30	54 WWF	UNI 1	-
10 7300 216 010	• 216	2.0/1.6	30	54 WWF	UNI 1	-
10 7300 230 010	• 230/235	2.0/1.6	30/25.4	56 WWF	UNI 1	-
10 7300 250 010	• 250	2.2/1.8	30/25.4	60 / 3-Cut	UNI 1 + UNI 2	✓
10 7300 260 010	• 260	2.2/1.8	30	72 / 3-Cut	UNI 1 + UNI 2	✓
10 7300 270 010	• 270	2.2/1.8	30	72 / 3-Cut	UNI 1 + UNI 2	✓
10 7300 300 010	• 300	2.2/1.8	30	72 / 3-Cut	UNI 1 + UNI 2	✓
10 7300 305 010	• 305	2.2/1.8	25.4	72 / 3-Cut	-	✓
10 7300 320 010	• 320	2.2/1.8	30/25.4	84 / 3-Cut	UNI 1 + UNI 2	✓
10 7300 330 010	• 330	2.2/1.8	32/30	84 / 3-Cut	UNI 2	✓
10 7300 350 010	• 350	2.2/1.8	30	84 / 3-Cut	UNI 1 + UNI 2	✓
10 7300 355 010	• 355	2.2/1.8	25.4	84 / 3-Cut	-	✓
10 7300 400 010	• 400	2.6/2.2	30	90 / 3-Cut	UNI 1 + UNI 2	✓
10 7300 420 010	• 420	2.6/2.2	30	96 / 3-Cut	UNI 1 + UNI 2	✓
10 7300 450 010	• 450	2.8/2.4	30	108 / 3-Cut	UNI 1 + UNI 2	✓
10 7300 500 010	• 500	3.0/2.6	30	120 / 3-Cut	UNI 1 + UNI 2	✓

UNI 1 = 2-7-42 + 2-9-46.4 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64 • Manufactured 232.50 mm

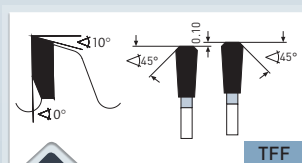
% Sale item. While stocks last.

Movie



Dry-Cutter sandwich

10 7400

BEST
SELLER

> Triple-chip / triple-chip teeth

MACHINE

For portable machines, cross-cut saws, panel and sizing saws, mitre saws, table and radial arms saws, battery-driven saws and suitable also for so-called DRY CUTTER machines with reduced speeds such as: JEPSON, RIDGID, ELU, RYOBI...

Ø 136-150 mm = 4000-3600 rpm

Ø 160-200 mm = 3500-3000 rpm

Ø 210-250 mm = 2800-1900 rpm

Ø 260-330 mm = 1800-1500 rpm

Ø 350-400 mm = 1400-1000 rpm

Ø 420-500 mm = 900-700 rpm

For steel, it is beneficial to work at reduced speeds (see table above). Use of cutting spray or Mecut wax increases the service life (coolants see from page 1364).

Please pay attention to absolutely stable/complete and vibration-free clamping of the work piece. Failure to observe leads to tooth breakage/ increased wear. Recommendations can be found on page 1067.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Thin iron sheets, sandwich material, composites
✓		Mild steel
✓		Non ferrous materials like aluminium, copper, brass
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

Focus is on the cutting thin-walled sheet metal/steel profiles up to 3 mm wall thickness. Great for sandwich materials with thin layers of steel/aluminium/plastics of about 0.2-1 mm.

Also highly suitable for cutting sheets/profiles from non-ferrous metals (Aluminium, copper, brass) and plastics up to 5 mm wall thickness.

Please pay attention to absolutely stable/complete and vibration-free clamping of the work piece. Failure to observe leads to tooth breakage/ increased wear. Recommendations can be found on page 1067.

Bestseller – price reduced

Art.						
10 7400 136 010	• 136	1.6/1.2	20/10	38 TFF	2-6-32	-
10 7400 160 010	• 160	1.8/1.4	20/16	42 TFF	2-6-32	-
10 7400 180 010	• 180	1.8/1.4	30/20	48 TFF	UNI 1	-
10 7400 185 010	• 185	1.8/1.4	20/16	48 TFF	2-6-32	-
10 7400 190 010	• 190	1.8/1.4	30	48 TFF	UNI 1	-
10 7400 200 010	• 200	2.0/1.6	30	54 TFF	UNI 1	-
10 7400 210 010	• 210	2.0/1.6	30	54 TFF	UNI 1	-
10 7400 216 010	• 216	2.0/1.6	30	54 TFF	UNI 1	-
10 7400 230 010	• 230/235	2.0/1.6	30/25.4	54 TFF	UNI 1	-
10 7400 250 010	• 250	2.2/1.8	30/25.4	72 TFF	UNI 1 + UNI 2	✓
10 7400 255 010	• 255	2.2/1.8	25.4	72 TFF	-	✓
10 7400 260 010	• 260	2.2/1.8	30	72 TFF	UNI 1 + UNI 2	✓
10 7400 270 010	• 270	2.2/1.8	30	72 TFF	UNI 1 + UNI 2	✓
10 7400 300 010	• 300	2.2/1.8	30	84 TFF	UNI 1 + UNI 2	✓
10 7400 305 010	• 305	2.2/1.8	25.4	84 TFF	-	✓
10 7400 320 010	• 320	2.2/1.8	30/25.4	96 TFF	UNI 1 + UNI 2	✓
10 7400 330 010	• 330	2.2/1.8	32/30	96 TFF	UNI 2	✓
10 7400 350 010	• 350	2.2/1.8	30	100 TFF	UNI 1 + UNI 2	✓
10 7400 355 010	• 355	2.2/1.8	25.4	100 TFF	-	✓
10 7400 400 010	• 400	2.6/2.0	30	110 TFF	UNI 1 + UNI 2	✓
10 7400 420 010	• 420	2.6/2.0	30	110 TFF	UNI 1 + UNI 2	✓
10 7400 450 010	• 450	2.8/2.4	30	120 TFF	UNI 1 + UNI 2	✓
10 7400 500 010	• 500	3.0/2.6	30	130 TFF	UNI 1 + UNI 2	✓

UNI 1 = 2-7-42 + 2-9-46.4 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64 • Manufactured 232.50 mm

• Sale item. While stocks last.

Movie



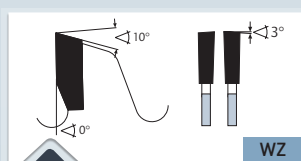
1069



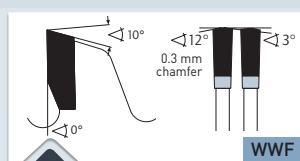
Index

10 8055

Angle Grinder + Brutal disposable saw blades



> Alternate top bevel



> Alternate top bevel+bevel

MACHINE

For portable machines, cross-cut saws, panel and sizing saws, mitre saws, table and radial arms saws, battery-driven saws and suitable also for so-called DRY CUTTER machines with reduced speeds such as: JEPSON, RIDGID, ELU, RYOBI...

Ø 160-200 mm = 3500-3000 rpm

Ø 210-250 mm = 2800-1900 rpm

Ø 260-305 mm = 1800-1500 rpm

Ø 350-400 mm = 1500-1000 rpm

For steel, it is beneficial to work at reduced speeds (see table above). Use of cutting spray or Mecut wax increases the service life (for cutting oils, see from page 1364)

10 8056

*



Blade diameter 120 mm suitable for angle grinder diameter 115-125 mm.

Use in Europe only permitted with protection cover (delivered completely with spindle nut, open-faced spanner, exhaust socket and operating instructions).



✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Mild steel
✓		Non ferrous materials like aluminium, copper, brass
✓		Thin iron sheets, sandwich material, composites
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Wood with inclusions like nails, clips, concrete residues
✓		Soft wood, hard wood, and exotic wood along the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Veneers
✓		Profiled wood
✓		Autoclaved aerated concrete blocks
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material

APPLICATION

Brutal disposable saw blades for sawing 'almost' any material. Ideal for construction and crafts. The low cutting width leads to little cutting wastage and cutting resistance. Therefore also ideal for battery-powered machines.

Lowest tooth number:

For fast cutting of all kinds of woods (also with nails, clamps, plastics, non-ferrous metals. Coarse cut.

Medium tooth number:

For cutting of all specified materials. Medium cutting quality (for cutting of mild steels, non-ferrous metals, we recommend the highest number of teeth).

Highest tooth number:

For cutting of all specified materials. Preferably for all metals like mild steels, aluminium and other non-ferrous metals.

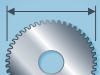
Movie



Angle Grinder + Brutal disposable saw blades

10 8055

Bestseller – price reduced

Art.					
10 8055 120 003	• 120				
10 8055 120 005	• 120		2.0/1.4	20	14 WZ
10 8055 120 007	• 120		2.0/1.4	20	24 WZ
10 8055 120 010	• *120	See Cover  1070	2.0/1.4	20	40 WWF
10 8055 120 020	• *120		2.0/1.4	25.4/22	14 WZ
10 8055 120 030	• *120		2.0/1.4	25.4/22	24 WZ
10 8055 136 010	• 136		2.0/1.4	20/10	40 WWF
10 8055 136 020	• 136		2.0/1.4	20/10	16 WZ
10 8055 136 030	• 136		2.0/1.4	20/10	30 WZ
10 8055 160 010	• 160		2.0/1.4	20/16	40 WWF
10 8055 160 020	• 160		2.0/1.4	20/16	18 WZ
10 8055 160 030	• 160		2.0/1.4	20/16	30 WZ
10 8055 165 010	• 165		2.0/1.4	20	40 WWF
10 8055 165 020	• 165		2.0/1.4	20	18 WZ
10 8055 165 030	• 165		2.0/1.4	20	30 WZ
10 8055 180 005	• 180		2.2/1.6	22.22	40 WWF
10 8055 180 010	• 180		2.0/1.4	30/22/20	10 WZ
10 8055 180 020	• 180		2.0/1.4	30/22/20	20 WZ
10 8055 180 030	• 180		2.0/1.4	30/22/20	34 WZ
10 8055 185 010	• 185		2.0/1.4	20/16	48 WWF
10 8055 185 020	• 185		2.0/1.4	20/16	20 WZ
10 8055 185 030	• 185		2.0/1.4	20/16	34 WZ
10 8055 190 010	• 190		2.0/1.4	30	48 WWF
10 8055 190 020	• 190		2.0/1.4	30	20 WZ
10 8055 190 030	• 190		2.0/1.4	30	34 WZ
10 8055 210 010	• 210		2.0/1.4	30	48 WWF
10 8055 210 020	• 210		2.0/1.4	30	22 WZ
10 8055 210 030	• 210		2.0/1.4	30	36 WZ
10 8055 216 010	• 216		2.0/1.4	30	48 WWF
10 8055 216 020	• 216		2.0/1.4	30	24 WZ
10 8055 216 030	• 216		2.0/1.4	30	36 WZ
10 8055 225 010	• 225		2.0/1.4	30	48 WWF
10 8055 225 020	• 225		2.0/1.4	30	24 WZ
10 8055 225 030	• 225		2.0/1.4	30	36 WZ
10 8055 230 010	• 230/235		2.0/1.4	30/22	48 WWF
10 8055 230 020	• 230/235		2.0/1.4	30/22	24 WZ
10 8055 230 030	• 230/235		2.0/1.4	30/22	36 WZ
10 8055 250 010	• 250		2.4/1.8	30/25.4	48 WWF
10 8055 250 020	• 250		2.4/1.8	30/25.4	24 WZ
10 8055 250 030	• 250		2.4/1.8	30/25.4	36 WZ
10 8055 260 010	• 260		2.4/1.8	30	48 WWF
10 8055 260 020	• 260		2.4/1.8	30	28 WZ
10 8055 260 030	• 260		2.4/1.8	30	44 WZ
10 8055 270 010	• 270		2.4/1.8	30	60 WWF
10 8055 270 020	• 270		2.4/1.8	30	28 WZ
10 8055 270 030	• 270		2.4/1.8	30	46 WZ
10 8055 280 010	• 280		2.4/1.8	30	60 WWF
10 8055 280 020	• 280		2.4/1.8	30	32 WZ
10 8055 280 030	• 280		2.4/1.8	30	48 WZ
10 8055 300 010	• 300		2.4/1.8	30	60 WWF
10 8055 300 020	• 300		2.4/1.8	30	32 WZ
10 8055 300 030	• 300		2.4/1.8	30	48 WZ
10 8055 305 010	• 305		2.4/1.8	30/25.4	60 WWF
10 8055 305 020	• 305		2.4/1.8	30/25.4	32 WZ
10 8055 305 030	• 305		2.4/1.8	30/25.4	48 WZ
10 8055 320 010	• 320		2.4/1.8	30/25.4	60 WWF
10 8055 320 020	• 320		2.4/1.8	30/25.4	32 WZ
10 8055 320 030	• 320		2.4/1.8	30/25.4	48 WZ
10 8055 330 010	• 330		2.6/2.0	32/30	60 WWF
10 8055 330 020	• 330		2.6/2.0	32/30	36 WZ
10 8055 330 030	• 330		2.6/2.0	32/30	54 WZ
10 8055 350 010	• 350		2.6/2.0	30	72 WWF
10 8055 350 020	• 350		2.6/2.0	30	36 WZ
10 8055 350 030	• 350		2.6/2.0	30	54 WZ
10 8055 355 010	• 355		2.6/2.0	30/25.4	72 WWF
10 8055 355 020	• 355		2.6/2.0	30/25.4	36 WZ
10 8055 355 030	• 355		2.6/2.0	30/25.4	54 WZ
10 8055 400 010	• 400		2.8/2.2	30	72 WWF
10 8055 400 020	• 400		2.8/2.2	30	42 WZ
10 8055 400 030	• 400		2.8/2.2	30	60 WZ
10 8055 420 010	• 420		2.8/2.2	30	84 WWF
10 8055 420 020	• 420		2.8/2.2	30	42 WZ
10 8055 420 030	• 420		2.8/2.2	30	60 WZ
10 8055 450 010	• 450		3.2/2.5	30	84 WWF
10 8055 450 020	• 450		3.2/2.5	30	48 WZ
10 8055 450 030	• 450		3.2/2.5	30	72 WZ
10 8055 500 010	• 500		3.4/2.8	30	96 WWF
10 8055 500 020	• 500		3.4/2.8	30	54 WZ
10 8055 500 030	• 500		3.4/2.8	30	84 WZ
					108 WWF

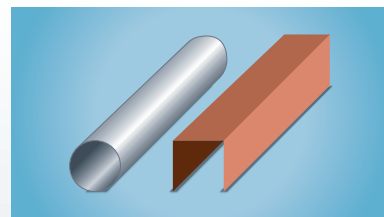
UNI 1 = 2-7-42 + 2-9-46.4 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64 • Manufactured 232.50 mm

Sale item. While stocks last.



Index

Aluminium · Copper · Brass · Bronze



Recommended cutting values

Material Group	Material examples	Vc (m/s) Cutting speed	fz (mm/z) Feed per tooth
Al wrought alloy	AlMn (AlMn1Cu) (3003), AlMg (AlMg2) (5251), AlCuMg (AlZnMg3Cu) (7022)	30-80 30-70	Profile Solid 0.005-0.03 0.02-0.07
Al cast alloy	AlMg3 (51300), AlMg5Si (51400)	30-70	Profile Solid 0.005-0.03 0.02-0.07
Al cast alloy SI	AlSi12	30-40	Profile Solid 0.005-0.02 0.01-0.05
Mg wrought alloy	MgMn2 (3.3520), MgAl3Zn (3.5312)	30-60	Profile Solid 0.005-0.02 0.01-0.05
Mg wrought alloy	MgAl8Zn1 (MC 2111 0), MgAl4Si	30-60 30-50	Profile Solid 0.005-0.02 0.01-0.05
Copper	Cu58	7-14	Profile Solid 0.01-0.02 0.03-0.05
Brass	CuZn40Pb, CuZn30	5-9	Profile Solid 0.01 0.03-0.05
Bronze	CuSn6, CuSn6Zn	3-7	Profile Solid 0.01-0.02 0.04-0.08

Revolution per minute **n** (rpm)

	1500	2000	2500	2850	3000	4000	4500	5000	5600	6000	8000	9000	10000	12000	18000
80 Ø	6.5	8.5	10.5	12	13	17	19	21	23.5	26	34	38	42	52	76
90 Ø	7	9.5	12	13.5	14	19	21	24	26.5	28	38	42	48	56	84
100 Ø	8	10.5	13	15	16	21	24	26	29	32	42	48	52	54	96
120 Ø	9.5	13	16	18	19	26	28	32	35	38	52	56	64	76	112
125 Ø	10	13.5	16.5	18.5	19.5	27	29	33	36.5	39	54	59	66	78	118
140 Ø	11	15	18	21	22	30	33	36	41	44	60	66	72	88	132
150 Ø	12	15.5	19.5	22.5	23.5	31.5	33.5	39	44	47	63	70.5	78.5	94.5	141.5
160 Ø	13	17	21	24	26	34	38	42	47	52	68	76	84	104	152
180 Ø	14	19	24	27	28	38	42.5	48	53	56	76	85	96	118	170
200 Ø	16	21	26	30	32	42	47	52	58.5	64	84	94	104	128	188
225 Ø	18	24	30	33.5	36	48	58	60	66	72	96	106	120	144	212
250 Ø	20	26	33	37	40	52	59	66	73.5	80	104	118	132	160	236
300 Ø	24	31.5	40	45	48	63	71	80	88	96	126	142	160	192	284
350 Ø	28	36.5	47	52	56	73	88	94	105	112	146	166	188	224	332
400 Ø	32	42	54	60	64	84	94	108	117	128	168	188	216	256	376
450 Ø	35.5	47	59	67.5	70.5	94.5	106	118	132	141.6	188	211	236	283	424
500 Ø	40	53	67	74.5	80	106	118	134	146.5	160	212	236	268	320	472

Cutting speed in m/s

① Non ferrous metals

② Safety limits

Determination of cutting speed Vc

$$Vc (m/s) = \frac{D \cdot \pi \cdot n}{60 \cdot 1000}$$

Determination of feed rate Vf

$$Vf (m/min) = \frac{fz \cdot n \cdot Z}{1000}$$

Determination of revolution speed n

$$n (min^{-1}) = \frac{Vc \cdot 1000 \cdot 60}{D \cdot \pi}$$

Vc (m/s) = Cutting speed

Vf (m/min) = Feed rate

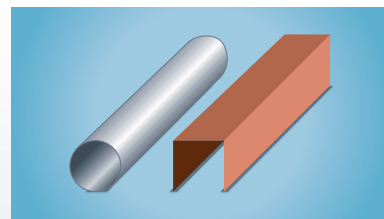
fz (mm/z) = Feed per tooth

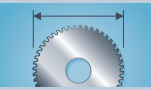
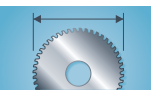
D (mm) = Saw blade diameter

n (min⁻¹) = rpm

Z = Number of teeth

Aluminium · Copper · Brass · Bronze



Art. Ø mm	Type	Application	
10 8000 Ø mm 120-300 	Aluminium universal	Universal blade for the building trade, shop fitting, booth builder, renovations	1074
11 1000 Ø mm 200-600 	Aluminium positive	Sizing and cross cuts in profiles, plates, blocks and rods	1077
11 1050 Ø mm 250-550 	Aluminium positive thin-cut	Sizing and cross cuts in profiles, plates, blocks and rods	1079
11 1430 Ø mm 120-500 	Aluminium positive thin-cut/finishing-cut	Sizing and cross cuts in profiles, plates, blocks and rods	1081
11 1100 Ø mm 250-600 	Aluminium negative	Sizing and cross cuts in thin-walled profiles and solid materials	1083
11 1120 Ø mm 120-550 	Aluminium negative thin-cut	Sizing and cross cuts in thin-walled profiles and solid materials	1085
11 1130 Ø mm 120-500 	Aluminium negative thin-cut/finishing-cut	Sizing and cross cuts in thin-walled profiles and solid materials	1086

BEST
SELLER

1



2



3



4



5



6



7



8



9



10

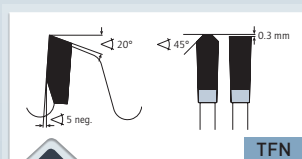


11



10 8000

Aluminium universal



> Triple-chip / flat tooth

MACHINE

For portable circular saws, cross-cut saws, panel saws, sizing and mitre saws, table and radial arm saws, battery-driven saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Non ferrous materials like aluminium, copper, brass
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Thin iron sheets, sandwich material, composites
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Wood with inclusions like nails, clips, concrete residues
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Autoclaved aerated concrete blocks

APPLICATION

The ideal blade for shop construction, trade fair construction, renovation work. For many materials such as: non-ferrous metals, plastics, plexiglas, chipboard, thermo façade plates.

Other aluminium negative sheets: see item 11 1100 page 1083, item 11 1120 page 1085, and item 11 1130 page 1087.

Art.						
10 8000 120 010	• 120	2.8/2.0	20	34 TFN	-	-
10 8000 136 010	• 136	2.8/2.0	20/10	40 TFN	2-6-32	-
10 8000 150 010	• 150	2.8/2.0	20/16	42 TFN	2-6-32	-
10 8000 160 010	• 160	2.8/2.0	20/16	42 TFN	2-6-32	-
10 8000 165 010	• 165	2.8/2.0	20	48 TFN	2-6-32	-
10 8000 170 010	• 170	2.8/2.0	30	48 TFN	-	-
10 8000 180 010	• 180	2.8/2.0	30	48 TFN	UNI 1	-
10 8000 185 010	• 185	2.8/2.0	20/16	48 TFN	2-6-32	-
10 8000 190 010	• 190	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 200 010	• 200	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 210 010	• 210	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 216 010	• 216	2.8/2.0	30	60 TFN	UNI 1	-
10 8000 216 020	• 216	2.8/2.0	30	80 TFN	UNI 1	-
10 8000 220 010	• 220	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 230 010	• 230/235	2.8/2.0	30	64 TFN	UNI 1	-
10 8000 240 010	• 240	2.8/2.0	30	64 TFN	UNI 1	-
10 8000 250 010	• 250	3.2/2.5	30	60 TFN	UNI 1 + UNI 2	✓
10 8000 250 020	• 250	3.2/2.5	30	80 TFN	UNI 1 + UNI 2	✓
10 8000 250 030	• 250	2.8/2.2	30	100 TFN	UNI 1 + UNI 2	✓
10 8000 260 010	• 260	3.2/2.5	30	80 TFN	UNI 1 + UNI 2	✓
10 8000 270 010	• 270	3.2/2.5	30	88 TFN	UNI 1 + UNI 2	✓
10 8000 280 010	• 280	3.2/2.5	30	88 TFN	UNI 1 + UNI 2	✓
10 8000 300 010	• 300	3.2/2.5	30	72 TFN	UNI 1 + UNI 2	✓
10 8000 300 020	• 300	3.2/2.5	30	96 TFN	UNI 1 + UNI 2	✓
10 8000 300 030	• 300	2.8/2.2	30	120 TFN	UNI 1 + UNI 2	✓

UNI 1 = 2-7-42 + 2-9-46,40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

• Manufactured 232.50 mm

Movie



1



2



3



4



5



6



7



8



9



10

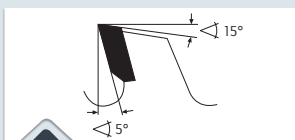


11

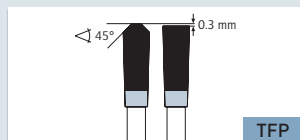


11 1000

Aluminium positive



> Triple-chip / flat tooth positive

**MACHINE**

Double mitre saws, automatic cross-cut saws, sizing saws,
CNC machining centers

✓ OPTIMAL

✓ GOOD

✓ POSSIBLE

✓		Non ferrous materials like aluminium, copper, brass
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®

APPLICATION

Sizing and cross cutting profiles, plates, blocks and rods made of aluminium, brass, copper and plastics (e.g. window profiles).

Due to positive cutting angle preferably for automatic feed and thicker walls.
(Manual feed is also possible)

You want:

Higher cutting values?

Less waste?

Less wear/energy consumption of the machine?

With hand-held machines and manual feed much less effort?

See aluminium positive thin-cut. Type 11 1050 page 1079.

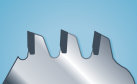
Special design for anodised or lacquered aluminium on request.

Movie



Aluminium positive

11 1000

Art.							
11 1000 200 010	• 200	3.2/2.5	30	54 TFP	UNI 1 + UNI 2	-	-
11 1000 200 020	• 200	2.8/2.2	30	72 TFP	UNI 1 + UNI 2	-	-
11 1000 225 010	• 225	2.5/1.8	30	68 TFP	UNI 1 + UNI 2	-	-
11 1000 250 010	• 250	3.2/2.5	30	60 TFP	UNI 1 + UNI 2	✓	-
11 1000 250 015	• 250	3.2/2.5	30	60 TFP	UNI 1 + UNI 2	✓	-
11 1000 250 017	• 250	3.2/2.5	30	80 TFP	UNI 1 + UNI 2	✓	-
11 1000 250 020	• 250	3.2/2.5	30	80 TFP	UNI 1 + UNI 2	✓	-
11 1000 250 030	• 250	3.2/2.5	32	80 TFP	UNI 2	✓	-
11 1000 275 010	• 275	3.2/2.5	40	72 TFP	2-9-55+4-12-64	✓	-
11 1000 280 010	• 280	3.2/2.5	30	68 TFP	UNI 1 + UNI 2	✓	-
11 1000 280 020	• 280	3.2/2.5	30	96 TFP	UNI 1 + UNI 2	✓	-
11 1000 300 010	• 300	3.2/2.5	30	72 TFP	UNI 1 + UNI 2	✓	-
11 1000 300 015	• 300	3.2/2.5	30	72 TFP	UNI 1 + UNI 2	✓	-
11 1000 300 017	• 300	3.2/2.5	30	96 TFP	UNI 1 + UNI 2	✓	-
11 1000 300 020	• 300	3.2/2.5	30	96 TFP	UNI 1 + UNI 2	✓	-
11 1000 300 030	• 300	3.2/2.5	32	72 TFP	UNI 2	✓	-
11 1000 300 040	• 300	3.2/2.5	32	96 TFP	UNI 2	✓	-
11 1000 300 050	• 300	3.2/2.5	40	96 TFP	2-9-55+4-12-64	✓	-
11 1000 320 010	• 320	3.2/2.5	30	84 TFP	UNI 1 + UNI 2	✓	-
11 1000 330 010	• 330	3.2/2.5	32/30	72 TFP	UNI 2	✓	-
11 1000 330 020	• 330	3.2/2.5	32/30	96 TFP	UNI 2	✓	-
11 1000 350 020	• 350	3.4/2.8	30	72 TFP	UNI 1 + UNI 2	✓	-
11 1000 350 025	• 350	3.6/2.8	30	84 TFP	UNI 1 + UNI 2	✓	-
11 1000 350 030	• 350	3.4/2.8	30	92 TFP	UNI 1 + UNI 2	✓	-
11 1000 350 040	• 350	3.4/2.8	30	108 TFP	UNI 1 + UNI 2	✓	-
11 1000 350 045	• 350	3.6/2.8	30	108 TFP	UNI 1 + UNI 2	✓	-
11 1000 350 050	• 350	3.4/2.8	32	92 TFP	UNI 2	✓	-
11 1000 350 060	• 350	3.4/2.8	32	108 TFP	UNI 2	✓	-
11 1000 350 070	• 350	3.4/2.8	40	92 TFP	2-9-55+4-12-64	✓	-
11 1000 350 080	• 350	3.4/2.8	40	108 TFP	2-9-55+4-12-64	✓	-
11 1000 370 010	• 370	3.6/3.0	30	96 TFP	UNI 1 + UNI 2	✓	-
11 1000 400 010	• 400	3.8/3.2	30	72 TFP	UNI 1 + UNI 2	✓	✓
11 1000 400 020	• 400	3.8/3.2	30	96 TFP	UNI 1 + UNI 2	✓	✓
11 1000 400 025	• 400	3.6/2.8	30	96 TFP	UNI 1 + UNI 2	✓	✓
11 1000 400 030	• 400	3.8/3.2	30	120 TFP	UNI 1 + UNI 2	✓	✓
11 1000 400 040	• 400	3.8/3.2	32	96 TFP	UNI 2	✓	✓
11 1000 400 050	• 400	3.8/3.2	40	96 TFP	4-12-64+2-15-80	✓	✓
11 1000 400 060	• 400	3.8/3.2	40	120 TFP	4-12-64+2-15-80	✓	✓
11 1000 400 070	• 400	3.8/3.2	50	96 TFP	4-15-80	✓	✓
11 1000 400 080	• 400	3.8/3.2	50	120 TFP	4-15-80	✓	✓
11 1000 420 010	• 420	4.0/3.2	30	72 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 420 020	• 420	4.0/3.2	30	96 TFP		✓	✓
11 1000 420 030	• 420	4.0/3.2	30	120 TFP		✓	✓
11 1000 430 010	% 430	4.0/3.2	30	96 TFP		✓	✓
11 1000 450 010	• 450	4.0/3.2	30	72 TFP	UNI 1 + UNI 2 + 2-10.5-70	✓	✓
11 1000 450 020	• 450	4.0/3.2	30	108 TFP	UNI 1 + UNI 2 + 2-10.5-70	✓	✓
11 1000 450 025	• 450	4.0/3.2	30	108 TFP	UNI 1 + UNI 2	✓	✓
11 1000 450 030	• 450	4.0/3.2	30	120 TFP	UNI 1 + UNI 2 + 2-10.5-70	✓	✓
11 1000 450 040	• 450	4.0/3.2	32	96 TFP	UNI 2	✓	✓
11 1000 450 050	• 450	4.0/3.2	32	120 TFP	UNI 2	✓	✓
11 1000 500 010	• 500	4.2/3.6	30	72 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 500 020	• 500	4.2/3.6	30	96 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 500 030	• 500	4.2/3.6	30	120 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 500 035	• 500	4.0/3.2	30	120 TFP	UNI 1 + UNI 2	✓	✓
11 1000 500 040	• 500	4.2/3.6	30	144 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 500 050	• 500	4.2/3.6	32	120 TFP	UNI 2	✓	✓
11 1000 500 060	• 500	4.2/3.6	32	144 TFP	UNI 2	✓	✓
11 1000 550 010	• 550	4.4/3.8	30	72 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 550 020	• 550	4.4/3.8	30	110 TFP		✓	✓
11 1000 550 030	• 550	4.4/3.8	30	144 TFP		✓	✓
11 1000 550 040	• 550	4.4/3.8	32	96 TFP	UNI 2	✓	✓
11 1000 550 050	• 550	4.4/3.8	32	128 TFP	UNI 2	✓	✓
11 1000 550 060	• 550	4.4/3.8	80	128 TFP	6-9-100	✓	✓
11 1000 600 010	% 600	4.6/4.0	30	140 TFP	UNI 1 + UNI 2	✓	✓
11 1000 600 015	• 600	4.6/4.0	30	140 TFP	UNI 1 + UNI 2	✓	✓
-	○ 1000	-	-	-	-	up to Ø 1000 mm available on request	

% Sale item. While stocks last.

UNI 1 = 2-7-42+2-9-46.4 UNI 2 = 2-10-60+2-11-63+2-12-64

You want: Higher cutting values? Less waste? Less wear/energy consumption of the machine? With hand-held machines and manual feed much less effort? See aluminium positive thin-cut. Type 11 1050 page 1079.

1

2

3

4

5

6

7

8

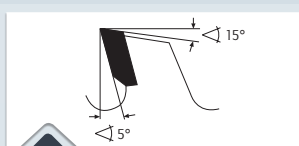
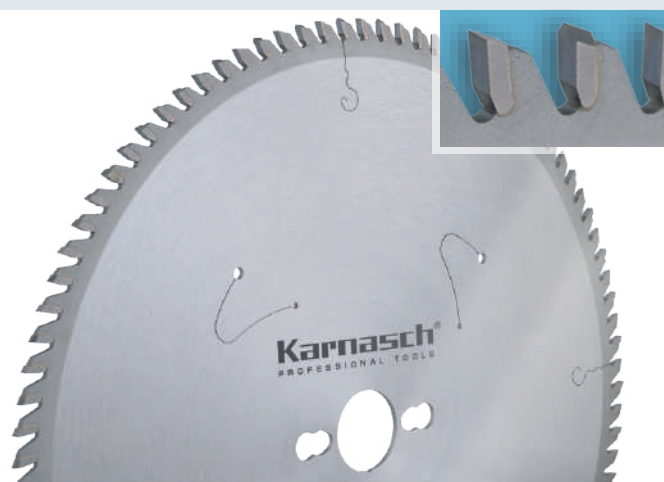
9

10

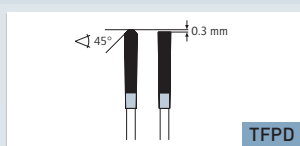
11

Index

1 11 1050 Aluminium positive thin-cut



> Triple-chip / flat tooth thin positive



✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Non ferrous materials like aluminium, copper, brass
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®

APPLICATION

Sizing and cross cuts profiles, plates, blocks and rods made of aluminium, brass, copper and plastics.

Due to thin cutting width:

- Higher cutting values
- Less waste
- Less wear/energy consumption of the machine
- With hand-held machines and manual feed much less effort

Due to positive cutting angle preferably for automatic feed. (Manual feed is also possible)

You want:

- Almost burr-free finishing-cut quality also at the lower side/exit of the workpiece?
- Excellent cutting quality at the cut surface (almost mirror finish)?
- Even better lifetime?

See aluminium positive thin-cut/finishing cut. Type 11 1430 page 1080

Special design for anodised or lacquered aluminium on request.

MACHINE

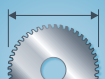
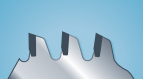
Battery-driven saws, table and sizing saws, automatic cross-cut saws, CNC machining centers, bench saws.

Movie



Aluminium positive thin-cut

11 1050

Art.							
11 1050 250 003	• 250	2.2/1.8	30	60 TFPD	UNI 1 + UNI 2	✓	-
11 1050 250 005	• 250	2.2/1.8	30	80 TFPD	UNI 1 + UNI 2	✓	-
11 1050 250 010	• 250	2.2/1.8	30	100 TFPD	UNI 1 + UNI 2	✓	-
11 1050 250 020	• 250	2.2/1.8	30	120 TFPD	UNI 2	✓	-
11 1050 300 003	• 300	2.4/1.8	30	72 TFPD	UNI 1 + UNI 2	✓	-
11 1050 300 005	• 300	2.4/1.8	30	96 TFPD	UNI 1 + UNI 2	✓	-
11 1050 300 010	• 300	2.4/1.8	30	120 TFPD	UNI 1 + UNI 2	✓	-
11 1050 350 003	• 350	2.4/1.8	30	72 TFPD	UNI 1 + UNI 2	✓	-
11 1050 350 005	• 350	2.4/1.8	30	108 TFPD	UNI 1 + UNI 2	✓	-
11 1050 350 010	• 350	2.4/1.8	30	120 TFPD	UNI 1 + UNI 2	✓	-
11 1050 400 005	• 400	3.1/2.5	30	96 TFPD	UNI 1 + UNI 2	✓	✓
11 1050 400 010	• 400	3.1/2.5	30	128 TFPD	UNI 1 + UNI 2	✓	✓
11 1050 420 005	• 420	3.4/2.8	30	96 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 420 010	• 420	3.4/2.8	30	132 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 450 005	• 450	3.4/2.8	32	92 TFPD	UNI 2	✓	✓
11 1050 450 010	• 450	3.4/2.8	30	138 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 500 003	• 500	3.4/2.8	30	72 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 500 005	• 500	3.4/2.8	30	120 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 500 010	• 500	3.4/2.8	30	144 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 550 005	• 550	3.6/3.0	30	110 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 550 010	• 550	3.6/3.0	30	160 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
-	○ 1000	-	-	-	-	up to Ø 1000 mm available on request	

UNI 1 = 2-7-42 + 2-9-46.40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

You want: Almost burr-free finishing-cut quality also at the lower side/exit of the workpiece? Excellent cutting quality at the cut surface (almost mirror finish)? Even better lifetime? See aluminium positive thin-cut/finishing cut. Type 11 1340 page 1080.

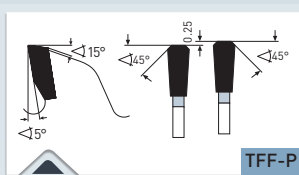
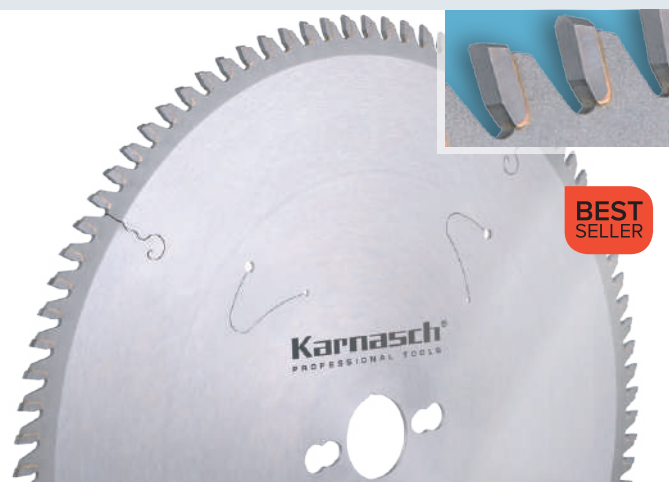
There is only one trial for the perfect cut.

POWER. PRECISION. PERFORMANCE.



11 1430

Aluminium Positive - Thin-cut/Finishing-cut



> Triple-chip/triple-chip teeth

MACHINE

Battery-driven saws, table and sizing saws, automatic cross-cut saws, CNC machining centers, bench saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Thin profiles made of non ferrous materials like alu, copper, brass
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Thin iron sheets, sandwich material, composites

APPLICATION

Sizing and cross cuts profiles, plates, blocks and rods made of aluminium, brass, copper and plastics.

Due to special carbide / tooth geometry excellent for finishing cuts in thin plates and profiles made of hard plastics (thermoplastics) such as: PVC, PE, PA, ABS, PS, POM, PC, PMMA e.g. hollow section boards of PMMA (acrylic glass) and abrasive materials such as: GRP, CRP, fibre cement panels, gypsum, fibre boards, eternit.

Also suitable for sandwich materials with thin layers.
Maximum layer thickness for non-ferrous-metals = 1.0 mm
Maximum layer thickness steel sheet = 0.3 mm

Due to TFF-P cut:

- Almost burr-free finishing-cut quality also at the lower side/exit of the workpiece
- Excellent cutting quality at the cut surface (almost mirror finish)
- Even better lifetime

Due to thin cutting width:

- Less waste
- Less wear/energy consumption of the machine
- With hand-held machines and manual feed much less effort, therefore excellent for cordless machines

You want:

- Even higher number of teeth to improve the cutting quality/tool life?
 - Due to negative rake angle improves control with manual feed?
 - Due to negative rake angle higher insensitivity to tooth breakage?
- ... see art. 11 1130, page 1135

Special design for anodised or lacquered aluminium on request.

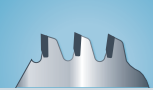
Movie



Aluminium Positive · Thin-cut/Finishing-cut

11 1430

Bestseller – price reduced

Art.						
11 1430 120 010	• 120	1.8/1.2	20	40 TFF-P	-	-
11 1430 136 010	• 136	1.8/1.2	20/10	48 TFF-P	-	-
11 1430 160 010	• 160	1.8/1.2	20/16	56 TFF-P	2-6-32	-
11 1430 180 010	• 180	1.8/1.2	20/16	60 TFF-P	2-6-32	-
11 1430 190 010	• 190	1.8/1.2	30/20	60 TFF-P	2-7-42	-
11 1430 200 010	• 200	2.0/1.4	30	64 TFF-P	2-7-42	-
11 1430 210 010	• 210	2.0/1.4	30	64 TFF-P	2-7-42	-
11 1430 225 010	• 225	2.0/1.4	30	68 TFF-P	2-7-42	-
11 1430 230 010	• 230/235 ●	2.0/1.4	30	68 TFF-P	2-7-42	-
11 1430 250 010	• 250	2.4/1.8	30	80 TFF-P	UNI	✓
11 1430 250 020	• 250	2.2/1.8	30	120 TFF-P	UNI	✓
11 1430 300 010	• 300	2.4/1.8	30	96 TFF-P	UNI	✓
11 1430 300 020	• 300	2.4/1.8	30	128 TFF-P	UNI	✓
11 1430 350 010	• 350	2.4/1.8	30	108 TFF-P	UNI	✓
11 1430 350 020	• 350	2.4/1.8	30	132 TFF-P	UNI	✓
11 1430 400 010	• 400	3.2/2.5	30	120 TFF-P	UNI	✓
11 1430 400 020	• 400	3.1/2.5	30	138 TFF-P	UNI	✓
11 1430 450 010	• 450	3.5/2.8	30	132 TFF-P	UNI	✓
11 1430 450 020	• 450	3.4/2.8	30	144 TFF-P	UNI	✓
11 1430 500 010	• 500	3.5/2.8	30	144 TFF-P	UNI	✓

● Manufactured 232.50 mm · UNI = 2-7-42 + 2-9-46.40 + 2-10-60

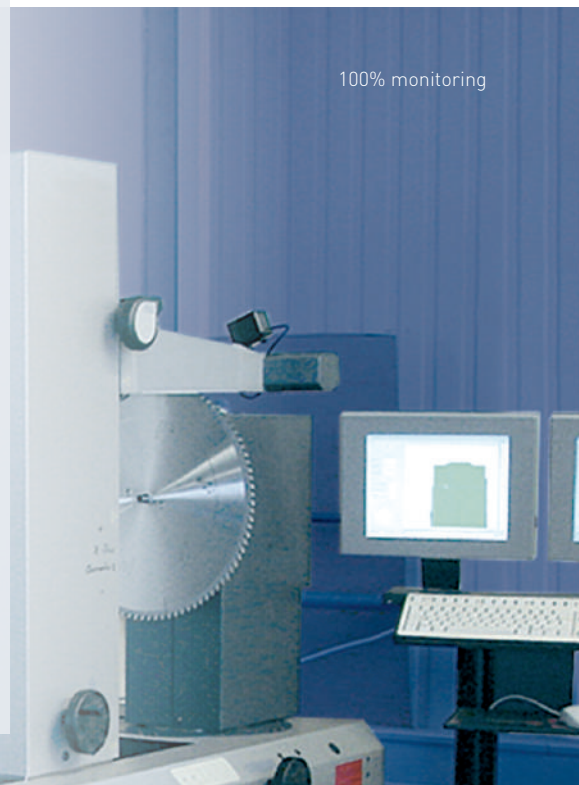
Insights into the Karnasch high-tech production.

POWER.
PRECISION.
PERFORMANCE.

Roughness measurement



100% monitoring



2



3



4



5



6



7



8



9



10



11



1



2



3



4



5



6



7



8



9



10

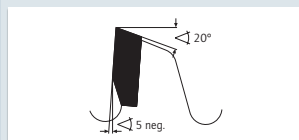
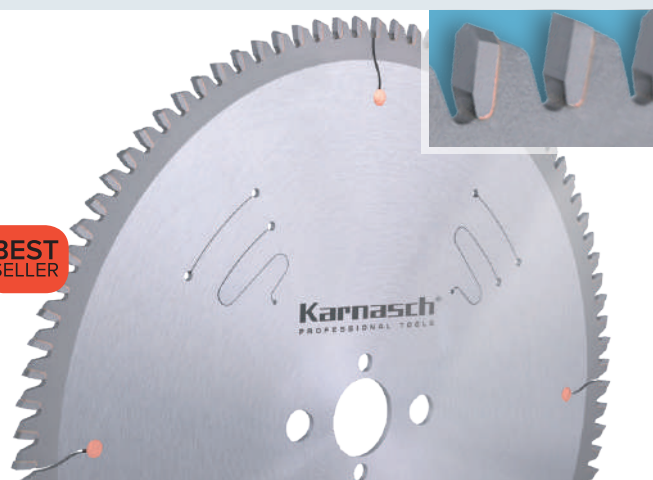


11

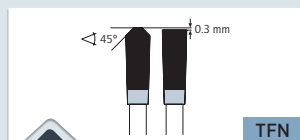


11 1100

Aluminium negative

BEST
SELLER

> Triple-chip / flat tooth negative



✓ OPTIMAL

✓ GOOD

✓ POSSIBLE



Non ferrous materials like aluminium, copper, brass



Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

Sizing and cross cuts in thin-walled profiles, plates, blocks and rods made of aluminium, brass, copper and plastics (e.g. window profiles).

Minimum Lubrication recommended.

Because of negative hook angle preferably for manual feed.

Automatic feed also possible.

You want:

- Higher cutting values?
 - Less waste?
 - Less wear/energy consumption of the machine?
 - With hand-held machines and manual feed much less effort?
- See aluminium negative thin-cut. Article 11 1120 page 1084

Special design for anodised or lacquered aluminium on request.

MACHINE

Mitre and double mitre saws, table and sizing saws, cross-cut saws, CNC machining centers, Radial arm saws.

Movie

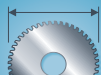


Aluminium negative

11 1100

BEST
SELLER

Bestseller – price reduced

Art.							
11 1100 250 010	• 250	3.2/2.5	30	60 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 015	• 250	3.2/2.5	30	60 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 017	• 250	3.2/2.5	30	80 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 020	• 250	3.2/2.5	30	80 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 030	• 250	2.8/2.2	30	80 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 040	• 250	2.8/2.2	30	100 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 050	• 250	3.2/2.5	32	60 TFN	UNI 2	✓	-
11 1100 250 060	• 250	3.2/2.5	32	80 TFN	UNI 2	✓	-
11 1100 250 070	• 250	3.2/2.5	32	100 TFN	UNI 2	✓	-
11 1100 275 010	• 275	3.2/2.5	40	88 TFN	2-9-55+4-12-64	✓	-
11 1100 275 020	• 275	3.2/2.5	40	110 TFN	2-9-55+4-12-64	✓	-
11 1100 280 010	• 280	3.2/2.5	30	88 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 010	• 300	3.2/2.5	30	72 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 015	• 300	3.2/2.5	30	72 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 017	• 300	3.2/2.5	30	96 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 020	• 300	3.2/2.5	30	96 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 030	• 300	2.8/2.2	30	120 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 040	• 300	3.2/2.5	32	72 TFN	UNI 2	✓	-
11 1100 300 050	• 300	3.2/2.5	32	96 TFN	UNI 2	✓	-
11 1100 300 060	• 300	2.8/2.2	32	120 TFN	UNI 2	✓	-
11 1100 300 070	• 300	3.2/2.5	40	72 TFN	2-9-55+4-12-64	✓	-
11 1100 300 080	• 300	3.2/2.5	40	96 TFN	2-9-55+4-12-64	✓	-
11 1100 305 010	• 305	3.2/2.5	30	96 TFN	UNI 1 + UNI 2	✓	-
11 1100 330 010	• 330	3.2/2.5	30	72 TFN	UNI 1 + UNI 2	✓	-
11 1100 330 020	• 330	3.2/2.5	30	96 TFN	UNI 1 + UNI 2	✓	-
11 1100 330 030	• 330	2.8/2.2	30	120 TFN	UNI 1 + UNI 2	✓	-
11 1100 330 040	% 330	3.2/2.5	32	72 TFN	UNI 2	✓	-
11 1100 330 050	• 330	3.2/2.5	32	96 TFN	UNI 2	✓	-
11 1100 330 060	% 330	2.8/2.2	32	120 TFN	UNI 2	✓	-
11 1100 350 010	• 350	3.4/2.8	30	90 TFN	UNI 1 + UNI 2	✓	-
11 1100 350 015	• 350	3.6/2.8	30	84 TFN	UNI 1 + UNI 2	✓	-
11 1100 350 017	• 350	3.6/2.8	30	108 TFN	UNI 1 + UNI 2	✓	-
11 1100 350 020	• 350	3.4/2.8	30	108 TFN	UNI 1 + UNI 2	✓	-
11 1100 350 030	• 350	3.2/2.5	30	140 TFN	UNI 1 + UNI 2	✓	-
11 1100 350 040	• 350	3.4/2.8	32	90 TFN	UNI 2	✓	-
11 1100 350 050	• 350	3.4/2.8	32	108 TFN	UNI 2	✓	-
11 1100 350 060	• 350	3.4/2.8	40	84 TFN	2-9-55+4-12-64	✓	-
11 1100 350 070	• 350	3.4/2.8	40	108 TFN	2-9-55+4-12-64	✓	-
11 1100 350 080	• 350	3.4/2.8	50	84 TFN	4-15-80	✓	-
11 1100 350 090	• 350	3.4/2.8	50	108 TFN	4-15-80	✓	-
11 1100 370 010	• 370	3.6/3.0	30	90 TFN	UNI 1 + UNI 2	✓	-
11 1100 370 020	• 370	3.6/3.0	30	108 TFN	UNI 1 + UNI 2	✓	-
11 1100 380 010	• 380	3.8/3.2	32	90 TFN	UNI 2	✓	-
11 1100 380 020	• 380	3.8/3.2	32	110 TFN	UNI 2	✓	-
11 1100 380 030	• 380	3.8/3.2	32	132 TFN	UNI 2	✓	-
11 1100 400 010	• 400	3.8/3.2	30	96 TFN	UNI 1 + UNI 2	✓	✓
11 1100 400 015	• 400	3.6/2.8	30	96 TFN	UNI 1 + UNI 2	✓	✓
11 1100 400 020	• 400	3.8/3.2	30	108 TFN	UNI 1 + UNI 2	✓	✓
11 1100 400 030	• 400	3.8/3.2	30	120 TFN	UNI 1 + UNI 2	✓	✓
11 1100 400 035	• 400	3.6/2.8	30	120 TFN	UNI 1 + UNI 2	✓	✓
11 1100 400 040	• 400	3.8/3.2	32	96 TFN	UNI 2	✓	✓
11 1100 400 050	• 400	3.8/3.2	32	108 TFN	UNI 2	✓	✓
11 1100 400 060	• 400	3.8/3.2	32	120 TFN	UNI 2	✓	✓
11 1100 400 070	• 400	3.8/3.2	40	96 TFN	4-12-64+2-15-80	✓	✓
11 1100 400 080	• 400	3.8/3.2	40	120 TFN	4-12-64+2-15-80	✓	✓
11 1100 400 090	• 400	3.8/3.2	50	96 TFN	4-15-80	✓	✓
11 1100 400 100	• 400	3.8/3.2	50	120 TFN	4-15-80	✓	✓
11 1100 420 010	• 420	4.0/3.2	30	96 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 420 015	• 420	4.0/3.2	30	96 TFN	UNI 1 + UNI 2	✓	✓
11 1100 420 020	• 420	4.0/3.2	30	108 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 420 030	• 420	4.0/3.2	30	120 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 420 040	• 420	4.0/3.2	40	96 TFN	4-12-64+2-15-80	✓	✓
11 1100 420 050	• 420	4.0/3.2	40	108 TFN	4-12-64+2-15-80	✓	✓
11 1100 420 060	• 420	4.0/3.2	40	120 TFN	4-12-64+2-15-80	✓	✓
11 1100 450 010	• 450	4.0/3.2	30	108 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 450 015	• 450	4.0/3.2	30	108 TFN	UNI 1 + UNI 2	✓	✓
11 1100 450 020	• 450	4.0/3.2	30	128 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 500 010	• 500	4.2/3.6	30	120 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 500 015	• 500	4.0/3.2	30	120 TFN	UNI 1 + UNI 2	✓	✓
11 1100 500 020	• 500	4.2/3.6	30	140 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 520 010	• 520	4.2/3.6	30	120 TFN	-	✓	✓
11 1100 550 010	• 550	4.4/3.8	30	108 TFN	-	✓	✓
11 1100 550 020	• 550	4.4/3.8	30	132 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 600 010	% 600	4.6/4.0	30	140 TFN	UNI 1 + UNI 2	✓	✓
11 1100 600 015	• 600	4.6/4.0	30	140 TFN	UNI 1 + UNI 2	✓	✓
-	○ 1000	-	-	-	-	up to Ø 1000 mm available on request	

% Sale item. While stocks last.

UNI 1 = 2-7-42 + 2-9-46.40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

You want: Higher cutting values? Less waste? Less wear/energy consumption of the machine? With hand-held machines and manual feed much less effort?
See aluminium negative thin-cut. Article 11 1120 page 1084

1

2

3

4

5

6

7

8

9

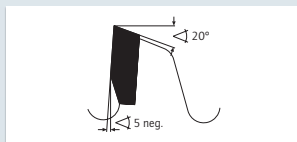
10

11

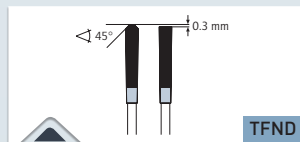
Index

11 1120

Aluminium negative thin-cut



> Triple chip / flat tooth thin negative



TFND

MACHINE

Mitre and double mitre saws, table and sizing saws, cross-cut saws, CNC machining centers, portable circular saws, battery-driven saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Non ferrous materials like aluminium, copper, brass
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

Sizing and cross cuts in thin-walled profiles, plates, blocks and rods made of aluminium, brass, copper and plastics (e.g. window profiles).

Minimum Lubrication recommended.

Due to thin cutting width:

- Higher cutting values
- Less waste
- Less wear/energy consumption of the machine
- With hand-held machines and manual feed much less effort

Due to negative cutting angle preferably for manual feed. Automatic feed also possible.

You want:

- Almost burr-free finishing-cut quality also at the lower side/exit of the workpiece?
- Excellent cutting quality at the cut surface (almost mirror finish)?
- Even better lifetime?
- See aluminium negative thin-cut/finishing-cut. Article 11 1130 page 1086

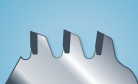
Special design for anodised or lacquered aluminium on request.

Movie



Aluminium negative thin-cut

11 1120

Art.							
11 1120 120 010	• 120	2.2/1.6	20	36 TFND	-	-	-
11 1120 136 010	• 136	2.2/1.6	20/10	40 TFND	2-6-32	-	-
11 1120 150 010	• 150	2.4/1.6	20/16	42 TFND	2-6-32	-	-
11 1120 160 010	• 160	2.4/1.8	20/16	42 TFND	2-6-32	-	-
11 1120 160 020	• 160	2.2/1.6	20/16	60 TFND	2-6-32	-	-
11 1120 160 030	• 160	2.4/1.8	30	42 TFND	UNI 1	-	-
11 1120 170 010	• 170	2.4/1.8	30	48 TFND	UNI 1	-	-
11 1120 180 010	• 180	2.4/1.8	30	48 TFND	UNI 1	-	-
11 1120 180 020	• 180	2.2/1.6	30	64 TFND	UNI 1	-	-
11 1120 190 010	• 190	2.4/1.8	30	54 TFND	UNI 1	-	-
11 1120 190 020	• 190	2.2/1.6	30	68 TFND	UNI 1	-	-
-	• 200	2.2/1.8	20	100 TFND	See Art. 11 1150, page 1211	-	-
11 1120 200 010	• 200	2.4/1.8	30	54 TFND	UNI 1	-	-
11 1120 200 020	• 200	2.2/1.6	30	68 TFND	UNI 1	✓	-
-	• 200	2.2/1.8	30	100 TFND	See Art. 11 1150, page 1211	-	-
-	• 200	2.2/1.8	32	100 TFND	See Art. 11 1150, page 1211	-	-
11 1120 210 010	• 210	2.4/1.8	30	54 TFND	UNI 1	-	-
11 1120 210 020	• 210	2.2/1.6	30	72 TFND	UNI 1	-	-
11 1120 216 010	• 216	2.4/1.8	30	60 TFND	UNI 1	-	-
11 1120 216 020	• 216	2.2/1.6	30	80 TFND	UNI 1	-	-
11 1120 220 010	• 220	2.4/1.8	30	64 TFND	UNI 1	-	-
11 1120 220 020	• 220	2.2/1.6	30	80 TFND	UNI 1	-	-
11 1120 225 010	• 225	2.4/1.8	30	64 TFND	UNI 1	-	-
11 1120 225 020	• 225	2.2/1.6	30	80 TFND	UNI 1	-	-
11 1120 230 010	• 230/235 •	2.4/1.8	30	64 TFND	UNI 1	-	-
11 1120 230 020	• 230/235 •	2.2/1.6	30	80 TFND	UNI 1	-	-
11 1120 250 010	• 250	2.8/2.2	30	80 TFND	UNI 1 + UNI 2	✓	-
11 1120 250 020	• 250	2.2/1.8	30	100 TFND	UNI 1 + UNI 2	✓	-
11 1120 250 030	• 250	2.2/1.8	32/30	120 TFND	UNI 2	✓	-
11 1120 260 010	• 260	2.4/1.8	30	68 TFND	UNI 1 + UNI 2	✓	-
11 1120 260 020	• 260	2.4/1.8	30	100 TFND	UNI 1 + UNI 2	✓	-
11 1120 270 010	• 270	2.4/1.8	30	80 TFND	UNI 1 + UNI 2	✓	-
11 1120 300 010	• 300	2.4/1.8	30	120 TFND	UNI 1 + UNI 2	✓	-
11 1120 305 010	• 305	2.6/2.0	30	80 TFND	UNI 1 + UNI 2	✓	-
11 1120 305 020	• 305	2.4/1.8	30	120 TFND	UNI 1 + UNI 2	✓	-
11 1120 330 010	• 330	2.4/1.8	30	96 TFND	UNI 1 + UNI 2	✓	-
11 1120 330 020	% 330	2.4/1.8	30	120 TFND	UNI 1 + UNI 2	✓	-
11 1120 330 030	• 330	2.4/1.8	32	96 TFND	UNI 2	✓	-
11 1120 330 040	% 330	2.4/1.8	32	120 TFND	UNI 2	✓	-
11 1120 350 010	• 350	2.4/1.8	30	120 TFND	UNI 1 + UNI 2	✓	-
11 1120 400 010	• 400	3.1/2.5	30	130 TFND	UNI 1 + UNI 2	✓	✓
11 1120 420 010	• 420	3.4/2.8	30	132 TFND	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1120 450 010	• 450	3.4/2.8	30	138 TFND	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1120 500 010	• 500	3.4/2.8	30	144 TFND	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1120 550 010	• 550	3.6/3.0	30	160 TFND	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
-	○ 1000	-	-	-	-	up to Ø 1000 mm available on request	

% Sale item. While stocks last.

• Manufactured 232.50 mm

UNI 1 = 2-7-42 + 2-9-46.40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

You want:

- Almost burr-free finishing-cut quality also at the lower side/exit of the workpiece?
- Excellent cutting quality at the cut surface (almost mirror finish)?
- Even better lifetime?
- See aluminium negative thin-cut/finishing-cut. Article 11 1130 page 1086

1

2

3

4

5

6

7

8

9

10

i

11

1



2



3



4



5



6



7



8



9



10

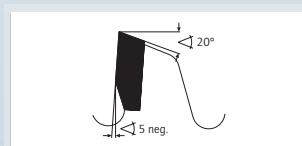


11

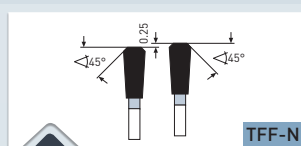


11 1130

Aluminium negative thin-cut/finishing-cut



> Triple-chip/flat tooth negative



✓ OPTIMAL

✓ GOOD

✓ POSSIBLE

✓		Non ferrous materials like aluminium, copper, brass
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

Sizing and cross cuts in thin-walled profiles, plates, blocks and rods made of aluminium, brass, copper and plastics (e.g. window profiles).

Minimum Lubrication recommended.

Because of TFF-N cut:

- Almost burr-free finishing-cut quality also at the lower side/exit of the workpiece
- Excellent cutting quality at the cut surface (almost mirror finish)
- Even better lifetime

Due to thin cutting width:

- Less waste
- Less wear/energy consumption of the machine
- With hand-held machines and manual feed much less effort

Due to negative cutting angle preferably for manual feed. Automatic feed also possible.

Special design for anodised or lacquered aluminium on request.

MACHINE

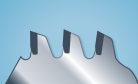
Mitre and double mitre saws, table and sizing saws, cross-cut saws, CNC machining centers, portable circular saws, battery-driven saws

Movie



Aluminium negative thin-cut/finishing-cut

11 1130

Art.							
11 1130 120 010	• 120	1.8/1.2	20	48 TFF-N	-	-	-
11 1130 136 010	• 136	1.8/1.2	20/10	56 TFF-N	2-6-32	-	-
11 1130 160 010	• 160	1.8/1.2	20/16	64 TFF-N	2-6-32	-	-
11 1130 190 010	• 190	1.8/1.2	30	72 TFF-N	UNI 1	-	-
11 1130 200 010	• 200	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 210 010	• 210	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 216 010	• 216	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 230 010	• 230/235	2.0/1.4	30	108 TFF-N	UNI 1	-	-
11 1130 250 010	• 250	2.2/1.8	30	120 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 260 010	• 260	2.2/1.8	30	120 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 300 010	• 300	2.4/1.8	30	128 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 305 010	• 305	2.4/1.8	30	128 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 330 010	• 330	2.4/1.8	30	132 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 350 010	• 350	2.4/1.8	30	132 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 350 020	• 350	2.4/1.8	32	132 TFF-N	UNI 2	✓	-
11 1130 380 010	• 380	2.4/1.8	32	132 TFF-N	UNI 2	✓	-
11 1130 400 010	• 400	3.1/2.5	30	138 TFF-N	UNI 1 + UNI 2	✓	✓
11 1130 400 020	• 400	3.1/2.5	32	138 TFF-N	UNI 2	✓	✓
11 1130 420 010	• 420	3.4/2.8	30	138 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1130 420 020	• 420	3.4/2.8	40	138 TFF-N	4-12-64 + 2-15-80	✓	✓
11 1130 450 010	• 450	3.4/2.8	30	144 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1130 500 010	• 500	3.4/2.8	30	148 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓

• Manufactured 232.50 mm

UNI 1 = 2-7-42 + 2-9-46.40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

1

2

3

4

5

6

7

8

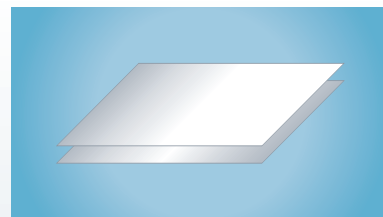
9

10

i

11

Plastics

Revolution per minute **n** (rpm)

	1500	2000	2500	2850	3000	4000	4500	5000	5600	6000	8000	9000	10000	12000	18000
80 Ø	6.5	8.5	10.5	12	13	17	19	21	23.5	26	34	38	42	52	76
90 Ø	7	9.5	12	13.5	14	19	21	24	26.5	28	38	42	48	56	84
100 Ø	8	10.5	13	15	16	21	24	26	29	32	42	48	52	54	96
120 Ø	9.5	13	16	18	19	26	28	32	35	38	52	56	64	76	112
125 Ø	10	13.5	16.5	18.5	19.5	27	29	33	36.5	39	54	59	66	78	118
140 Ø	11	15	18	21	22	30	33	36	41	44	60	66	72	88	132
150 Ø	12	15.5	19.5	22.5	23.5	31.5	33.5	39	44	47	63	70.5	78.5	94.5	141.5
160 Ø	13	17	21	24	26	34	38	42	47	52	68	76	84	104	152
180 Ø	14	19	24	27	28	38	42.5	48	53	56	76	85	96	118	170
200 Ø	16	21	26	30	32	42	47	52	58.5	64	84	94	104	128	188
225 Ø	18	24	30	33.5	36	48	58	60	66	72	96	106	120	144	212
250 Ø	20	26	33	37	40	52	59	66	73.5	80	104	118	132	160	236
300 Ø	24	31.5	40	45	48	63	71	80	88	96	126	142	160	192	284
350 Ø	28	36.5	47	52	56	73	88	94	105	112	146	166	188	224	332
400 Ø	32	42	54	60	64	84	94	108	117	128	168	188	216	256	376
450 Ø	35.5	47	59	67.5	70.5	94.5	106	118	132	141.6	188	211	236	283	424
500 Ø	40	53	67	74.5	80	106	118	134	146.5	160	212	236	268	320	472

Cutting speed in m/s

① Plastics

② Safety limits

Determination of cutting speed V_c

$$V_c \text{ (m/s)} = \frac{D \cdot \pi \cdot n}{60 \cdot 1000}$$

Determination of feed rate V_f

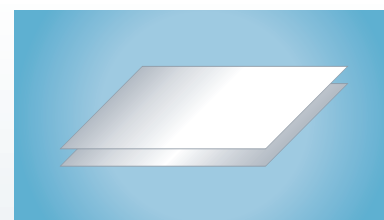
$$V_f \text{ (m/min)} = \frac{f_z \cdot n \cdot Z}{1000}$$

Determination of revolution speed n

$$n \text{ (min}^{-1}\text{)} = \frac{V_c \cdot 1000 \cdot 60}{D \cdot \pi}$$

 $V_c \text{ (m/s)}$ = Cutting speed $V_f \text{ (m/min)}$ = Feed rate $f_z \text{ (mm/z)}$ = Feed per tooth $D \text{ (mm)}$ = Saw blade diameter $n \text{ (min}^{-1}\text{)}$ = rpm Z = Number of teeth

Plastics



Recommended cutting values

Material Group	Material examples	V _c (m/s) Cutting speed	f _z (mm/z) Feed per tooth
Hard Thermoplastics	PA Polyamide, PE Polyethylene, PS Polystyrene, POM polyoxymethylene, ABS acrylonitrile-butadiene-styrene	60-70	0.06-0.10
	PVC Polyvinyl chloride	55-60	0.06-0.10
	PC Polycarbonat	70-75	0.03-0.06
Easily melting thermoplastics	PP polypropylene, PA6 polyamide-6	60-70	0.08-0.18
Thermoplastics with visible surface	PC polycarbonate	70-75	0.03-0.06
	PMMA acrylic glass	60-65	0.06-0.09
Duroplastic	HPL High-Pressure-Laminate (Trespa®, Resopal®, Wodego®, Duropal®, Formica®, Unilin®, Kronospan®, Homapal®, Decodur®, Abet®) PUR Polyurethan, Melamine, HP Hardpaper	50-70	0.01-0.08
	Glass fibre and carbon fibre reinforced plastic GRP/CRP Aramid fibre plastik AFK (Kevlar, Nomex, Carbolan, Rigator, Durostone)	20-50	0.01-0.03
Mineral-Acrylic bound materials e.g. Kitchen worktops/sink	Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®	50-70	0.02-0.04

1



2



3



4



5



6



7



8



9



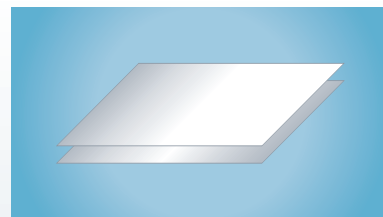
10



11



Plastics



Art. Ø mm	Type	Application	
10 8000 Ø mm 120–300 	Plastic universal	Universal blade for construction, shop fitting, booth builder, renovations	1093
10 9050 Ø mm 250–350 	Acrylic (Plexiglas) clear cut view	For finishing cut, clear cut view in homogenous material, thermoplastics such as acrylic (plexiglass), PC, PMMA	1095
11 1000 Ø mm 200–600 	Window profiles & plastics, positive hook angle	For sizing cuts and mitre cuts in thin and thick-walled boards and hollow profiles, e.g. window profiles made of PVC	1097
11 1050 Ø mm 250–550 	Window profiles & plastics, positive hook angle / Thin-cut	For sizing cuts and mitre cuts in thin-walled boards and hollow profiles, e.g. window profiles made of PVC	1099
11 1100 Ø mm 250–600 	Window profiles & plastics, negative hook angle	For sizing cuts and mitre cuts in thin/medium-walled boards and hollow profiles, e.g. window profiles made of PVC	1101

BEST
SELLER

1

2

3

4

5

6

7

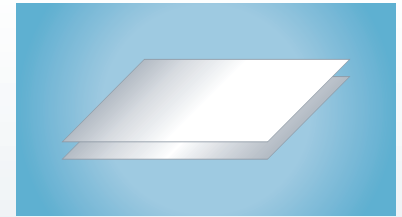
8

9

10

11

Plastics



Art. Ø mm	Type	Application	
11 1120 Ø mm 120-550 	Window profiles & plastics, negative hook angle / Thin-cut	For sizing cuts and mitre cuts in thin-walled boards and hollow profiles, e.g. window profiles made of PVC	1103
11 1130 Ø mm 120-500 	Hard plastics · Abrasive materials · Finishing-cut / Thin-cut · Negative	Ideal for finishing cuts in all plastics. Excellent for hollow section boards for PMMA (acrylic glass). Also good for abrasive, heavy machining and abrading materials such as: GRP, CRP, fibre cement panels, gypsum, fibre boards, eternit.	1105
11 1320 Ø mm 120-500 	Window profiles with rubber seal & plastics	Excellent cutting quality for sizing cuts and mitre cuts in thin-walled boards and hollow profiles, e.g. window profiles made of PVC especially with rubber seal.	1107
11 1350 Ø mm 160-350 	Diamond Universal	Excellent for Duroplastic materials such as: Glass fibre plastic (GRP), Carbon fibre plastic (CRP), Carbon, Aramid fibre plastic (AFK), HP, HPL, PUR.	1109
11 1370 Ø mm 250-350 	Diamond · Panel-sizing · Finishing cut · Hard plastics · Abrasive materials	Due to DP (Polychristalline Diamond) teeth excellent for cutting extreme abrasive, heavy machining and abrading materials in finishing-cut quality.	1111

1

2

3

4

5

6

7

8

9

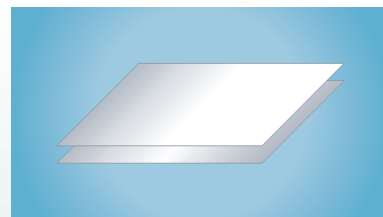
10

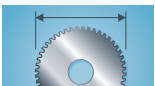
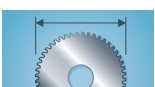
i

11

Index

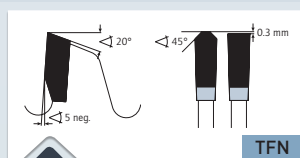
Plastics



Art. Ø mm	Type	Application	
11 1425 Ø mm 120–500 	Plastics · Profiles · Veneers / Thin-cut BEST SELLER	Ideal for finishing-cuts in thin-walled wood and plastic parts e.g. strips, picture frames. Excellent also for veneers and hard thermoplastics such as PC, PMMA (acrylic, plexiglas)	1113
11 1430 Ø mm 120–500 	Hard plastics · abrasive materials · Finishing-cut / Thin-cut BEST SELLER	Excellent for finishing-cuts in thin-walled boards and profiles of hard plastics (thermoplastics) such as: PVC, PE, PA, ABS, POM, PC, PMMA (acrylics). In general also excellent for abrasive materials such as gypsum and cemented boards, Eternit, Corian, Trespa ...	1115
11 1450 Ø mm 210–600 	Chop- and mitre circular saws · alternate top bevel tooth/negative	Special selection for chop- and mitre saws. High number of teeth excellent for almost all kind of plastics and veneered/coated boards/ profiles.	1117
11 1460 Ø mm 250–400 	Panel-sizing · Finishing cut · Hard plastics · Abrasive Materials	For sizing panels/profiles of thermoplastics in various thicknesses made of: PVC, PE, PA, ABS ... Also ideal for duroplastics and mineral materials such as HPL (Trespa, Resopal) Corian, Noblan and abrasive materials such as GRP, CRP.	1119
11 1470 Ø mm 220–400 	Panel-sizing · Finishing cut · Triple chip/flat tooth	For sizing panels/profiles in various thicknesses. For almost all kinds of plastics (duro- and thermoplastics). Ideal also for double-side plastic coated boards.	1121

Plastic universal

10 8000



> Triple-chip / flat tooth negative

MACHINE

For portable circular saws, cross-cut saws, panel saws, sizing and mitre saws, table and radial arm saws, battery-driven saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Non ferrous materials like aluminium, copper, brass
✓		Thin iron sheets, sandwich material, composites
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Wood with inclusions like nails, clips, concrete residues
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Autoclaved aerated concrete blocks

APPLICATION

The ideal blade for shop construction, trade fair construction, renovation work. For many materials such as: non-ferrous metals, plastics, plexiglas, chipboard, thermo façade plates.

Other aluminium negative sheets: see item 11 1100 page 1101, item 11 1120 page 1103, and item 11 1130 page 1087.

Art.						
10 8000 120 010	• 120	2.8/2.0	20	34 TFN	-	-
10 8000 136 010	• 136	2.8/2.0	20/10	40 TFN	2-6-32	-
10 8000 150 010	• 150	2.8/2.0	20/16	42 TFN	2-6-32	-
10 8000 160 010	• 160	2.8/2.0	20/16	42 TFN	2-6-32	-
10 8000 165 010	• 165	2.8/2.0	20	48 TFN	2-6-32	-
10 8000 170 010	• 170	2.8/2.0	30	48 TFN	-	-
10 8000 180 010	• 180	2.8/2.0	30	48 TFN	UNI 1	-
10 8000 185 010	• 185	2.8/2.0	20/16	48 TFN	2-6-32	-
10 8000 190 010	• 190	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 200 010	• 200	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 210 010	• 210	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 216 010	• 216	2.8/2.0	30	60 TFN	UNI 1	-
10 8000 216 020	• 216	2.8/2.0	30	80 TFN	UNI 1	-
10 8000 220 010	• 220	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 230 010	• 230/235	2.8/2.0	30	64 TFN	UNI 1	-
10 8000 240 010	• 240	2.8/2.0	30	64 TFN	UNI 1	-
10 8000 250 010	• 250	3.2/2.5	30	60 TFN	UNI 1 + UNI 2	✓
10 8000 250 020	• 250	3.2/2.5	30	80 TFN	UNI 1 + UNI 2	✓
10 8000 250 030	• 250	2.8/2.2	30	100 TFN	UNI 1 + UNI 2	✓
10 8000 260 010	• 260	3.2/2.5	30	80 TFN	UNI 1 + UNI 2	✓
10 8000 270 010	• 270	3.2/2.5	30	88 TFN	UNI 1 + UNI 2	✓
10 8000 280 010	• 280	3.2/2.5	30	88 TFN	UNI 1 + UNI 2	✓
10 8000 300 010	• 300	3.2/2.5	30	72 TFN	UNI 1 + UNI 2	✓
10 8000 300 020	• 300	3.2/2.5	30	96 TFN	UNI 1 + UNI 2	✓
10 8000 300 030	• 300	2.8/2.2	30	120 TFN	UNI 1 + UNI 2	✓

UNI 1 = 2-7-42 + 2-9-46-40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

• Manufactured 232.50 mm

Movie



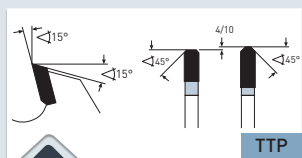
1093



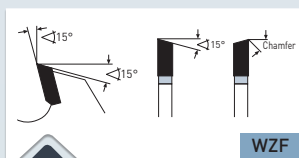
Index

Acrylic (Plexiglas) clear cut view

10 9050



> Triple-chip / flat tooth positive



> Alternate top bevel+bevel

MACHINE

For table-mounted circular saws, final trimming saws, panel sizing saws

✓ OPTIMAL

✓ GOOD

✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®

APPLICATION

For finishing cut, clear cut view in homogenous material, thermoplastics such as acrylic (plexiglass), PC, PMMA.

Low tooth number (TTP):

Thermoplastics, for stacks of material. Tensile strength > 50 N/mm².

High tooth number (WZF):

Thermoplastics, thin-walled. Tensile strength max. 50 N/mm².

Recommendation:

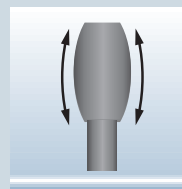
Use emulsion as a coolant, see from page 1364.

Art.						
10 9050 250 010	• 250	3.2/2.2	30	48 TTP	UNI	✓
10 9050 250 020	• 250	3.2/2.2	30	80 WZF	UNI	✓
10 9050 300 010	• 300	3.2/2.2	30	60 TTP	UNI	✓
10 9050 300 020	• 300	3.2/2.2	30	96 WZF	UNI	✓
10 9050 350 010	• 350	3.5/2.5	30	72 TTP	UNI	✓
10 9050 350 020	• 350	3.5/2.5	30	108 WZF	UNI	✓

UNI = 2-10-60 + 2-9-46.4 + 2-7-42

Other dimensions are available on request

Bossed edge style

Please only regrind the face, but never the top.
Approximately five times regrindable with normal blunting.

Movie



1095



Index

11 1000

Window profiles & plastics. Positive hook angle

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

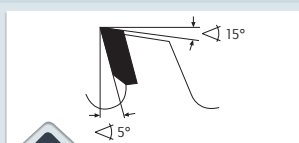
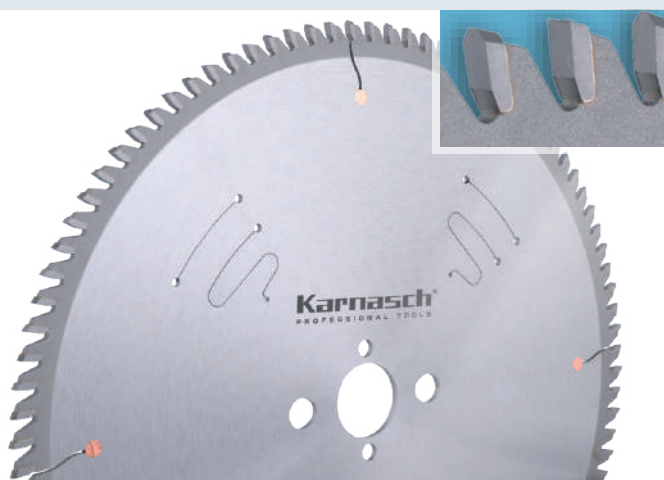
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Non ferrous materials like aluminium, copper, brass
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®

APPLICATION

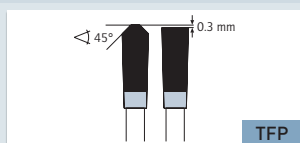
For sizing cuts and mitre cuts in thin and thick-walled boards and (depending on the number of teeth) hollow profiles, e.g. window profiles made of PVC, also glass fibre reinforced (GRP) with and without rubber seal. (Positive hook angle preferably for automatic feed. Manual feed also possible).

Axial-Angle blades for virtually burr-free, cleanset cuts and longest service life in window profiles made of PVC (also glass fibre reinforced-GRP)

SPECIFICALLY WITH RUBBER SEAL see Art. 11 1320, page 1107



> Triple-chip / flat tooth positive



TFP

MACHINE

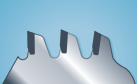
Table and sizing saws, double mitre saws, automatic cross-cut saws, CNC machining centers.

Movie



Window profiles & plastics. Positive hook angle

11 1000

Art.							
11 1000 200 010	• 200	3.2/2.5	30	54 TFP	UNI 1 + UNI 2	-	-
11 1000 200 020	• 200	2.8/2.2	30	72 TFP	UNI 1 + UNI 2	-	-
11 1000 225 010	• 225	2.5/1.8	30	68 TFP	UNI 1 + UNI 2	-	-
11 1000 250 010	• 250	3.2/2.5	30	60 TFP	UNI 1 + UNI 2	✓	-
11 1000 250 015	• 250	3.2/2.5	30	60 TFP	UNI 1 + UNI 2	✓	-
11 1000 250 017	• 250	3.2/2.5	30	80 TFP	UNI 1 + UNI 2	✓	-
11 1000 250 020	• 250	3.2/2.5	30	80 TFP	UNI 1 + UNI 2	✓	-
11 1000 250 030	• 250	3.2/2.5	32	80 TFP	UNI 2	✓	-
11 1000 275 010	• 275	3.2/2.5	40	72 TFP	2-9-55+4-12-64	✓	-
11 1000 280 010	• 280	3.2/2.5	30	68 TFP	UNI 1 + UNI 2	✓	-
11 1000 280 020	• 280	3.2/2.5	30	96 TFP	UNI 1 + UNI 2	✓	-
11 1000 300 010	• 300	3.2/2.5	30	72 TFP	UNI 1 + UNI 2	✓	-
11 1000 300 015	• 300	3.2/2.5	30	72 TFP	UNI 1 + UNI 2	✓	-
11 1000 300 017	• 300	3.2/2.5	30	96 TFP	UNI 1 + UNI 2	✓	-
11 1000 300 020	• 300	3.2/2.5	30	96 TFP	UNI 1 + UNI 2	✓	-
11 1000 300 030	• 300	3.2/2.5	32	72 TFP	UNI 2	✓	-
11 1000 300 040	• 300	3.2/2.5	32	96 TFP	UNI 2	✓	-
11 1000 300 050	• 300	3.2/2.5	40	96 TFP	2-9-55+4-12-64	✓	-
11 1000 320 010	• 320	3.2/2.5	30	84 TFP	UNI 1 + UNI 2	✓	-
11 1000 330 010	• 330	3.2/2.5	32/30	72 TFP	UNI 2	✓	-
11 1000 330 020	• 330	3.2/2.5	32/30	96 TFP	UNI 2	✓	-
11 1000 350 020	• 350	3.4/2.8	30	72 TFP	UNI 1 + UNI 2	✓	-
11 1000 350 025	• 350	3.6/2.8	30	84 TFP	UNI 1 + UNI 2	✓	-
11 1000 350 030	• 350	3.4/2.8	30	92 TFP	UNI 1 + UNI 2	✓	-
11 1000 350 040	• 350	3.4/2.8	30	108 TFP	UNI 1 + UNI 2	✓	-
11 1000 350 045	• 350	3.6/2.8	30	108 TFP	UNI 1 + UNI 2	✓	-
11 1000 350 050	• 350	3.4/2.8	32	92 TFP	UNI 2	✓	-
11 1000 350 060	• 350	3.4/2.8	32	108 TFP	UNI 2	✓	-
11 1000 350 070	• 350	3.4/2.8	40	92 TFP	2-9-55+4-12-64	✓	-
11 1000 350 080	• 350	3.4/2.8	40	108 TFP	2-9-55+4-12-64	✓	-
11 1000 370 010	• 370	3.6/3.0	30	96 TFP	UNI 1 + UNI 2	✓	-
11 1000 400 010	• 400	3.8/3.2	30	72 TFP	UNI 1 + UNI 2	✓	✓
11 1000 400 020	• 400	3.8/3.2	30	96 TFP	UNI 1 + UNI 2	✓	✓
11 1000 400 025	• 400	3.6/2.8	30	96 TFP	UNI 1 + UNI 2	✓	✓
11 1000 400 030	• 400	3.8/3.2	30	120 TFP	UNI 1 + UNI 2	✓	✓
11 1000 400 040	• 400	3.8/3.2	32	96 TFP	UNI 2	✓	✓
11 1000 400 050	• 400	3.8/3.2	40	96 TFP	4-12-64+2-15-80	✓	✓
11 1000 400 060	• 400	3.8/3.2	40	120 TFP	4-12-64+2-15-80	✓	✓
11 1000 400 070	• 400	3.8/3.2	50	96 TFP	4-15-80	✓	✓
11 1000 400 080	• 400	3.8/3.2	50	120 TFP	4-15-80	✓	✓
11 1000 420 010	• 420	4.0/3.2	30	72 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 420 020	• 420	4.0/3.2	30	96 TFP		✓	✓
11 1000 420 030	• 420	4.0/3.2	30	120 TFP		✓	✓
11 1000 430 010	% 430	4.0/3.2	30	96 TFP		✓	✓
11 1000 450 010	• 450	4.0/3.2	30	72 TFP	UNI 1 + UNI 2 + 2-10.5-70	✓	✓
11 1000 450 020	• 450	4.0/3.2	30	108 TFP	UNI 1 + UNI 2 + 2-10.5-70	✓	✓
11 1000 450 025	• 450	4.0/3.2	30	108 TFP	UNI 1 + UNI 2	✓	✓
11 1000 450 030	• 450	4.0/3.2	30	120 TFP	UNI 1 + UNI 2 + 2-10.5-70	✓	✓
11 1000 450 040	• 450	4.0/3.2	32	96 TFP	UNI 2	✓	✓
11 1000 450 050	• 450	4.0/3.2	32	120 TFP	UNI 2	✓	✓
11 1000 500 010	• 500	4.2/3.6	30	72 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 500 020	• 500	4.2/3.6	30	96 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 500 030	• 500	4.2/3.6	30	120 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 500 035	• 500	4.0/3.2	30	120 TFP	UNI 1 + UNI 2	✓	✓
11 1000 500 040	• 500	4.2/3.6	30	144 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 500 050	• 500	4.2/3.6	32	120 TFP	UNI 2	✓	✓
11 1000 500 060	• 500	4.2/3.6	32	144 TFP	UNI 2	✓	✓
11 1000 550 010	• 550	4.4/3.8	30	72 TFP	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1000 550 020	• 550	4.4/3.8	30	110 TFP		✓	✓
11 1000 550 030	• 550	4.4/3.8	30	144 TFP		✓	✓
11 1000 550 040	• 550	4.4/3.8	32	96 TFP	UNI 2	✓	✓
11 1000 550 050	• 550	4.4/3.8	32	128 TFP	UNI 2	✓	✓
11 1000 550 060	• 550	4.4/3.8	80	128 TFP	6-9-100	✓	✓
11 1000 600 010	% 600	4.6/4.0	30	140 TFP	UNI 1 + UNI 2	✓	✓
11 1000 600 015	• 600	4.6/4.0	30	140 TFP	UNI 1 + UNI 2	-	✓
-	○ 1000	-	-	-	-	up to Ø 1000 mm available on request	

% Sale item. While stocks last.

UNI 1 = 2-7-42+2-9-46.4 UNI 2 = 2-10-60+2-11-63+2-12-64

More Alu-Positive blades page 1099

Movie



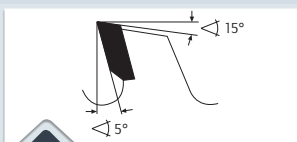
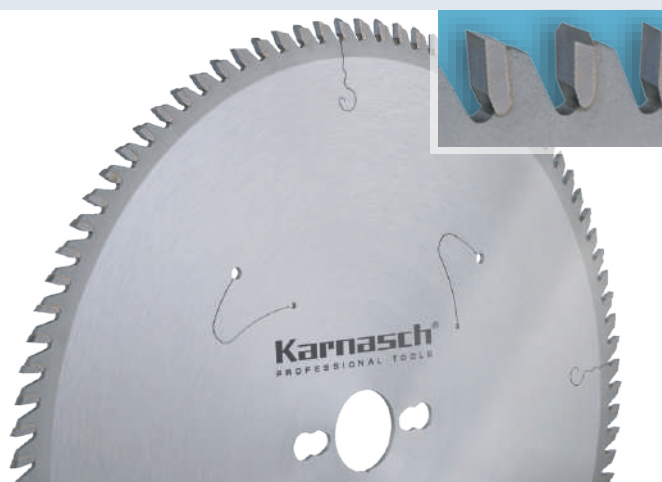
1097



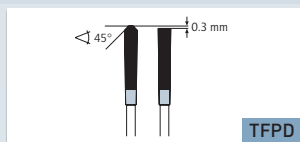
Index

11 1050

Window profiles & plastics. Positive hook angle / Thin-cut



> Triple-chip / flat tooth thin positive



MACHINE

Table and sizing saws, double mitre saws, automatic cross-cut saws, CNC machining centers, battery-Driven saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Non ferrous materials like aluminium, copper, brass
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®

APPLICATION

For sizing cuts and mitre cuts in thin-walled boards and hollow profiles, e.g. window profiles made of PVC, also glass fibre reinforced (GRP) with and without rubber seal. (Positive hook angle preferably for automatic feed. Manual feed also possible).

Due to the small cutting width less cutting pressure and waste. Therefore ideal also for battery-powered machines.

Axial-Angle blades for virtually burr-free, cleanset cuts and longest service life in window profiles made of PVC (also glass fibre reinforced-GRP)

SPECIFICALLY WITH RUBBER SEAL see Art. 11 1320, page 1107

Movie



Window profiles & plastics. Positive hook angle / Thin-cut

11 1050

Art.							
11 1050 250 003	• 250	2.2/1.8	30	60 TFPD	UNI 1 + UNI 2	✓	-
11 1050 250 005	• 250	2.2/1.8	30	80 TFPD	UNI 1 + UNI 2	✓	-
11 1050 250 010	• 250	2.2/1.8	30	100 TFPD	UNI 1 + UNI 2	✓	-
11 1050 250 020	• 250	2.2/1.8	30	120 TFPD	UNI 2	✓	-
11 1050 300 003	• 300	2.4/1.8	30	72 TFPD	UNI 1 + UNI 2	✓	-
11 1050 300 005	• 300	2.4/1.8	30	96 TFPD	UNI 1 + UNI 2	✓	-
11 1050 300 010	• 300	2.4/1.8	30	120 TFPD	UNI 1 + UNI 2	✓	-
11 1050 350 003	• 350	2.4/1.8	30	72 TFPD	UNI 1 + UNI 2	✓	-
11 1050 350 005	• 350	2.4/1.8	30	108 TFPD	UNI 1 + UNI 2	✓	-
11 1050 350 010	• 350	2.4/1.8	30	120 TFPD	UNI 1 + UNI 2	✓	-
11 1050 400 005	• 400	3.1/2.5	30	96 TFPD	UNI 1 + UNI 2	✓	✓
11 1050 400 010	• 400	3.1/2.5	30	128 TFPD	UNI 1 + UNI 2	✓	✓
11 1050 420 005	• 420	3.4/2.8	30	96 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 420 010	• 420	3.4/2.8	30	132 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 450 005	• 450	3.4/2.8	32	92 TFPD	UNI 2	✓	✓
11 1050 450 010	• 450	3.4/2.8	30	138 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 500 003	• 500	3.4/2.8	30	72 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 500 005	• 500	3.4/2.8	30	120 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 500 010	• 500	3.4/2.8	30	144 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 550 005	• 550	3.6/3.0	30	110 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1050 550 010	• 550	3.6/3.0	30	160 TFPD	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
-	○ 1000	-	-	-	-	up to Ø 1000 mm available on request	

UNI 1 = 2-7-42 + 2-9-46,40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

Thin-cut blades for highest cutting quality with little cutting pressure and a minimum of material waste

Thin-cut blades are therefore perfect for cutting plastics, precious wood and non ferrous metals such as aluminium, copper and brass. See Art. 11 1120 page 1103, 11 1150 page 1211, 11 1050 page 1099, 11 1425 page 1113 and 11 1430 page 1115

POWER.
PRECISION.
PERFORMANCE.



1



2



3



4



5



6



7



8



9



10



11



Index

11 1100

Window profiles & plastics. Negative hook angle

BEST
SELLER

✓ OPTIMAL

✓ GOOD

✓ POSSIBLE

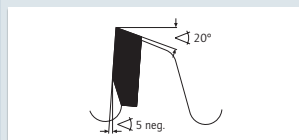
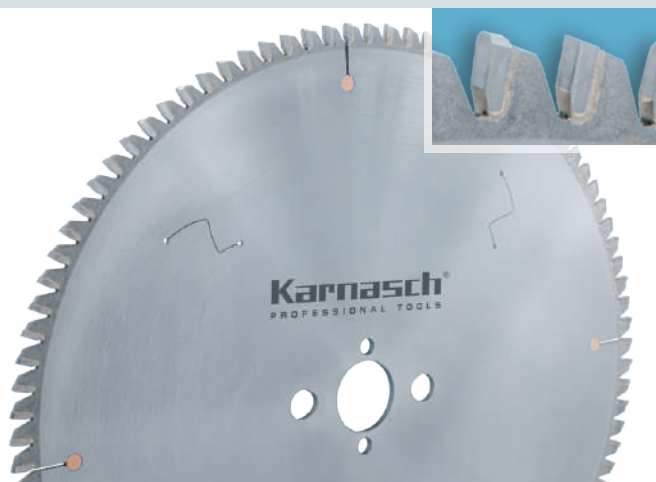
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Non ferrous materials like aluminium, copper, brass

APPLICATION

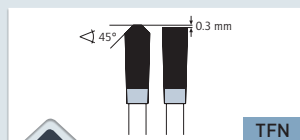
For sizing cuts and mitre cuts in thin/medium-walled hollow profiles, e.g. window profiles made of PVC, also glass fibre reinforced (GRP) with and without rubber seal. (Negative hook angle preferably for manual feed. Automatic feed also possible).

Axial-Angle blades for virtually burr-free, cleanest cuts and longest service life in window profiles made of PVC (also glass fibre reinforced-GRP)

SPECIFICALLY WITH RUBBER SEAL see Art. 11 1320, page 1107



> Triple-chip / flat tooth negative



MACHINE

Automatic cross-cut saws, Mitre and double mitre saws, CNC-machining centers, Table and sizing saws, Panel saws, Radial arm saws

Movie



1100

CONTACT INFORMATION

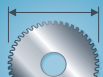
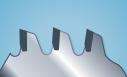
For more information please call +353 49 435 2138 or send an email to ask@atagroup.ie

Window profiles & plastics. Negative hook angle

11 1100

BEST
SELLER

Bestseller – price reduced

Art.							
11 1100 250 010	• 250	3.2/2.5	30	60 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 015	• 250	3.2/2.5	30	60 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 017	• 250	3.2/2.5	30	80 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 020	• 250	3.2/2.5	30	80 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 030	• 250	2.8/2.2	30	80 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 040	• 250	2.8/2.2	30	100 TFN	UNI 1 + UNI 2	✓	-
11 1100 250 050	• 250	3.2/2.5	32	60 TFN	UNI 2	✓	-
11 1100 250 060	• 250	3.2/2.5	32	80 TFN	UNI 2	✓	-
11 1100 250 070	• 250	3.2/2.5	32	100 TFN	UNI 2	✓	-
11 1100 275 010	• 275	3.2/2.5	40	88 TFN	2-9-55+4-12-64	✓	-
11 1100 275 020	• 275	3.2/2.5	40	110 TFN	2-9-55+4-12-64	✓	-
11 1100 280 010	• 280	3.2/2.5	30	88 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 010	• 300	3.2/2.5	30	72 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 015	• 300	3.2/2.5	30	72 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 017	• 300	3.2/2.5	30	96 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 020	• 300	3.2/2.5	30	96 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 030	• 300	2.8/2.2	30	120 TFN	UNI 1 + UNI 2	✓	-
11 1100 300 040	• 300	3.2/2.5	32	72 TFN	UNI 2	✓	-
11 1100 300 050	• 300	3.2/2.5	32	96 TFN	UNI 2	✓	-
11 1100 300 060	• 300	2.8/2.2	32	120 TFN	UNI 2	✓	-
11 1100 300 070	• 300	3.2/2.5	40	72 TFN	2-9-55+4-12-64	✓	-
11 1100 300 080	• 300	3.2/2.5	40	96 TFN	2-9-55+4-12-64	✓	-
11 1100 305 010	• 305	3.2/2.5	30	96 TFN	UNI 1 + UNI 2	✓	-
11 1100 330 010	• 330	3.2/2.5	30	72 TFN	UNI 1 + UNI 2	✓	-
11 1100 330 020	• 330	3.2/2.5	30	96 TFN	UNI 1 + UNI 2	✓	-
11 1100 330 030	• 330	2.8/2.2	30	120 TFN	UNI 1 + UNI 2	✓	-
11 1100 330 040	% 330	3.2/2.5	32	72 TFN	UNI 2	✓	-
11 1100 330 050	• 330	3.2/2.5	32	96 TFN	UNI 2	✓	-
11 1100 330 060	% 330	2.8/2.2	32	120 TFN	UNI 2	✓	-
11 1100 350 010	• 350	3.4/2.8	30	90 TFN	UNI 1 + UNI 2	✓	-
11 1100 350 015	• 350	3.6/2.8	30	84 TFN	UNI 1 + UNI 2	✓	-
11 1100 350 017	• 350	3.6/2.8	30	108 TFN	UNI 1 + UNI 2	✓	-
11 1100 350 020	• 350	3.4/2.8	30	108 TFN	UNI 1 + UNI 2	✓	-
11 1100 350 030	• 350	3.2/2.5	30	140 TFN	UNI 1 + UNI 2	✓	-
11 1100 350 040	• 350	3.4/2.8	32	90 TFN	UNI 2	✓	-
11 1100 350 050	• 350	3.4/2.8	32	108 TFN	UNI 2	✓	-
11 1100 350 060	• 350	3.4/2.8	40	84 TFN	2-9-55+4-12-64	✓	-
11 1100 350 070	• 350	3.4/2.8	40	108 TFN	2-9-55+4-12-64	✓	-
11 1100 350 080	• 350	3.4/2.8	50	84 TFN	4-15-80	✓	-
11 1100 350 090	• 350	3.4/2.8	50	108 TFN	4-15-80	✓	-
11 1100 370 010	• 370	3.6/3.0	30	90 TFN	UNI 1 + UNI 2	✓	-
11 1100 370 020	• 370	3.6/3.0	30	108 TFN	UNI 1 + UNI 2	✓	-
11 1100 380 010	• 380	3.8/3.2	32	90 TFN	UNI 2	✓	-
11 1100 380 020	• 380	3.8/3.2	32	110 TFN	UNI 2	✓	-
11 1100 380 030	• 380	3.8/3.2	32	132 TFN	UNI 2	✓	-
11 1100 400 010	• 400	3.8/3.2	30	96 TFN	UNI 1 + UNI 2	✓	✓
11 1100 400 015	• 400	3.6/2.8	30	96 TFN	UNI 1 + UNI 2	✓	✓
11 1100 400 020	• 400	3.8/3.2	30	108 TFN	UNI 1 + UNI 2	✓	✓
11 1100 400 030	• 400	3.8/3.2	30	120 TFN	UNI 1 + UNI 2	✓	✓
11 1100 400 035	• 400	3.6/2.8	30	120 TFN	UNI 1 + UNI 2	✓	✓
11 1100 400 040	• 400	3.8/3.2	32	96 TFN	UNI 2	✓	✓
11 1100 400 050	• 400	3.8/3.2	32	108 TFN	UNI 2	✓	✓
11 1100 400 060	• 400	3.8/3.2	32	120 TFN	UNI 2	✓	✓
11 1100 400 070	• 400	3.8/3.2	40	96 TFN	4-12-64+2-15-80	✓	✓
11 1100 400 080	• 400	3.8/3.2	40	120 TFN	4-12-64+2-15-80	✓	✓
11 1100 400 090	• 400	3.8/3.2	50	96 TFN	4-15-80	✓	✓
11 1100 400 100	• 400	3.8/3.2	50	120 TFN	4-15-80	✓	✓
11 1100 420 010	• 420	4.0/3.2	30	96 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 420 015	• 420	4.0/3.2	30	96 TFN	UNI 1 + UNI 2	✓	✓
11 1100 420 020	• 420	4.0/3.2	30	108 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 420 030	• 420	4.0/3.2	30	120 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 420 040	• 420	4.0/3.2	40	96 TFN	4-12-64+2-15-80	✓	✓
11 1100 420 050	• 420	4.0/3.2	40	108 TFN	4-12-64+2-15-80	✓	✓
11 1100 420 060	• 420	4.0/3.2	40	120 TFN	4-12-64+2-15-80	✓	✓
11 1100 450 010	• 450	4.0/3.2	30	108 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 450 015	• 450	4.0/3.2	30	108 TFN	UNI 1 + UNI 2	✓	✓
11 1100 450 020	• 450	4.0/3.2	30	128 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 500 010	• 500	4.2/3.6	30	120 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 500 015	• 500	4.0/3.2	30	120 TFN	UNI 1 + UNI 2	✓	✓
11 1100 500 020	• 500	4.2/3.6	30	140 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 520 010	• 520	4.2/3.6	30	120 TFN	-	✓	✓
11 1100 550 010	• 550	4.4/3.8	30	108 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 550 020	• 550	4.4/3.8	30	132 TFN	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1100 600 010	% 600	4.6/4.0	30	140 TFN	UNI 1 + UNI 2	✓	✓
11 1100 600 015	• 600	4.6/4.0	30	140 TFN	UNI 1 + UNI 2	✓	✓
-	○ 1000	-	-	-	-	up to Ø 1000 mm available on request	

% Sale item. While stocks last.

UNI 1 = 2-7-42 + 2-9-46.40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

More Aluminium Negativ blades see page 1093/1103

1

2

3

4

5

6

7

8

9

10

11

Index

1



2



3



4



5



6



7



8



9



10



11



11 1120

Window profiles & plastics. Negative hook angle / Thin-cut



✓ OPTIMAL

✓ GOOD

✓ POSSIBLE



Plastics, plexiglass, acrylics, duro- and thermoplastics



Non ferrous materials like aluminium, copper, brass

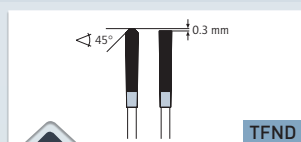
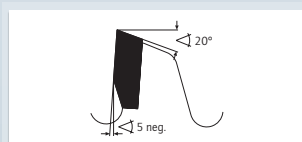
APPLICATION

For sizing cuts and mitre cuts in thin-walled boards and hollow profiles, e.g. window profiles made of PVC, also glass fibre reinforced (GRP) with and without rubber seal. (Negative hook angle preferably for manual feed. Automatic feed also possible).

Due to the small cutting width less cutting pressure and waste. Therefore ideal also for Battery-Powered machines.

Axial-Angle blades for virtually burr-free, cleanest cuts and longest service life in window profiles made of PVC (also glass fibre reinforced-GRP)

SPECIFICALLY WITH RUBBER SEAL see Art. 11 1320, page 1107



> Triple-chip / flat tooth negative thin-cut

TFND

MACHINE

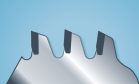
Automatic cross-cut saws, Mitre and double mitre saws, CNC-machining centers, Table and sizing saws, Panel saws, Radial arm saws, Portable machines, Battery-driven saws.

Movie



Window profiles & plastics. Negative hook angle / Thin-cut

11 1120

Art.							
11 1120 120 010	• 120	2.2/1.6	20	36 TFND	-	-	-
11 1120 136 010	• 136	2.2/1.6	20/10	40 TFND	2-6-32	-	-
11 1120 150 010	• 150	2.4/1.6	20/16	42 TFND	2-6-32	-	-
11 1120 160 010	• 160	2.4/1.8	20/16	42 TFND	2-6-32	-	-
11 1120 160 020	• 160	2.2/1.6	20/16	60 TFND	2-6-32	-	-
11 1120 160 030	• 160	2.4/1.8	30	42 TFND	UNI 1	-	-
11 1120 170 010	• 170	2.4/1.8	30	48 TFND	UNI 1	-	-
11 1120 180 010	• 180	2.4/1.8	30	48 TFND	UNI 1	-	-
11 1120 180 020	• 180	2.2/1.6	30	64 TFND	UNI 1	-	-
11 1120 190 010	• 190	2.4/1.8	30	54 TFND	UNI 1	-	-
11 1120 190 020	• 190	2.2/1.6	30	68 TFND	UNI 1	-	-
-	• 200	2.2/1.8	20	100 TFND	See Art. 11 1150, page 1211		-
11 1120 200 010	• 200	2.4/1.8	30	54 TFND	UNI 1	-	-
11 1120 200 020	• 200	2.2/1.6	30	68 TFND	UNI 1	✓	-
-	• 200	2.2/1.8	30	100 TFND	See Art. 11 1150, page 1211		-
-	• 200	2.2/1.8	32	100 TFND	See Art. 11 1150, page 1211		-
11 1120 210 010	• 210	2.4/1.8	30	54 TFND	UNI 1	-	-
11 1120 210 020	• 210	2.2/1.6	30	72 TFND	UNI 1	-	-
11 1120 216 010	• 216	2.4/1.8	30	60 TFND	UNI 1	-	-
11 1120 216 020	• 216	2.2/1.6	30	80 TFND	UNI 1	-	-
11 1120 220 010	• 220	2.4/1.8	30	64 TFND	UNI 1	-	-
11 1120 220 020	• 220	2.2/1.6	30	80 TFND	UNI 1	-	-
11 1120 225 010	• 225	2.4/1.8	30	64 TFND	UNI 1	-	-
11 1120 225 020	• 225	2.2/1.6	30	80 TFND	UNI 1	-	-
11 1120 230 010	• 230/235 ●	2.4/1.8	30	64 TFND	UNI 1	-	-
11 1120 230 020	• 230/235 ●	2.2/1.6	30	80 TFND	UNI 1	-	-
11 1120 250 010	• 250	2.8/2.2	30	80 TFND	UNI 1 + UNI 2	✓	-
11 1120 250 020	• 250	2.2/1.8	30	100 TFND	UNI 1 + UNI 2	✓	-
11 1120 250 030	• 250	2.2/1.8	32/30	120 TFND	UNI 2	✓	-
11 1120 260 010	• 260	2.4/1.8	30	68 TFND	UNI 1 + UNI 2	✓	-
11 1120 260 020	• 260	2.4/1.8	30	100 TFND	UNI 1 + UNI 2	✓	-
11 1120 270 010	• 270	2.4/1.8	30	80 TFND	UNI 1 + UNI 2	✓	-
11 1120 300 010	• 300	2.4/1.8	30	120 TFND	UNI 1 + UNI 2	✓	-
11 1120 305 010	• 305	2.6/2.0	30	80 TFND	UNI 1 + UNI 2	✓	-
11 1120 305 020	• 305	2.4/1.8	30	120 TFND	UNI 1 + UNI 2	✓	-
11 1120 330 010	• 330	2.4/1.8	30	96 TFND	UNI 1 + UNI 2	✓	-
11 1120 330 020	• 330	2.4/1.8	30	120 TFND	UNI 1 + UNI 2	✓	-
11 1120 330 030	• 330	2.4/1.8	32	96 TFND	UNI 2	✓	-
11 1120 330 040	• 330	2.4/1.8	32	120 TFND	UNI 2	✓	-
11 1120 350 010	• 350	2.4/1.8	30	120 TFND	UNI 1 + UNI 2	✓	-
11 1120 400 010	• 400	3.1/2.5	30	130 TFND	UNI 1 + UNI 2	✓	✓
11 1120 420 010	• 420	3.4/2.8	30	132 TFND	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1120 450 010	• 450	3.4/2.8	30	138 TFND	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1120 500 010	• 500	3.4/2.8	30	144 TFND	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1120 550 010	• 550	3.6/3.0	30	160 TFND		✓	✓
-	○ 1000	-	-	-	-	up to Ø 1000 mm available on request	

● Sale item. While stocks last.

● Manufactured 232.50 mm

UNI 1 = 2-7-42 + 2-9-46.40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

1

2

3

4

5

6

7

8

9

10

11

Index

1



2



3



4



5



6



7



8



9



10

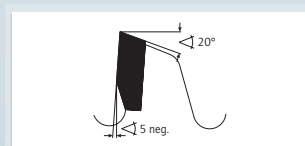


11

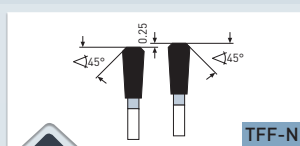


11 1130

Hard plastics · Abrasive materials · Finishing-cut/Thin-cut · Negative



> Triple-chip/flat tooth negative



TFF-N

MACHINE

For portable circular saws, bench- and sizing saws, panel sizing saws, cross-cut saws, cordless saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Thin iron sheets, sandwich material, composites
✓		Thin profiles made of non ferrous materials like alu, copper, brass

APPLICATION

Due to special carbide / tooth geometry excellent for finishing cuts in thin plates and profiles made of hard plastics (thermoplastics) such as: PVC, PE, PA, ABS, PS, POM PC, PMMA e.g. hollow section boards of PMMA (acrylic glass).

Also good for abrasive, heavy machining and abrading materials such as: GRP, CRP, fibre cement panels, gypsum, fibre boards, eternit.

Also excellent for sandwich materials with thin layers.
Maximum layer thickness for non-ferrous-metals / plastics = 1.0 mm
Maximum layer thickness iron sheet metal = 0.3 mm
Excellent also for thin profiles up to 1 mm thickness made of non-ferrous metal such as aluminium, copper, brass.

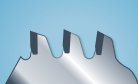
Due to thin cutting width little cutting pressure and waste of material. Therefore also ideal for cordless machines.

Movie



Hard plastics · Abrasive materials · Finishing-cut/Thin-cut · Negative

11 1130

Art.							
11 1130 120 010	• 120	1.8/1.2	20	48 TFF-N	-	-	-
11 1130 136 010	• 136	1.8/1.2	20/10	56 TFF-N	2-6-32	-	-
11 1130 160 010	• 160	1.8/1.2	20/16	64 TFF-N	2-6-32	-	-
11 1130 190 010	• 190	1.8/1.2	30	72 TFF-N	UNI 1	-	-
11 1130 200 010	• 200	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 210 010	• 210	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 216 010	• 216	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 230 010	• 230/235 ●	2.0/1.4	30	108 TFF-N	UNI 1	-	-
11 1130 250 010	• 250	2.2/1.8	30	120 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 260 010	• 260	2.2/1.8	30	120 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 300 010	• 300	2.4/1.8	30	128 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 305 010	• 305	2.4/1.8	30	128 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 330 010	• 330	2.4/1.8	30	132 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 350 010	• 350	2.4/1.8	30	132 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 350 020	• 350	2.4/1.8	32	132 TFF-N	UNI 2	✓	-
11 1130 380 010	• 380	2.4/1.8	32	132 TFF-N	UNI 2	✓	-
11 1130 400 010	• 400	3.1/2.5	30	138 TFF-N	UNI 1 + UNI 2	✓	✓
11 1130 400 020	• 400	3.1/2.5	32	138 TFF-N	UNI 2	✓	✓
11 1130 420 010	• 420	3.4/2.8	30	138 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1130 420 020	• 420	3.4/2.8	40	138 TFF-N	4-12-64 + 2-15-80	✓	✓
11 1130 450 010	• 450	3.4/2.8	30	144 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1130 500 010	• 500	3.4/2.8	30	148 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓

● Manufactured 232.50 mm

UNI 1 = 2-7-42 + 2-9-46.40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

1



2



3



4



5



6



7



8



9



10



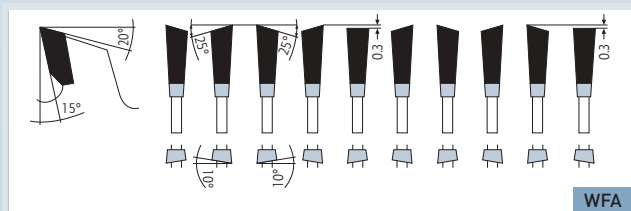
11



Index

11 1320

Window profiles with rubber seal & plastics



> Alternate top bevel / flat tooth with axial angle

MACHINE

Vertical panel sizing saws, trimming saws, double mitre saws, mechanical chop saws, under frame mounted chop saws, machining centers with saw aggregate.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Veneers
✓		Profiled wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®

APPLICATION

Excellent, splinter-free finishing-cut quality. For sizing and mitre cuts in thin-walled hollow profiles and boards of plastic, e.g. window profiles of PVC (Polyvinyl Chloride). Due to the aggressive cutting geometry even the rubber seals in window profiles will be **cut without fraying**.

Excellent and splinter-free finishing-cut quality also in plastic profiles/door frames veneered of foil-sheathed, sizing films on rolls of PVC, printed decorative (AC) paper, decor finish films, wooden based materials including material with very thick top layers and solid wood across the grain. Also good cutting results in glass fibre and carbon fibre reinforced plastics (GRP, CRP)

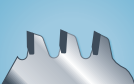
Excellent results in window profiles made of fibre composites. For example from company REHAU Geneo-windows made of RAU-FIBRO®

Movie



Window profiles with rubber seal & plastics

11 1320

Art.						
11 1320 200 010	• 200	3.0/2.2	30	60 WFA	2-6,2-42 + 4-6-52 + 4-6,6-60	-
11 1320 220 010	% 220	3.0/2.2	30	70 WFA	UNI	-
11 1320 250 010	• 250	3.0/2.2	30	80 WFA	UNI	✓
11 1320 303 010	• 303	3.0/2.2	30	100 WFA	UNI	✓
11 1320 350 010	• 350	3.0/2.2	30	100 WFA	UNI	✓
11 1320 400 010	• 400	3.0/2.2	30	120 WFA	UNI	✓
11 1320 450 010	• 450	3.6/2.8	30	130 WFA	UNI	✓
11 1320 500 010	• 500	3.6/2.8	30	140 WFA	UNI	✓

% Sale item. While stocks last.

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

Splinter and fraying free cutting in plastics, solid wood and window rubber seals.

(See Art. 11 1320)

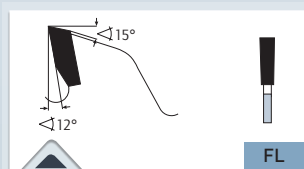
POWER.
PRECISION.
PERFORMANCE.

11 1320



11 1350

Diamond Universal



> Flat tooth

MACHINE

For hand-held circular saws, mitre saws, cross-cut saws, table and sizing saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Autoclaved aerated concrete blocks
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF

APPLICATION

Due to DP (Polycrystalline Diamond) teeth excellent for sizing, formatting, cross cuts in extreme abrasive, heavy machining and abrading materials such as: Corian, Trespa, laminates, MDF, gypsum and cement-bonded boards (fibre cement), Rockwool boards, Heraklith products, Eternit.

Circular saws with the lowest number of teeth as: 160 mm with 4 teeth, 190 mm with 6 teeth, 230 mm with 6 teeth, 250 mm with 6 teeth und 300 mm with 8 teeth, are specially designed for gypsum and cement-bonded panels (fibre cement).

Also excellent for Duroplastic materials such as: Glass fibre plastic (GRP), Carbon fibre plastic (CRP), Carbon, Aramid fibre plastic (AFK), HP, HPL, PUR.

Lower tooth row for sizing, higher tooth row for format cuts. Attention: no finishing cut blade (DP-Tip height = 4 mm).

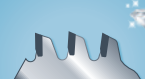
Finishing cut-blades see Art. 11 1370 page 1111

Movie



Diamond Universal

11 1350

Art.						
11 1350 120 010	• 120	2.2/1.6	20	6 FL	-	-
11 1350 136 010	• 136	2.2/1.6	20	6 FL	2-6-32	-
11 1350 160 005	• 160	2.2/1.6	20/16	4 FL	2-6-32.5	-
11 1350 160 010	• 160	2.2/1.6	20/16	8 FL	2-6-32.5	-
11 1350 160 020	• 160	2.2/1.6	20/16	30 FL	2-6-32.5	-
11 1350 180 010	• 180	2.2/1.6	30/20	8 FL	2-7-42	-
11 1350 190 010	• 190	2.2/1.6	30/20	8 FL	2-7-42	✓
11 1350 190 015	• 190	2.2/1.6	30/20	12 FL	2-7-42	✓
11 1350 190 020	• 190	2.2/1.6	30/20	30 FL	2-7-42	✓
11 1350 210 005	• 210	2.2/1.6	30	8 FL	UNI	✓
11 1350 210 010	• 210	2.2/1.6	30	12 FL	UNI	✓
11 1350 210 020	• 210	2.2/1.6	30	30 FL	UNI	✓
11 1350 216 005	• 216	2.2/1.6	30	8 FL	UNI	✓
11 1350 216 010	• 216	2.2/1.6	30	12 FL	UNI	✓
11 1350 216 020	• 216	2.2/1.6	30	30 FL	UNI	✓
11 1350 230 005	• 230	2.4/1.8	30	6 FL	UNI	✓
11 1350 230 007	• 230	2.4/1.8	30	8 FL	UNI	✓
11 1350 230 010	• 230	2.4/1.8	30	15 FL	UNI	✓
11 1350 230 020	• 230	2.4/1.8	30	30 FL	UNI	✓
11 1350 250 005	• 250	2.4/1.8	30	6 FL	UNI	✓
11 1350 250 007	• 250	2.4/1.8	30	8 FL	UNI	✓
11 1350 250 010	• 250	2.4/1.8	30	16 FL	UNI	✓
11 1350 250 015	• 250	2.4/1.8	30	28 FL	UNI	✓
11 1350 250 020	• 250	2.4/1.8	30	40 FL	UNI	✓
11 1350 250 030	• 250	2.4/1.8	30	48 FL	UNI	✓
11 1350 300 005	• 300	2.6/2.0	30	8 FL	UNI	✓
11 1350 300 015	• 300	2.6/1.8	30	18 FL	UNI	✓
11 1350 300 020	• 300	2.6/2.0	30	36 FL	UNI	✓
11 1350 300 030	• 300	2.6/2.0	30	48 FL	UNI	✓
11 1350 300 040	• 300	2.6/2.0	30	60 FL	UNI	✓
11 1350 350 002	• 350	2.8/2.2	30	10 FL	UNI	✓
11 1350 350 004	• 350	2.8/2.2	30	24 FL	UNI	✓
11 1350 350 006	• 350	2.8/2.2	30	36 FL	UNI	✓
11 1350 350 008	• 350	2.8/2.2	30	48 FL	UNI	✓
11 1350 350 010	• 350	2.8/2.2	30	60 FL	UNI	✓

• Sale item. While stocks last. · UNI = 2-7-42 + 2-9-46.40 + 2-10-60

1

2

3

4

5

6

7

8

9

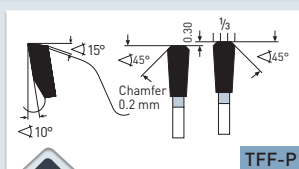
10

11

Index

11 1370

Diamond · Panel-sizing · Finishing cut · Hard plastics · Abrasive Materials



> Triple-chip/flat tooth (with protective chamfer on both sides)

MACHINE

For sizing saws, panel saws, bench saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material

APPLICATION

Due to DP (Polycrystalline Diamond) teeth extremely long tool life compared to carbide tipped circular saws. Excellent for sizing, formatting, cross cuts in extreme abrasive, heavy machining and abrading materials such as: Corian, Trespa, laminates, MDF, gypsum and cement-bonded boards, Rockwool boards, Heraklith products, Eternit.

Also excellent for Duroplastic materials such as: Glass fibre plastic (GRP), Carbon fibre plastic (CRP), Carbon, Aramid fibre plastic (AFK), HP, HPL, PUR.

For finishing cuts in solid thermoplastic boards (PMMA, acrylic glass, polyethylene, polyamide etc.) and solid duroplastic boards (HPL-high-pressure-laminate, HP-Hardpaper, phenolic resin bonded paper, phenolic laminated cotton sheets, Trespa, Resopal, Multiplex). Also for polymerbound plastics, mineral materials such as Corian, Noblan, Hi-Macs, Staron, Rausolid etc.

Excellent also for finishing cuts in double-side plastic coated boards, preferably in combination with coring saw blades. Ideal also for cutting plastic profiles.

Movie



1

2

3

4

5

6

7

8

9

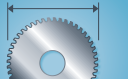
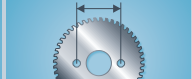
10

i

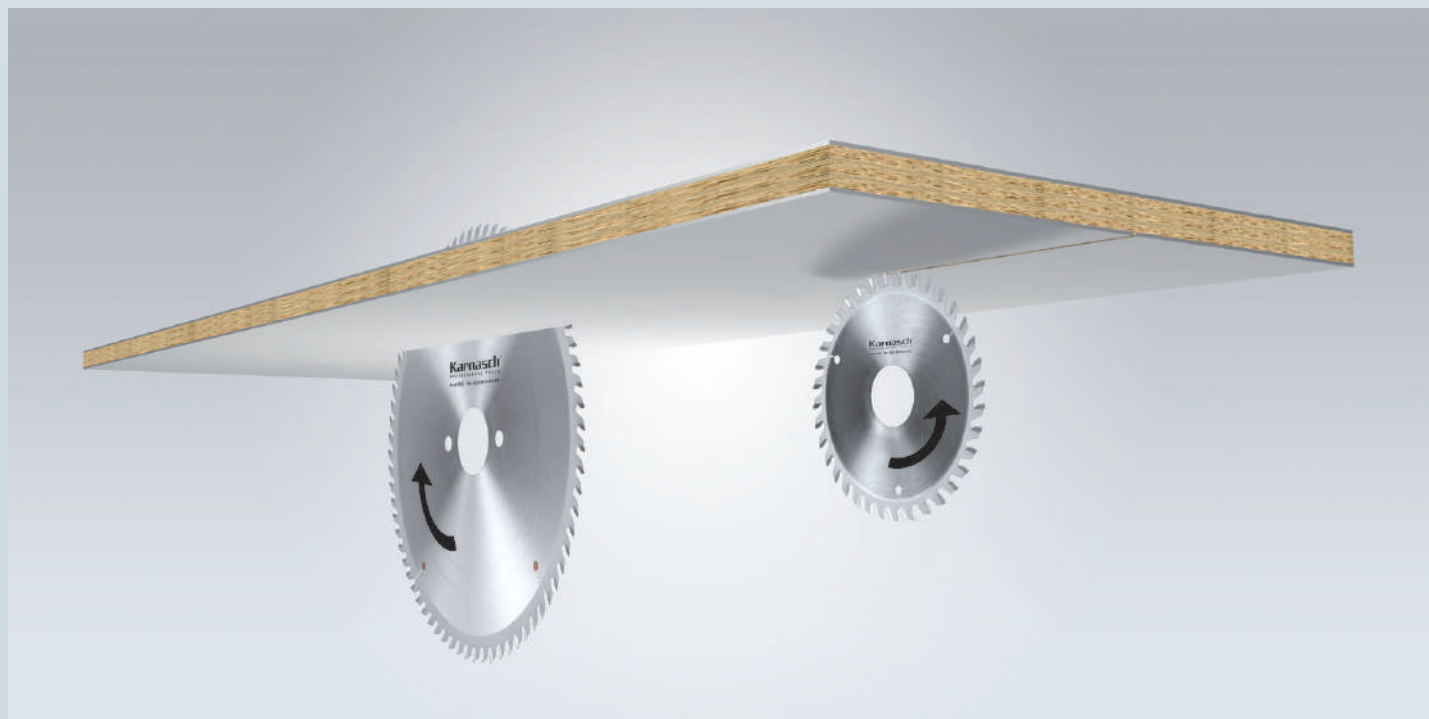
11

Diamond · Panel-sizing · Finishing cut · Hard plastics · Abrasive Materials

11 1370

Art.							DP-Tip high
11 1370 250 020		 250	 3.2/2.2	 30	 80 TFF-P	 UNI	 5 mm

 Sale item. While stocks last.
UNI = 2-7-42 + 2-9-46.40 + 2-10-60



For plastic coated/melamine boards scoring recommended. Scorer see page 1155/1209. Cutting of coated/veneered boards without scorer see page 1107, 1177, 1179, 1181, 1183, 1184

1



2



3



4



5



6



7



8



9



10



11



1



2



3



4



5



6



7



8



9



10



11



11 1425

Plastics · Profiles · Veneers/Thin-cut

✓ OPTIMAL

✓ GOOD

✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Veneers
✓		Profiled wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®

APPLICATION

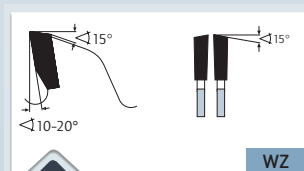
Due to thin-cut also ideal for battery machines and for cutting expensive precious wood, veneer, strips because of less waste/battery consumption.

Low number of teeth: Coarse to medium cutting quality in all wooden materials, precious wood and solid wood across and along the grain, panel and boards one-side plastic coated/veneered, paper-based laminate, thicker plastic profiles and plates (Thermoplastics). High feed rate possible

Medium number of teeth: Good cutting quality in all wooden materials, precious wood, solid wood and strips across and along the grain, panel and boards one-side/two side plastic coated/veneered, paper-based laminate, veneer and veneer packages, plastic profiles/plates (Thermoplastics, Duroplastics)

High number of teeth: Very good cutting quality in all wooden materials, precious wood, solid wood and strips preferably across the grain, panel and boards two side plastic coated/veneered, paper-based laminate, veneer and veneer packages, plastic profiles/plates (Thermoplastics, Duroplastics)

Due to special carbide also excellent for cutting hard thermoplastics such as thin panels, hollow section boards Made of PC (Polycarbonate), PMMA (Acrylic-glass/Plexiglass). See here also article 11 1430, page 1115



> Alternative top bevel

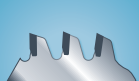
MACHINE

For portable circular saws, table- and sizing saws, panel sizing saws, cross-cut saws, cordless saws.

Movie



Bestseller – price reduced

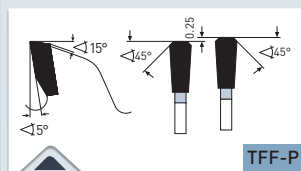
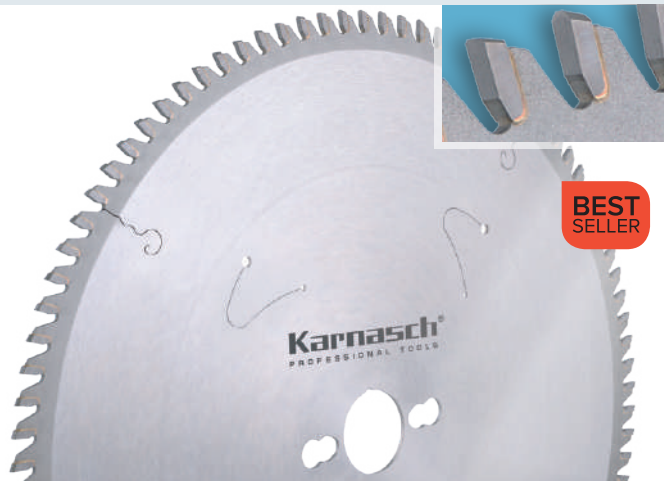
Art.							
11 1425 120 010	● 120	1.8/1.2	20	12 WZ	20	-	-
11 1425 120 020	● 120	1.8/1.2	20	28 WZ	15	-	-
11 1425 120 030	● 120	1.8/1.2	20	44 WZ	10	-	-
11 1425 136 010	● 136	1.8/1.2	20/10	14 WZ	20	-	-
11 1425 136 020	● 136	1.8/1.2	20/10	30 WZ	15	-	-
11 1425 136 030	● 136	1.8/1.2	20/10	48 WZ	10	-	-
11 1425 160 010	● 160	1.8/1.2	20/16	16 WZ	20	2-6-32	-
11 1425 160 020	● 160	1.8/1.2	20/16	32 WZ	15	2-6-32	-
11 1425 160 030	● 160	1.8/1.2	20/16	54 WZ	10	2-6-32	-
11 1425 160 040	● 160	1.8/1.2	20/16	68 WZ	10	2-6-32	-
11 1425 165 010	● 165	1.8/1.2	20	16 WZ	20	2-6-32	-
11 1425 165 020	● 165	1.8/1.2	20	32 WZ	15	2-6-32	-
11 1425 165 030	● 165	1.8/1.2	20	54 WZ	10	2-6-32	-
11 1425 165 040	● 165	1.8/1.2	20	68 WZ	10	2-6-32	-
11 1425 180 010	● 180	1.8/1.2	20/16	18 WZ	20	2-6-32	-
11 1425 180 020	● 180	1.8/1.2	20/16	40 WZ	15	2-6-32	-
11 1425 180 030	● 180	1.8/1.2	20/16	60 WZ	10	2-6-32	-
11 1425 180 040	● 180	1.8/1.2	20/16	76 WZ	10	2-6-32	-
11 1425 190 010	● 190	1.8/1.2	30/20	18 WZ	20	2-7-42	-
11 1425 190 020	● 190	1.8/1.2	30/20	42 WZ	15	2-7-42	-
11 1425 190 030	● 190	1.8/1.2	30/20	60 WZ	10	2-7-42	-
11 1425 190 040	● 190	1.8/1.2	30/20	76 WZ	10	2-7-42	-
11 1425 200 010	● 200	2.0/1.4	30	18 WZ	20	2-7-42	-
11 1425 200 020	● 200	2.0/1.4	30	42 WZ	15	2-7-42	-
11 1425 200 030	● 200	2.0/1.4	30	64 WZ	10	2-7-42	-
11 1425 200 040	● 200	2.0/1.4	30	80 WZ	10	2-7-42	-
11 1425 210 010	● 210	2.0/1.4	30	20 WZ	20	2-7-42	-
11 1425 210 020	● 210	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 210 030	● 210	2.0/1.4	30	64 WZ	10	2-7-42	-
11 1425 210 040	● 210	2.0/1.4	30	80 WZ	10	-	-
11 1425 216 010	● 216	2.0/1.4	30	20 WZ	20	2-7-42	-
11 1425 216 020	● 216	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 216 030	● 216	2.0/1.4	30	64 WZ	10	2-7-42	-
11 1425 216 040	● 216	2.0/1.4	30	80 WZ	10	2-7-42	-
11 1425 220 010	● 220	2.0/1.4	30	48 WZ	20	2-7-42	-
11 1425 225 010	● 225	2.0/1.4	30	24 WZ	20	2-7-42	-
11 1425 225 020	● 225	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 225 030	● 225	2.0/1.4	30	68 WZ	10	2-7-42	-
11 1425 225 040	● 225	2.0/1.4	30	88 WZ	10	2-7-42	-
11 1425 230 010	● 230/235 ●	2.0/1.4	30	24 WZ	20	2-7-42	-
11 1425 230 020	● 230/235 ●	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 230 030	● 230/235 ●	2.0/1.4	30	68 WZ	10	2-7-42	-
11 1425 230 040	● 230/235 ●	2.0/1.4	30	88 WZ	10	2-7-42	-
11 1425 250 010	● 250	2.2/1.6	30	30 WZ	20	UNI	✓
11 1425 250 020	● 250	2.2/1.6	30	56 WZ	15	UNI	✓
11 1425 250 030	● 250	2.2/1.6	30	80 WZ	10	UNI	✓
11 1425 250 040	● 250	2.2/1.6	30	100 WZ	10	UNI	✓
11 1425 260 010	● 260	2.2/1.6	30	30 WZ	20	UNI	✓
11 1425 260 020	● 260	2.2/1.6	30	56 WZ	15	UNI	✓
11 1425 260 030	● 260	2.2/1.6	30	80 WZ	10	UNI	✓
11 1425 270 010	● 270	2.2/1.6	30	30 WZ	20	UNI	✓
11 1425 270 020	● 270	2.2/1.6	30	56 WZ	15	UNI	✓
11 1425 270 030	● 270	2.2/1.6	30	80 WZ	10	UNI	✓
11 1425 300 010	● 300	2.2/1.6	30	36 WZ	20	UNI	✓
11 1425 300 020	● 300	2.2/1.6	30	60 WZ	15	UNI	✓
11 1425 300 030	● 300	2.2/1.6	30	96 WZ	10	UNI	✓
11 1425 300 040	● 300	2.2/1.6	30	120 WZ	10	UNI	✓
11 1425 350 010	● 350	2.4/1.8	30	42 WZ	20	UNI	✓
11 1425 350 020	● 350	2.4/1.8	30	72 WZ	15	UNI	✓
11 1425 350 030	● 350	2.4/1.8	30	108 WZ	10	UNI	✓
11 1425 350 040	● 350	2.4/1.8	30	140 WZ	10	UNI	✓
11 1425 400 010	● 400	2.8/2.2	30	60 WZ	15	UNI	✓
11 1425 400 020	● 400	2.8/2.2	30	96 WZ	10	UNI	✓
11 1425 400 030	● 400	2.8/2.2	30	120 WZ	10	UNI	✓
11 1425 450 010	● 450	3.1/2.5	30	66 WZ	15	UNI	✓
11 1425 450 020	● 450	3.1/2.5	30	108 WZ	10	UNI	✓
11 1425 450 030	● 450	3.1/2.5	30	130 WZ	10	UNI	✓
11 1425 500 010	● 500	3.4/2.8	30	72 WZ	15	UNI+2-10-80	✓
11 1425 500 020	● 500	3.4/2.8	30	120 WZ	10	UNI+2-10-80	✓
11 1425 500 030	● 500	3.4/2.8	30	144 WZ	10	UNI+2-10-80	✓

● Manufactured 232.50 mm · UNI = 2-7-42 + 2-9-46.40 + 2-10-60



11 1430

Hard plastics · Abrasive materials · Finishing-cut/Thin-cut



> Triple-chip/triple-chip teeth

MACHINE

For portable circular saws, bench- and sizing saws, panel sizing saws, cross-cut saws, cordless saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Thin profiles made of non ferrous materials like alu, copper, brass
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Thin iron sheets, sandwich material, composites

APPLICATION

Sizing and cross cuts profiles, plates, blocks and rods made of aluminium, brass, copper and plastics.

Due to special carbide / tooth geometry excellent for finishing cuts in thin plates and profiles made of hard plastics (thermoplastics) such as: PVC, PE, PA, ABS, PS, POM, PC, PMMA e.g. hollow section boards of PMMA (acrylic glass) and abrasive materials such as: GRP, CRP, fibre cement panels, gypsum, fibre boards, eternit.

Also suitable for sandwich materials with thin layers.
Maximum layer thickness for non-ferrous-metals = 1.0 mm
Maximum layer thickness steel sheet = 0.3 mm

Due to TFF-P cut:

- Almost burr-free finishing-cut quality also at the lower side/exit of the workpiece
- Excellent cutting quality at the cut surface (almost mirror finish)
- Even better lifetime

Due to thin cutting width:

- Less waste
- Less wear/energy consumption of the machine
- With hand-held machines and manual feed much less effort, therefore excellent for cordless machines

You want:

- Even higher number of teeth to improve the cutting quality/tool life?
 - Due to negative rake angle improves control with manual feed?
 - Due to negative rake angle higher insensitivity to tooth breakage?
- ... see art. 11 1130, page 1135

Special design for anodised or lacquered aluminium on request.

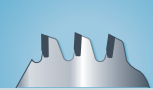
Movie



Hard plastics · Abrasive materials · Finishing-cut/Thin-cut

11 1430

Bestseller – price reduced

Art.						
11 1430 120 010	• 120	1.8/1.2	20	40 TFF-P	-	-
11 1430 136 010	• 136	1.8/1.2	20/10	48 TFF-P	-	-
11 1430 160 010	• 160	1.8/1.2	20/16	56 TFF-P	2-6-32	-
11 1430 180 010	• 180	1.8/1.2	20/16	60 TFF-P	2-6-32	-
11 1430 190 010	• 190	1.8/1.2	30/20	60 TFF-P	2-7-42	-
11 1430 200 010	• 200	2.0/1.4	30	64 TFF-P	2-7-42	-
11 1430 210 010	• 210	2.0/1.4	30	64 TFF-P	2-7-42	-
11 1430 225 010	• 225	2.0/1.4	30	68 TFF-P	2-7-42	-
11 1430 230 010	• 230/235 ●	2.0/1.4	30	68 TFF-P	2-7-42	-
11 1430 250 010	• 250	2.4/1.8	30	80 TFF-P	UNI	✓
11 1430 250 020	• 250	2.2/1.8	30	120 TFF-P	UNI	✓
11 1430 300 010	• 300	2.4/1.8	30	96 TFF-P	UNI	✓
11 1430 300 020	• 300	2.4/1.8	30	128 TFF-P	UNI	✓
11 1430 350 010	• 350	2.4/1.8	30	108 TFF-P	UNI	✓
11 1430 350 020	• 350	2.4/1.8	30	132 TFF-P	UNI	✓
11 1430 400 010	• 400	3.2/2.5	30	120 TFF-P	UNI	✓
11 1430 400 020	• 400	3.1/2.5	30	138 TFF-P	UNI	✓
11 1430 450 010	• 450	3.5/2.8	30	132 TFF-P	UNI	✓
11 1430 450 020	• 450	3.4/2.8	30	144 TFF-P	UNI	✓
11 1430 500 010	• 500	3.5/2.8	30	144 TFF-P	UNI	✓

● Manufactured 232.50 mm · UNI = 2-7-42 + 2-9-46.40 + 2-10-60

Insights into the Karnasch high-tech production.

POWER.
PRECISION.
PERFORMANCE.

Roughness measurement



100% monitoring



1



2



3



4



5



6



7



8



9



10

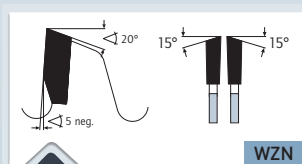


11



11 1450

Chop- and mitre circular saws alternate top bevel tooth/negative



> Alternate top bevel negative

MACHINE

Special selection for chop- and mitre saws, radial saws, pendulum saws, top clipping saws, table saws, trimming saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Profiled wood

APPLICATION

For cross cuts in soft and hard wood, wooden materials, glued wood, plywood, veneered or coated boards.

Due to special carbide also excellent for plastics such as: plastic laminated profiles, thin acrylic glass, duroplast profiles and strips (high number of teeth recommended).

Also for hard thermoplastics such as PA, PE, PS, POM, ABS.

Due to the negative tooth shape, that saw blade can be guided easier by hand and is not pulled into the material to be cut.

Movie



Chop- and mitre circular saws alternate top bevel tooth/negative

11 1450

Art.						
11 1450 210 010	• 210	2.8/1.8	30	24 WZN	2-7-42	-
11 1450 210 020	• 210	2.8/1.8	30	48 WZN	2-7-42	-
11 1450 210 030	• 210	2.8/1.8	30	80 WZN	2-7-42	-
11 1450 216 010	• 216	2.8/1.8	30	24 WZN	2-7-42	-
11 1450 216 020	• 216	2.8/1.8	30	48 WZN	2-7-42	-
11 1450 216 030	• 216	2.8/1.8	30	60 WZN	2-7-42	-
11 1450 216 040	• 216	2.8/1.8	30	80 WZN	2-7-42	-
11 1450 250 010	• 250	3.2/2.2	30	24 WZN	UNI	✓
11 1450 250 020	• 250	3.2/2.2	30	40 WZN	UNI	✓
11 1450 250 030	• 250	3.2/2.2	30	60 WZN	UNI	✓
11 1450 250 040	• 250	3.2/2.2	30	80 WZN	UNI	✓
11 1450 260 010	• 260	2.5/1.8	30	48 WZN	UNI	✓
11 1450 260 020	• 260	2.5/1.8	30	60 WZN	UNI	✓
11 1450 260 030	• 260	2.5/1.8	30	80 WZN	UNI	✓
11 1450 300 010	• 300	3.2/2.2	30	72 WZN	UNI	✓
11 1450 305 010	• 305	2.6/1.8	30	32 WZN	UNI	✓
11 1450 305 020	• 305	2.6/1.8	30	48 WZN	UNI	✓
11 1450 305 030	• 305	2.6/1.8	30	60 WZN	UNI	✓
11 1450 305 040	• 305	2.6/1.8	30	72 WZN	UNI	✓
11 1450 305 050	• 305	2.6/1.8	30	96 WZN	UNI	✓
11 1450 350 010	• 350	4.4/2.8	30	42 WZN	UNI	✓
11 1450 400 010	• 400	4.4/2.8	30	48 WZN	UNI	✓
11 1450 420 010	• 420	4.2/2.8	40/30	48 WZN	2-10-60+2-11-63+2-12-64	✓
11 1450 420 020	• 420	3.5/2.5	40/30	84 WZN	2-10-60+2-11-63+2-12-64	✓
11 1450 450 010	• 450	4.4/2.8	30	54 WZN	UNI	✓
11 1450 500 010	• 500	4.4/2.8	30	60 WZN	UNI	✓
11 1450 550 010	• 550	4.8/3.4	30	64 WZN	UNI	✓
11 1450 600 010	• 600	5.4/4.0	30	72 WZN	UNI	✓

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

• Sale item. While stocks last.

Quality products for metalworking.

**RELIABLE
PERFORMANCE
IN EVERYDAY SERVICE**

1

2

3

4

5

6

7

8

9

10

11

1



2



3



4



5



6



7



8



9



10

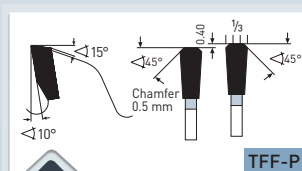
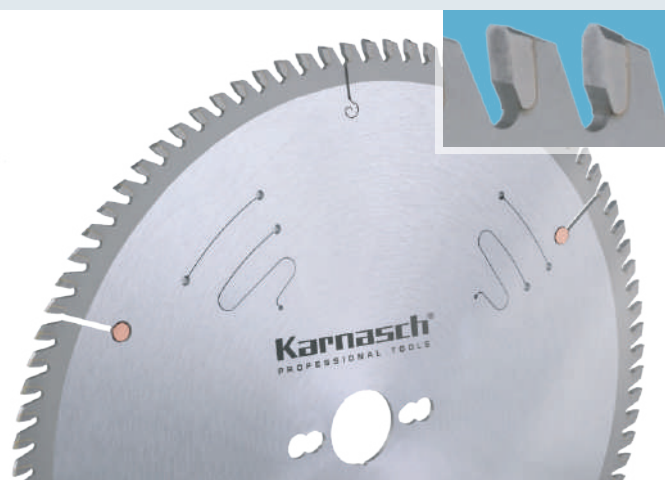


11



11 1460

Panel-sizing · Finishing cut · Hard plastics · Abrasive materials



> Triple-chip/flat tooth (flat tooth with chamfer on both sides)

MACHINE

For sizing saws, panel saws, bench saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material

APPLICATION

For sizing panels of various thicknesses, cutting stacks made of thermoplastics such as: PVC, PE, PA, ABS, PS, POM.

Excellent also for cutting plastic profiles and finishing cuts in double-side plastic coated chip- and hard fibre materials/boards in combination with scoring saw blades.

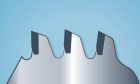
Due to special carbide teeth also good for cutting abrasive, heavy machining and abrading materials such as HPL, high-pressure-laminate (Trespa, Resopal) and mineral materials such as corian, noblan, staron etc.

Movie

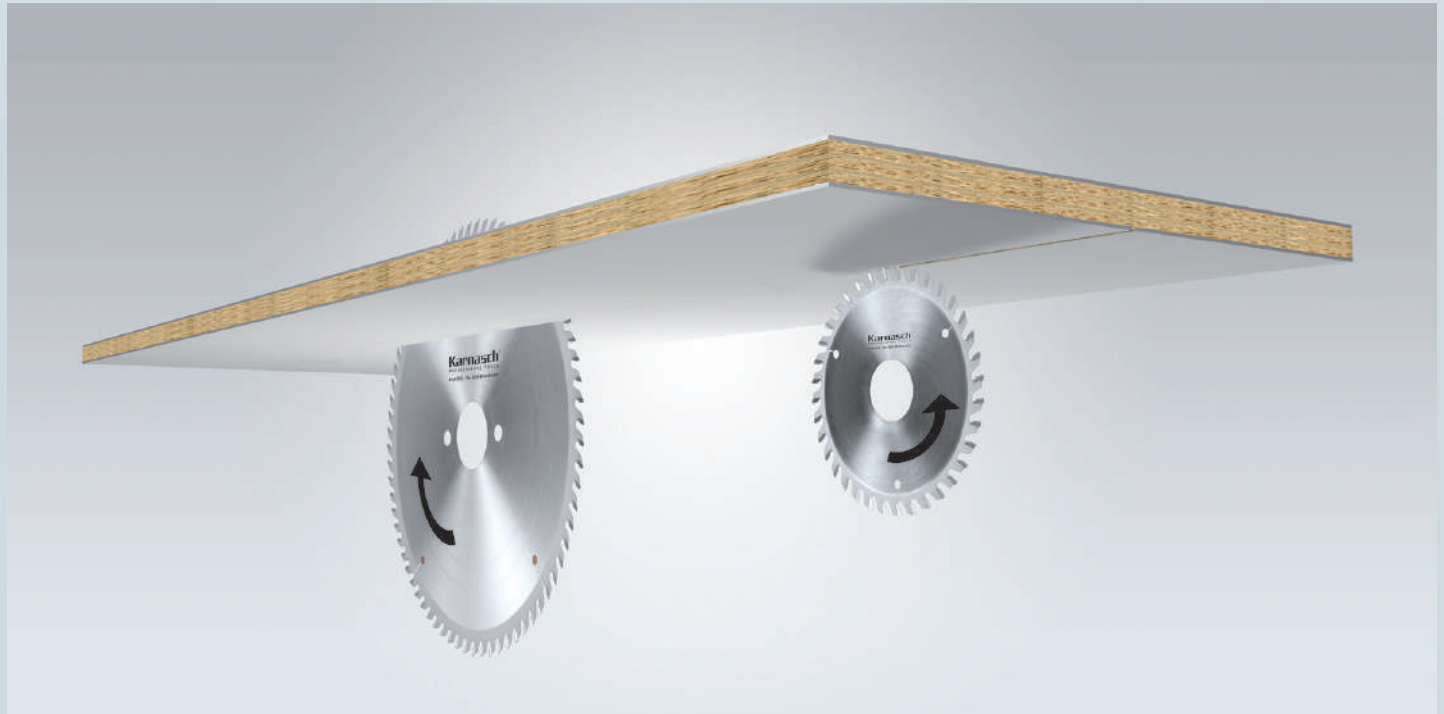


Panel-sizing · Finishing cut · Hard plastics · Abrasive materials

11 1460

Art.						
11 1460 250 010	• 250	3.2/2.2	30	60 TFF-P	UNI	✓
11 1460 250 020	• 250	3.2/2.2	30	80 TFF-P	UNI	✓
11 1460 300 010	• 300	3.2/2.2	30	72 TFF-P	UNI	✓
11 1460 300 020	• 300	3.2/2.2	30	96 TFF-P	UNI	✓
11 1460 303 020	• 303	3.2/2.2	30	72 TFF-P	UNI	✓
11 1460 303 030	• 303	3.2/2.2	30	96 TFF-P	UNI	✓
11 1460 350 010	• 350	3.2/2.2	30	84 TFF-P	UNI	✓
11 1460 350 020	• 350	3.2/2.2	30	108 TFF-P	UNI	✓
11 1460 400 010	• 400	3.5/2.5	30	120 TFF-P	UNI	✓
11 1460 450 010	• 450	3.5/2.5	30	132 TFF-P	UNI	✓
11 1460 500 010	• 500	3.8/2.8	30	144 TFF-P	UNI	✓

UNI = 2-7-42 + 2-9-46.40 + 2-10-60



For plastic coated/melamine boards scoring recommended. Scorer see page 1209. Cutting of coated/veneered boards without scorer see page 1155

1

2

3

4

5

6

7

8

9

10

i

11

Index

1


11 1470

Panel-sizing · Finishing cut triple chip/flat tooth

2



3



4



5



6



7



8



9



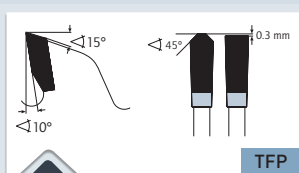
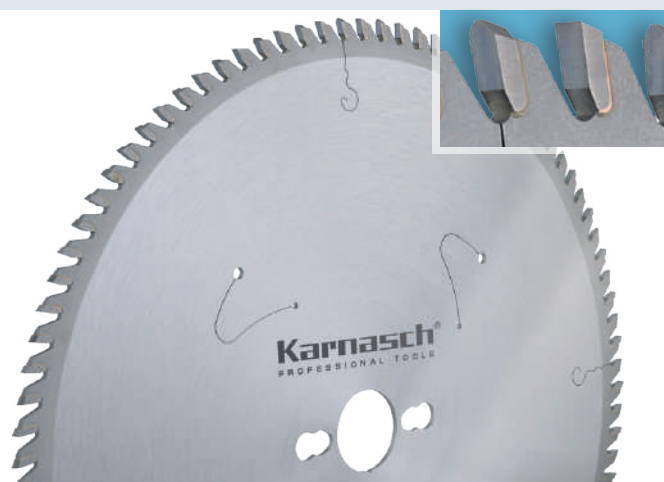
10



11



Index



> Triple-chip/flat tooth positive

MACHINE

For sizing saws, panel saws, bench saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®

APPLICATION

For finishing cuts in solid thermoplastic boards (PMMA, acrylic glass, polyethylene, polyamide etc.) and solid duroplastic boards (HPL-high-pressure-laminate, HP-Hardpaper, phenolic resin bonded paper, phenolic laminated cotton sheets, Trespa, Resopal, Multiplex).

Also for polymer-bound plastics, mineral materials such as: Corian, Noblan, Hi-Macs, Staron, Rausolid etc.

Excellent also for finishing cuts in double-side plastic coated boards, preferably in combination with coring saw blades.

Ideal also for cutting plastic profiles.

Movie

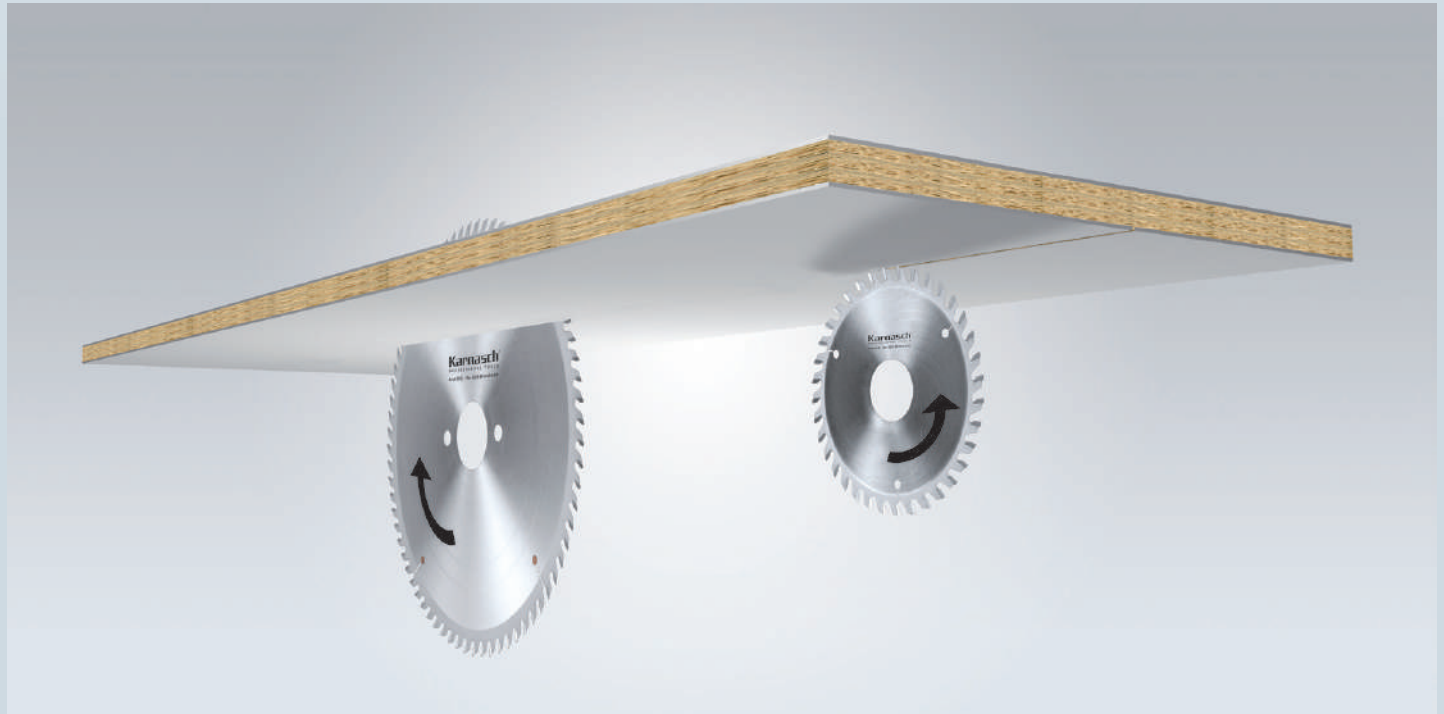


Panel-sizing · Finishing cut triple chip/flat tooth

11 1470

Art.						
11 1470 220 010	• 220	3.2/2.2	30	64 TFP	2-7-42	-
11 1470 250 010	• 250	3.2/2.2	30	60 TFP	UNI	✓
11 1470 250 020	• 250	3.2/2.2	30	80 TFP	UNI	✓
11 1470 300 010	• 300	3.2/2.2	30	72 TFP	UNI	✓
11 1470 300 020	• 300	3.2/2.2	30	96 TFP	UNI	✓
11 1470 303 010	• 303	3.2/2.2	30	60 TFP	UNI	✓
11 1470 303 020	• 303	3.2/2.2	30	72 TFP	UNI	✓
11 1470 303 030	• 303	3.2/2.2	30	96 TFP	UNI	✓
11 1470 350 010	• 350	3.5/2.5	30	84 TFP	UNI	✓
11 1470 350 020	• 350	3.5/2.5	30	108 TFP	UNI	✓
11 1470 400 010	• 400	3.5/2.5	30	120 TFP	UNI	✓
11 1470 450 010	• 450	3.5/2.5	30	132 TFP	UNI	✓
11 1470 500 010	• 500	3.8/2.8	30	144 TFP	UNI	✓

UNI = 2-7-42 + 2-9-46.40 + 2-10-60



For plastic coated/melamine boards scoring recommended. Scorer see page 1209. Cutting of coated/veneered boards without scorer see page 1155

1



2



3



4



5



6



7



8



9

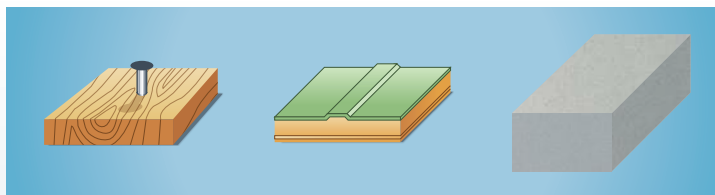


10



11

Construction · Universal



The calculation of V_c and F_z for handheld machines is mostly pointless as the mobile machines are normally operated with manual feed and the parameters (e.g. rpm) are not adjustable.

Furthermore, soft and hard materials are often combined in one workpiece.

For example, wood with nails, plastic materials combined with inside steel frame (window frames), sheet material with PU / foam filling, etc. In this case you have to test and follow your 'feeling'.

In the table below we give a rough guide to the recommended speed in common materials.

Revolution per minute **n** (rpm)

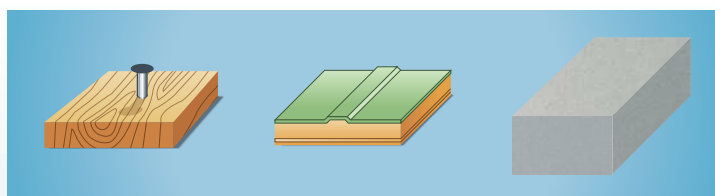
	1000	1500	2000	2500	2850	3000	4000	4500	5000	5600	6000	8000	9000	10000	12000	18000
80 Ø	4.5	6.5	8.5	10.5	12	13	17	19	21	23.5	26	34	38	42	52	76
90 Ø	5	7	9.5	12	13.5	14	19	21	24	26.5	28	38	42	48	56	84
100 Ø	5.5	8	10.5	13	15	16	21	24	26	29	32	42	48	52	54	96
120 Ø	6.5	9.5	13	16	18	19	26	28	32	35	38	52	56	64	76	112
125 Ø	7	10	13.5	16.5	18.5	19.5	27	29	33	36.5	39	54	59	66	78	118
140 Ø	8	11	15	18	21	22	30	33	36	41	44	60	66	72	88	132
150 Ø	8.5	12	15.5	19.5	22.5	23.5	31.5	33.5	39	44	47	63	70.5	78.5	94.5	141.5
160 Ø	9	13	17	21	24	26	34	38	42	47	52	68	76	84	104	152
180 Ø	10	14	19	24	27	28	38	42.5	48	53	56	76	85	96	118	170
200 Ø	11	16	21	26	30	32	42	47	52	58.5	64	84	94	104	128	188
225 Ø	12	18	24	30	33.5	36	48	53	60	66	72	96	106	120	144	212
250 Ø	14	20	26	33	37	40	52	59	66	73.5	80	104	118	132	160	236
300 Ø	17	24	31.5	40	45	48	63	71	80	88	96	126	142	160	192	284
350 Ø	19	28	36.5	47	52	56	73	88	94	105	112	146	166	188	224	332
400 Ø	22	32	42	54	60	64	84	94	108	117	128	168	188	216	256	376
450 Ø	24	35.5	47	59	67.5	70.5	94.5	106	118	132	141.6	188	211	236	283	424
500 Ø	27	40	53	67	74.5	80	106	118	134	146.5	160	212	236	268	320	472

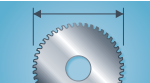
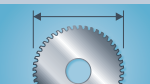
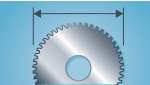
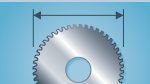
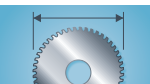
Cutting speed in m/s

① Mild steel, stainless steel, thin iron sheets, sandwich material

② Non ferrous metals, plastics, wooden materials

Construction · Universal



Art. Ø mm	Type	Application	
10 7100 Ø mm 136-500 	Universal/Steel · Non-ferrous metals · Plastics · Sandwich	Focus is on the cutting of sheet metals/profiles of mild steel up to 6 mm wall thickness. Also excellent for cutting non-ferrous metals, plastics, sandwich materials.	1126
10 7130 Ø mm 136-355 	Dry-Cutter mild steel 'throw away'	The focus is on cutting profile material and sheet metals up to 6 mm wall thickness	1127
10 7150 Ø mm 136-355 	Super Dry-Cutter mild steel	The focus is on cutting profile material and sheet metal. Profile material from 3 mm up to 8 mm wall thickness and sheet metal from 3 mm up to 10 mm thickness.	1128
10 7400 Ø mm 136-500 	Universal/Thin sheets · Sandwich · Non-ferrous metals · Plastics	Focus is on the cutting of thin-walled sheet metals/profiles up to 3 mm. Excellent for sandwich materials within layers 0.2-1 mm and thin walled non-ferrous metals and plastic materials.	1130
10 8000 Ø mm 136-500 	Universal/Non-ferrous metals · Plastics · Sandwich	Universal blade for construction, shop fitting, booth building, renovation.	1131
10 8055 Ø mm 120-500 	Angle Grinder + Brutal disposable saw blades	Universal blade for cutting 'almost' any material. Even with the angle grinder.	1133

1



2



3



4



5



6



7



8



9



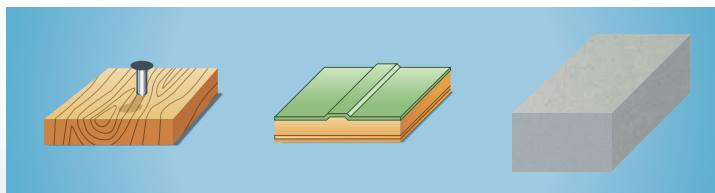
10



11



Construction - Universal



Art. Ø mm	Type	Application	
11 1130 Ø mm 120-500 	Hard plastics · Abrasive materials · Finishing-cut/Thin-cut · Negative	Excellent for sandwich materials with thin layers. For all plastics in finishing cut quality. Abrasive materials as: GRP, CRP, eternit.	1134
11 1250 Ø mm 136-700 	Construction saw	For hard, all-round application on the building site.	1136
11 1260 Ø mm 136-700 	Super construction saw	For extreme tough all-round application on the building site. The construction blade with the highest service life and good cutting quality.	1137
11 1350 Ø mm 160-350 	Diamond Universal	Duo to DP (polycrystalline diamond) excellent for cutting extreme abrasive, heavy machining and abrading materials.	1138

**BEST
SELLER**

10 7100

Universal/Steel · Non-ferrous metals · Plastics · Sandwich



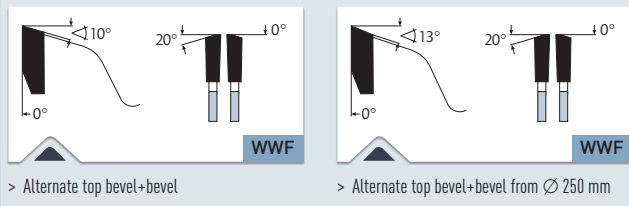
✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Mild steel
✓		Non ferrous materials like aluminium, copper, brass
✓		Thin iron sheets, sandwich material, composites
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

The focus is on cutting profile material and sheet metals up to 6 mm wall thickness. The higher number of teeth is suitable up to 3 mm thickness. For higher service lives see our new **Super Dry-Cutter mild steel** blades. (Art. 10 7150 / page 1128).

Are you looking for a special price-performance ratio for this blades? You have a high consumption of this blades and do not want or cannot regrind them? Then our **BESTSELLER** series is right for you. See next page.



MACHINE

For portable machines, cross-cut saws, panel and sizing saws, mitre saws, table and radial arms saws, battery-driven saws and suitable also for so-called DRY CUTTER machines with reduced speeds such as: JEPSON, RIDGID, ELU, RYOBI...

For steel, it is beneficial to work at reduced speeds (see table below). Use of cutting spray or Mecut wax increases the service life (coolants see from page 1364)

Ø 136-150 mm = 4000-3600 rpm

Ø 160-200 mm = 3500-3000 rpm

Ø 210-250 mm = 2800-1900 rpm

Ø 260-330 mm = 1800-1500 rpm

Ø 350-400 mm = 1400-1000 rpm

Ø 420-500 mm = 900-700 rpm

Please pay attention to absolutely stable/complete and vibration-free clamping of the work piece. Failure to observe leads to tooth breakage/increased wear. Recommendations can be found on page 1129.

Art.						
10 7100 136 010	• 136	1.6/1.2	20/10	30 WWF	2-6-32	-
10 7100 150 010	• 150	1.8/1.4	20/16	30 WWF	2-6-32	-
10 7100 160 010	• 160	1.8/1.4	20/16	30 WWF	2-6-32	-
10 7100 180 010	• 180	1.8/1.4	30/20	34 WWF	UNI 1	-
10 7100 185 010	• 185	1.8/1.4	20/16	34 WWF	2-6-32	-
10 7100 190 010	• 190	1.8/1.4	30	38 WWF	UNI 1	-
10 7100 200 010	• 200	2.0/1.6	30	40 WWF	UNI 1	-
10 7100 210 010	• 210	2.0/1.6	30	40 WWF	UNI 1	-
10 7100 216 010	• 216	2.0/1.6	30	42 WWF	UNI 1	-
10 7100 230 010	• 230/235	2.0/1.6	30/25.4	44 WWF	UNI 1	-
10 7100 250 010	• 250	2.2/1.8	30/25.4	48 WWF	UNI 1 + UNI 2	✓
10 7100 250 020	• 250	2.2/1.8	30/25.4	60 WWF	UNI 1 + UNI 2	✓
10 7100 260 010	• 260	2.2/1.8	30	60 WWF	UNI 1 + UNI 2	✓
10 7100 270 010	• 270	2.2/1.8	30	60 WWF	UNI 1 + UNI 2	✓
10 7100 300 010	• 300	2.2/1.8	30	60 WWF	UNI 1 + UNI 2	✓
10 7100 300 020	• 300	2.2/1.8	30	80 WWF	UNI 1 + UNI 2	✓
10 7100 305 010	• 305	2.2/1.8	25.4	60 WWF	-	✓
10 7100 305 020	• 305	2.2/1.8	25.4	80 WWF	-	✓
10 7100 320 010	• 320	2.2/1.8	30/25.4	84 WWF	UNI 1 + UNI 2	✓
10 7100 330 010	• 330	2.2/1.8	32/30	84 WWF	UNI 2	✓
10 7100 350 010	• 350	2.2/1.8	30	80 WWF	UNI 1 + UNI 2	✓
10 7100 355 010	• 355	2.2/1.8	25.4	60 WWF	-	✓
10 7100 355 020	• 355	2.2/1.8	25.4	80 WWF	-	✓
10 7100 355 030	• 355	2.2/1.8	25.4	90 WWF	1-12-55.4	✓
10 7100 400 010	• 400	3.0/2.6	30	84 WWF	UNI 1 + UNI 2	✓
10 7100 450 010	• 450	2.8/2.4	30	90 WWF	UNI 1 + UNI 2	✓
10 7100 500 010	• 500	3.0/2.6	30	100 WWF	UNI 1 + UNI 2	✓

UNI 1 = 2-7-42 + 2-9-46.4 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64 • Manufactured 232.50 mm

Cutting thin sheet up to approx. 3 mm wall thickness and sandwich material: see item 10 7400 page 1069

Cutting stainless steel up to approx. 4 mm: see item 10 7300 page 1068

Cutting of aluminium profiles/sheets: see item 10 8000 page 1074 / item 11 1100 page 1083 / item 11 1120 page 1085

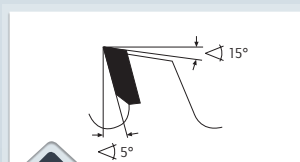
Cutting of wood, plastics, non-ferrous metals like aluminium, mild steels: see item 10 8055 page 1071

Movie

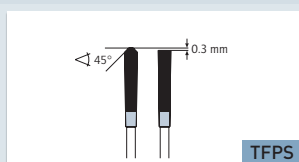


Universal/Steel · Non-ferrous metals · Plastics · Sandwich 'Throw-away'

10 7130



> Triple-chip / flat tooth positive special



TFPS

MACHINE

For portable machines, cross-cut saws, panel and sizing saws, mitre saws, table and radial arms saws, battery-driven saws and suitable also for so-called DRY CUTTER machines with reduced speeds such as: Jepson, RIDGID, ELU, RYOBI...

For steel, it is beneficial to work at reduced speeds (see table below). Use of cutting spray or Mecut wax increases the service life (coolants see from page 1364)

Ø 136-150 mm = 4000-3600 rpm

Ø 160-200 mm = 3500-3000 rpm

Ø 210-250 mm = 2800-1900 rpm

Ø 260-330 mm = 1800-1500 rpm

Ø 350-400 mm = 1400-1000 rpm

Please pay attention to absolutely stable/complete and vibration-free clamping of the work piece. Failure to observe leads to tooth breakage/ increased wear. Recommendations can be found on page 1129.

Cutting thin sheet up to approx. 3 mm wall thickness and sandwich material: see item 10 7400 page 1069

Cutting stainless steel up to approx. 4 mm: see item 10 7300 page 1068

Cutting of aluminium profiles/sheets: see item 10 8000 page 1074 / item 11 1100 page 1083 / item 11 1120 page 1085

Cutting of wood, plastics, non-ferrous metals like aluminium, mild steels: see item 10 8055 page 1071

✓ OPTIMAL

✓ GOOD

✓ POSSIBLE

✓		Mild steel
✓		Non ferrous materials like aluminium, copper, brass
✓		Thin iron sheets, sandwich material, composites
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

The focus is on cutting profile material and sheet metals up to 6 mm wall thickness. The higher number of teeth is suitable up to 3 mm thickness. For higher service lives.

Blades of the DRY-CUTTER series are often heavily used. A re-sharpening is due to tooth breakage or excessive blunting often no longer possible. Here is our BESTSELLER series an alternative as 'THROW-AWAY' blades

| Bestseller – price reduced

Art.						
10 7130 136 010	• 136	2.0/1.4	20/10	30 TFPS	2-6-32	-
10 7130 160 010	• 160	2.2/1.6	20/16	30 TFPS	2-6-32	-
10 7130 190 010	• 190	2.2/1.6	30	38 TFPS	UNI 1	-
10 7130 230 010	• 230/235	2.2/1.8	30/25.4	44 TFPS	UNI 1	-
10 7130 250 010	• 250	2.2/1.8	30/25.4	48 TFPS	UNI 1 + UNI 2	✓
10 7130 250 020	• 250	2.2/1.8	30/25.4	60 TFPS	UNI 1 + UNI 2	✓
10 7130 305 010	• 305	2.2/1.8	25.4	60 TFPS	-	✓
10 7130 305 020	• 305	2.2/1.8	25.4	80 TFPS	-	✓
10 7130 355 020	• 355	2.4/2.0	25.4	80 TFPS	-	✓
10 7130 355 030	• 355	2.4/2.0	25.4	90 TFPS	1-12-55.4	✓

UNI 1 = 2-7-42 + 2-9-46.4 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64 • Manufactured 232.50 mm

Movie



1127



Index

10 7150

Super Dry-Cutter mild steel

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓  Mild steel

APPLICATION

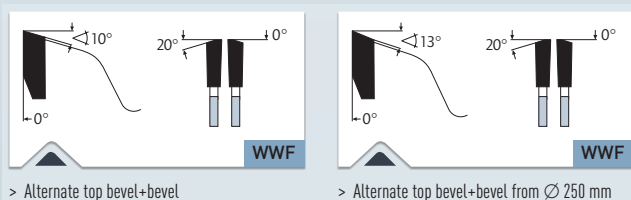
The focus is on cutting profile material and sheet metal. Profile material from 3 mm up to 8 mm wall thickness and sheet metal from 3 mm up to 10 mm thickness. Please use here the dimension 305 mm with 60 teeth and 355 mm with 80 teeth.

For all the remaining dimension we recommend: Profile material from 2 mm up to 6 mm wall thickness and sheet metal from 2 mm up to 8 mm thickness.

CERMET teeth (ceramics) approx. **doubles the service life** as compared to our Dry-Cutter mild steel Art. 10 7100 page 1064.

CERMET blades need stable, complete and vibration-free clamping of the work piece. This is also important for all DRY-CUTTER versions such as Article 10 7100, 10 7130, 10 7300 and 10 7400.

See here our recommendation next page 'Tips for cutting different shapes'.



> Alternate top bevel+bevel

> Alternate top bevel+bevel from Ø 250 mm

MACHINE

For portable machines, cross-cut saws, panel and sizing saws, mitre saws, table and radial arms saws, battery-driven saws and suitable also for so-called DRY CUTTER machines with reduced speeds such as: Jepson, RIDGID, ELU, RYOBI...

For steel, it is beneficial to work at reduced speeds (see table below). Use of cutting spray or Mecut wax increases the service life (coolants see from page 1364)

Ø 136-150 mm = 4000-3600 rpm

Ø 160-200 mm = 3500-3000 rpm

Ø 210-250 mm = 2800-1900 rpm

Ø 260-330 mm = 1800-1500 rpm

Ø 350-400 mm = 1400-1000 rpm

Art.						
10 7150 136 010	● 136	1.6/1.2	20/10	30	2-6-32	-
10 7150 160 010	● 160	1.8/1.4	20/16	32	2-6-32	-
10 7150 180 010	● 180	1.8/1.4	30/20	36	UNI 1	-
10 7150 190 010	● 190	1.8/1.4	30	38	UNI 1	-
10 7150 230 010	● 230	2.0/1.6	30/25.4	48	UNI 1	-
10 7150 250 010	● 250	2.2/1.8	30/25.4	60	UNI 1	-
10 7150 305 010	● 305	2.2/1.8	25.4	60	-	-
10 7150 305 020	● 305	2.2/1.8	25.4	80	-	-
10 7150 355 010	● 355	2.2/1.8	25.4	80	-	-
10 7150 355 020	● 355	2.2/1.8	25.4	90	1-12-55.4	-

UNI 1 = 2-7-42 + 2-9-46.4

For other sizes, see item 10 7100 page 1064

Cutting thin sheet up to approx. 3 mm wall thickness and sandwich material: see item 10 7400 page 1069

Cutting stainless steel up to approx. 4 mm: see item 10 7300 page 1068

Cutting of aluminium profiles/sheets: see item 10 8000 page 1074 / item 11 1100 page 1083 / item 11 1120 page 1085

Cutting of wood, plastics, non-ferrous metals like aluminium, mild steels: see item 10 8055 page 1071

Movie

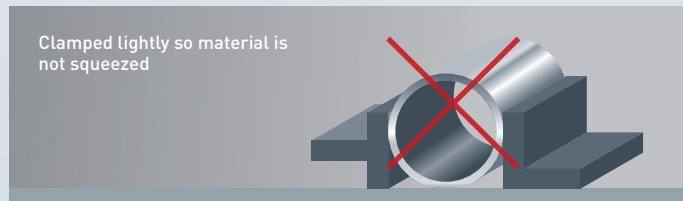


Tips for cutting different shapes

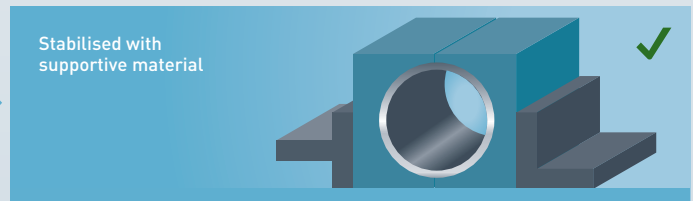
10 7150

Thin materials and incomplete clamping can cause vibration and deflection which shortens the blade life at a tremendous level. Use of supportive material can reduce these risks.

Thin pipes



Material vibrates during cutting



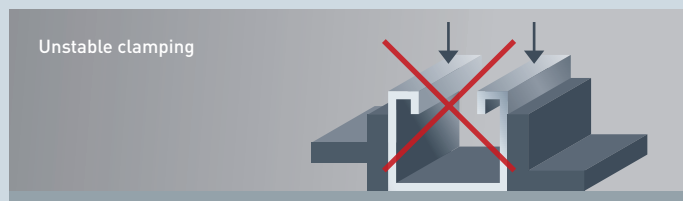
Having supportive material can reduce the risk of damaging the blade.

Round bars or pipes

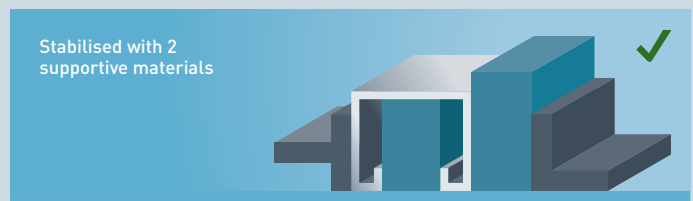


Round bars or pipes can move during cutting, even with correct clamping. This can be checked by a 'marking' onto the material. If the material is moving, the blade is likely to be damaged.

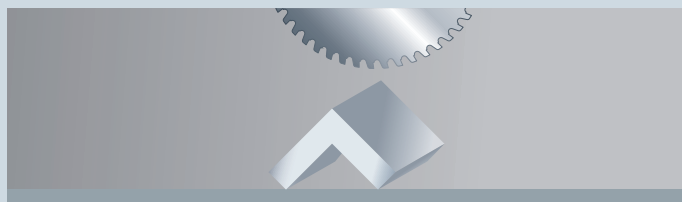
Thin open ended materials



The parts below the arrow will vibrate during cutting

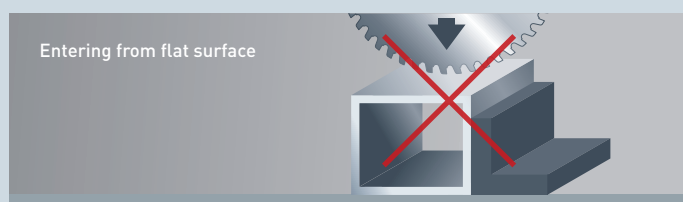


Angle bar

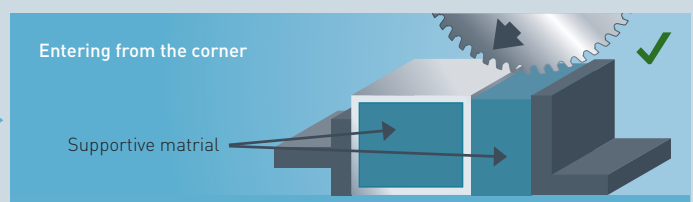


The material is face down and the cutting starts from the angle side.

Blade entrance



The blade entrance point effects the blade life. The material and blade should be set to consider the best contact point.



1

2

3

4

5

6

7

8

9

10

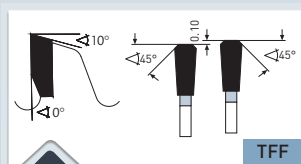
i

11

Index

10 7400

Universal/Thin sheets · Sandwich · Non-ferrous metals · Plastics



> Triple-chip / triple-chip teeth

MACHINE

For portable machines, cross-cut saws, panel and sizing saws, mitre saws, table and radial arms saws, battery-driven saws and suitable also for so-called DRY CUTTER machines with reduced speeds such as: Jepson, RIDGID, ELU, RYOBI...

Ø 136-150 mm = 4000-3600 rpm

Ø 160-200 mm = 3500-3000 rpm

Ø 210-250 mm = 2800-1900 rpm

Ø 260-330 mm = 1800-1500 rpm

Ø 350-400 mm = 1400-1000 rpm

Ø 420-500 mm = 900-700 rpm

For steel, it is beneficial to work at reduced speeds (see table above). Use of cutting spray or Mecut wax increases the service life (coolants see from page 1364).

Please pay attention to absolutely stable/complete and vibration-free clamping of the work piece. Failure to observe leads to tooth breakage/ increased wear. Recommendations can be found on page 1067.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Thin iron sheets, sandwich material, composites
✓		Mild steel
✓		Non ferrous materials like aluminium, copper, brass
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

Focus is on the cutting thin-walled sheet metal/steel profiles up to 3 mm wall thickness. Great for sandwich materials with thin layers of steel/aluminium/plastics of about 0.2-1 mm.

Also highly suitable for cutting sheets/profiles from non-ferrous metals (Aluminium, copper, brass) and plastics up to 5 mm wall thickness.

Please pay attention to absolutely stable/complete and vibration-free clamping of the work piece. Failure to observe leads to tooth breakage/ increased wear. Recommendations can be found on page 1129.

Bestseller – price reduced

Art.						
10 7400 136 010	• 136	1.6/1.2	20/10	38 TFF	2-6-32	-
10 7400 160 010	• 160	1.8/1.4	20/16	42 TFF	2-6-32	-
10 7400 180 010	• 180	1.8/1.4	30/20	48 TFF	UNI 1	-
10 7400 185 010	• 185	1.8/1.4	20/16	48 TFF	2-6-32	-
10 7400 190 010	• 190	1.8/1.4	30	48 TFF	UNI 1	-
10 7400 200 010	• 200	2.0/1.6	30	54 TFF	UNI 1	-
10 7400 210 010	• 210	2.0/1.6	30	54 TFF	UNI 1	-
10 7400 216 010	• 216	2.0/1.6	30	54 TFF	UNI 1	-
10 7400 230 010	• 230/235	2.0/1.6	30/25.4	54 TFF	UNI 1	-
10 7400 250 010	• 250	2.2/1.8	30/25.4	72 TFF	UNI 1 + UNI 2	✓
10 7400 255 010	• 255	2.2/1.8	25.4	72 TFF	-	✓
10 7400 260 010	• 260	2.2/1.8	30	72 TFF	UNI 1 + UNI 2	✓
10 7400 270 010	• 270	2.2/1.8	30	72 TFF	UNI 1 + UNI 2	✓
10 7400 300 010	• 300	2.2/1.8	30	84 TFF	UNI 1 + UNI 2	✓
10 7400 305 010	• 305	2.2/1.8	25.4	84 TFF	-	✓
10 7400 320 010	• 320	2.2/1.8	30/25.4	96 TFF	UNI 1 + UNI 2	✓
10 7400 330 010	• 330	2.2/1.8	32/30	96 TFF	UNI 2	✓
10 7400 350 010	• 350	2.2/1.8	30	100 TFF	UNI 1 + UNI 2	✓
10 7400 355 010	• 355	2.2/1.8	25.4	100 TFF	-	✓
10 7400 400 010	• 400	2.6/2.0	30	110 TFF	UNI 1 + UNI 2	✓
10 7400 420 010	• 420	2.6/2.0	30	110 TFF	UNI 1 + UNI 2	✓
10 7400 450 010	• 450	2.8/2.4	30	120 TFF	UNI 1 + UNI 2	✓
10 7400 500 010	• 500	3.0/2.6	30	130 TFF	UNI 1 + UNI 2	✓

UNI 1 = 2-7-42 + 2-9-46.4 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64 · • Manufactured 232.50 mm

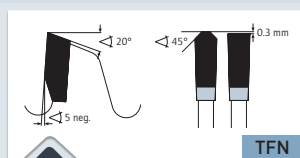
• Sale item. While stocks last.

Movie



Universal/Thin sheets · Sandwich · Non-ferrous metals · Plastics

10 8000



> Triple-chip / flat tooth negative

MACHINE

For portable circular saws, cross-cut saws, panel saws, sizing and mitre saws, table and radial arm saws, battery-driven saws.

✓ OPTIMAL

✓ GOOD

✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Non ferrous materials like aluminium, copper, brass
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Thin iron sheets, sandwich material, composites
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Wood with inclusions like nails, clips, concrete residues
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Autoclaved aerated concrete blocks

APPLICATION

The ideal blade for shop construction, trade fair construction, renovation work. For many materials such as: non-ferrous metals, plastics, plexiglas, chipboard, thermo façade plates. Other aluminium negative sheets: see item 11 1100 page 1083, item 11 1120 page 1085, and item 11 1130 page 1087.

Art.						
10 8000 120 010	• 120	2.8/2.0	20	34 TFN	-	-
10 8000 136 010	• 136	2.8/2.0	20/10	40 TFN	2-6-32	-
10 8000 150 010	• 150	2.8/2.0	20/16	42 TFN	2-6-32	-
10 8000 160 010	• 160	2.8/2.0	20/16	42 TFN	2-6-32	-
10 8000 165 010	• 165	2.8/2.0	20	48 TFN	2-6-32	-
10 8000 170 010	• 170	2.8/2.0	30	48 TFN	-	-
10 8000 180 010	• 180	2.8/2.0	30	48 TFN	UNI 1	-
10 8000 185 010	• 185	2.8/2.0	20/16	48 TFN	2-6-32	-
10 8000 190 010	• 190	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 200 010	• 200	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 210 010	• 210	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 216 010	• 216	2.8/2.0	30	60 TFN	UNI 1	-
10 8000 216 020	• 216	2.8/2.0	30	80 TFN	UNI 1	-
10 8000 220 010	• 220	2.8/2.0	30	54 TFN	UNI 1	-
10 8000 230 010	• 230/235	2.8/2.0	30	64 TFN	UNI 1	-
10 8000 240 010	• 240	2.8/2.0	30	64 TFN	UNI 1	-
10 8000 250 010	• 250	3.2/2.5	30	60 TFN	UNI 1 + UNI 2	✓
10 8000 250 020	• 250	3.2/2.5	30	80 TFN	UNI 1 + UNI 2	✓
10 8000 250 030	• 250	2.8/2.2	30	100 TFN	UNI 1 + UNI 2	✓
10 8000 260 010	• 260	3.2/2.5	30	80 TFN	UNI 1 + UNI 2	✓
10 8000 270 010	• 270	3.2/2.5	30	88 TFN	UNI 1 + UNI 2	✓
10 8000 280 010	• 280	3.2/2.5	30	88 TFN	UNI 1 + UNI 2	✓
10 8000 300 010	• 300	3.2/2.5	30	72 TFN	UNI 1 + UNI 2	✓
10 8000 300 020	• 300	3.2/2.5	30	96 TFN	UNI 1 + UNI 2	✓
10 8000 300 030	• 300	2.8/2.2	30	120 TFN	UNI 1 + UNI 2	✓

UNI 1 = 2-7-42 + 2-9-46-40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

• Manufactured 232.50 mm

Movie



1131

1



2



3



4



5



6



7



8



9



10

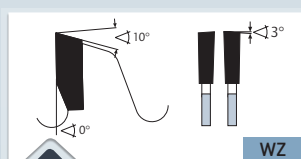


11

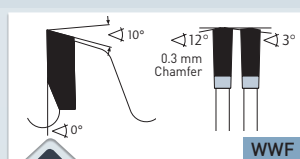
Index

10 8055

Angle Grinder + Brutal disposable saw blades



> Alternate top bevel



> Alternate top bevel+bevel

MACHINE

For portable machines, cross-cut saws, panel and sizing saws, mitre saws, table and radial arms saws, battery-driven saws and suitable also for so-called DRY CUTTER machines with reduced speeds such as: JEPSON, RIDGID, ELU, RYOBI...

Ø 160-200 mm = 3500-3000 rpm

Ø 210-250 mm = 2800-1900 rpm

Ø 260-305 mm = 1800-1500 rpm

Ø 350-400 mm = 1500-1000 rpm

For steel, it is beneficial to work at reduced speeds (see table above). Use of cutting spray or Mecut wax increases the service life (for cutting oils, see from page 1364)

10 8056



Blade diameter 120 mm suitable for angle grinder diameter 115-125 mm.

Use in Europe only permitted with protection cover (delivered completely with spindle nut, open-faced spanner, exhaust socket and operating instructions).



✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Mild steel
✓		Non ferrous materials like aluminium, copper, brass
✓		Thin iron sheets, sandwich material, composites
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Wood with inclusions like nails, clips, concrete residues
✓		Soft wood, hard wood, and exotic wood along the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Veneers
✓		Profiled wood
✓		Autoclaved aerated concrete blocks
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material

APPLICATION

Brutal disposable saw blades for sawing 'almost' any material. Ideal for construction and crafts. The low cutting width leads to little cutting wastage and cutting resistance. Therefore also ideal for battery-powered machines.

Lowest tooth number: For fast cutting of all kinds of woods (also with nails, clamps, plastics, non-ferrous metals. Coarse cut.

Medium tooth number: For cutting of all specified materials. Medium cutting quality (for cutting of mild steels, non-ferrous metals, we recommend the highest number of teeth).

Highest tooth number: For cutting of all specified materials. Preferably for all metals like mild steels, aluminium and other non-ferrous metals.

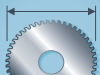
Movie



Angle Grinder + Brutal disposable saw blades

10 8055

Bestseller – price reduced

Art.					
10 8055 120 003	• 120				
10 8055 120 005	• 120		2.0/1.4	20	14 WZ
10 8055 120 007	• 120		2.0/1.4	20	24 WZ
10 8055 120 010	• *120	See Cover  1070	2.0/1.4	20	40 WWF
10 8055 120 020	• *120		2.0/1.4	25.4/22	14 WZ
10 8055 120 030	• *120		2.0/1.4	25.4/22	24 WZ
10 8055 136 010	• 136		2.0/1.4	20/10	40 WWF
10 8055 136 020	• 136		2.0/1.4	20/10	16 WZ
10 8055 136 030	• 136		2.0/1.4	20/10	30 WZ
10 8055 160 010	• 160		2.0/1.4	20/16	40 WWF
10 8055 160 020	• 160		2.0/1.4	20/16	18 WZ
10 8055 160 030	• 160		2.0/1.4	20/16	30 WZ
10 8055 165 010	• 165		2.0/1.4	20	40 WWF
10 8055 165 020	• 165		2.0/1.4	20	18 WZ
10 8055 165 030	• 165		2.0/1.4	20	30 WZ
10 8055 180 005	• 180		2.2/1.6	22.22	40 WWF
10 8055 180 010	• 180		2.0/1.4	30/22/20	10 WZ
10 8055 180 020	• 180		2.0/1.4	30/22/20	20 WZ
10 8055 180 030	• 180		2.0/1.4	30/22/20	34 WZ
10 8055 185 010	• 185		2.0/1.4	20/16	48 WWF
10 8055 185 020	• 185		2.0/1.4	20/16	20 WZ
10 8055 185 030	• 185		2.0/1.4	20/16	34 WZ
10 8055 190 010	• 190		2.0/1.4	30	48 WWF
10 8055 190 020	• 190		2.0/1.4	30	20 WZ
10 8055 190 030	• 190		2.0/1.4	30	34 WZ
10 8055 210 010	• 210		2.0/1.4	30	48 WWF
10 8055 210 020	• 210		2.0/1.4	30	22 WZ
10 8055 210 030	• 210		2.0/1.4	30	36 WZ
10 8055 216 010	• 216		2.0/1.4	30	48 WWF
10 8055 216 020	• 216		2.0/1.4	30	24 WZ
10 8055 216 030	• 216		2.0/1.4	30	36 WZ
10 8055 225 010	• 225		2.0/1.4	30	48 WWF
10 8055 225 020	• 225		2.0/1.4	30	24 WZ
10 8055 225 030	• 225		2.0/1.4	30	36 WZ
10 8055 230 010	• 230/235		2.0/1.4	30/22	48 WWF
10 8055 230 020	• 230/235		2.0/1.4	30/22	24 WZ
10 8055 230 030	• 230/235		2.0/1.4	30/22	36 WZ
10 8055 250 010	• 250		2.4/1.8	30/25.4	48 WWF
10 8055 250 020	• 250		2.4/1.8	30/25.4	24 WZ
10 8055 250 030	• 250		2.4/1.8	30/25.4	44 WZ
10 8055 260 010	• 260		2.4/1.8	30	60 WWF
10 8055 260 020	• 260		2.4/1.8	30	28 WZ
10 8055 260 030	• 260		2.4/1.8	30	44 WZ
10 8055 270 010	• 270		2.4/1.8	30	60 WWF
10 8055 270 020	• 270		2.4/1.8	30	30 WZ
10 8055 270 030	• 270		2.4/1.8	30	46 WZ
10 8055 280 010	• 280		2.4/1.8	30	60 WWF
10 8055 280 020	• 280		2.4/1.8	30	32 WZ
10 8055 280 030	• 280		2.4/1.8	30	48 WZ
10 8055 300 010	• 300		2.4/1.8	30	60 WWF
10 8055 300 020	• 300		2.4/1.8	30	32 WZ
10 8055 300 030	• 300		2.4/1.8	30	48 WZ
10 8055 305 010	• 305		2.4/1.8	30/25.4	60 WWF
10 8055 305 020	• 305		2.4/1.8	30/25.4	32 WZ
10 8055 305 030	• 305		2.4/1.8	30/25.4	48 WZ
10 8055 320 010	• 320		2.4/1.8	30/25.4	60 WWF
10 8055 320 020	• 320		2.4/1.8	30/25.4	32 WZ
10 8055 320 030	• 320		2.4/1.8	30/25.4	48 WZ
10 8055 330 010	• 330		2.6/2.0	32/30	60 WWF
10 8055 330 020	• 330		2.6/2.0	32/30	36 WZ
10 8055 330 030	• 330		2.6/2.0	32/30	54 WZ
10 8055 350 010	• 350		2.6/2.0	30	72 WWF
10 8055 350 020	• 350		2.6/2.0	30	36 WZ
10 8055 350 030	• 350		2.6/2.0	30	54 WZ
10 8055 355 010	• 355		2.6/2.0	30/25.4	72 WWF
10 8055 355 020	• 355		2.6/2.0	30/25.4	36 WZ
10 8055 355 030	• 355		2.6/2.0	30/25.4	54 WZ
10 8055 400 010	• 400		2.8/2.2	30	72 WWF
10 8055 400 020	• 400		2.8/2.2	30	42 WZ
10 8055 400 030	• 400		2.8/2.2	30	60 WZ
10 8055 420 010	• 420		2.8/2.2	30	84 WWF
10 8055 420 020	• 420		2.8/2.2	30	42 WZ
10 8055 420 030	• 420		2.8/2.2	30	60 WZ
10 8055 450 010	• 450		3.2/2.5	30	84 WWF
10 8055 450 020	• 450		3.2/2.5	30	48 WZ
10 8055 450 030	• 450		3.2/2.5	30	72 WZ
10 8055 500 010	• 500		3.4/2.8	30	96 WWF
10 8055 500 020	• 500		3.4/2.8	30	54 WZ
10 8055 500 030	• 500		3.4/2.8	30	84 WZ
					108 WWF

UNI 1 = 2-7-42 + 2-9-46.4 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64 • Manufactured 232.50 mm

Sale item. While stocks last.

1

2

3

4

5

6

7

8

9

10

11

Index

1



2



3



4



5



6



7



8



9



10



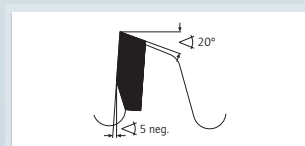
11



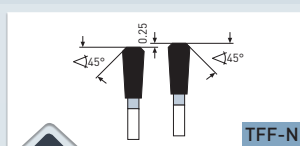
Index

11 1130

Hard plastics · Abrasive materials · Finishing-cut/Thin-cut · Negative



> Triple-chip/flat tooth negative



TFF-N

MACHINE

For portable circular saws, bench- and sizing saws, panel sizing saws, cross-cut saws, cordless saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Thin iron sheets, sandwich material, composites
✓		Thin profiles made of non ferrous materials like alu, copper, brass

APPLICATION

Due to special carbide / tooth geometry excellent for finishing cuts in thin plates and profiles made of hard plastics (thermoplastics) such as: PVC, PE, PA, ABS, PS, POM PC, PMMA e.g. hollow section boards of PMMA (acrylic glass).

Also good for abrasive, heavy machining and abrading materials such as: GRP, CRP, fibre cement panels, gypsum, fibre boards, eternit.

Also excellent for sandwich materials with thin layers.
Maximum layer thickness for non-ferrous-metals / plastics = 1.0 mm
Maximum layer thickness iron sheet metal = 0.3 mm
Excellent also for thin profiles up to 1 mm thickness made of non-ferrous metal such as aluminium, copper, brass.

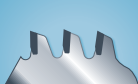
Due to thin cutting width little cutting pressure and waste of material. Therefore also ideal for cordless machines.

Movie



Hard plastics · Abrasive materials · Finishing-cut/Thin-cut · Negative

11 1130

Art.							
11 1130 120 010	• 120	1.8/1.2	20	48 TFF-N	-	-	-
11 1130 136 010	• 136	1.8/1.2	20/10	56 TFF-N	2-6-32	-	-
11 1130 160 010	• 160	1.8/1.2	20/16	64 TFF-N	2-6-32	-	-
11 1130 190 010	• 190	1.8/1.2	30	72 TFF-N	UNI 1	-	-
11 1130 200 010	• 200	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 210 010	• 210	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 216 010	• 216	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 230 010	• 230/235	2.0/1.4	30	108 TFF-N	UNI 1	-	-
11 1130 250 010	• 250	2.2/1.8	30	120 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 260 010	• 260	2.2/1.8	30	120 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 300 010	• 300	2.4/1.8	30	128 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 305 010	• 305	2.4/1.8	30	128 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 330 010	• 330	2.4/1.8	30	132 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 350 010	• 350	2.4/1.8	30	132 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 350 020	• 350	2.4/1.8	32	132 TFF-N	UNI 2	✓	-
11 1130 380 010	• 380	2.4/1.8	32	132 TFF-N	UNI 2	✓	-
11 1130 400 010	• 400	3.1/2.5	30	138 TFF-N	UNI 1 + UNI 2	✓	✓
11 1130 400 020	• 400	3.1/2.5	32	138 TFF-N	UNI 2	✓	✓
11 1130 420 010	• 420	3.4/2.8	30	138 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1130 420 020	• 420	3.4/2.8	40	138 TFF-N	4-12-64 + 2-15-80	✓	✓
11 1130 450 010	• 450	3.4/2.8	30	144 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1130 500 010	• 500	3.4/2.8	30	148 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓

• Manufactured 232.50 mm

UNI 1 = 2-7-42 + 2-9-46.40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

1



2



3



4



5



6



7



8



9



10



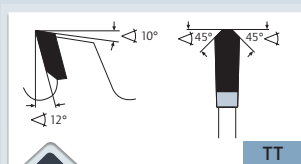
11



Index

11 1250

Construction saw



> Triple-chip/triple-chip teeth

MACHINE

For table circular saws, construction circular saws, portable saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Wood with inclusions like nails, clips, concrete residues
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Soft wood, hard wood, and exotic wood along the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Autoclaved aerated concrete blocks

APPLICATION

For all-round application on the building site. Makes longitudinal and crosscuts in all construction wood. Form-work boards with mortar or sheet metal casing, pallets, aerated concrete, Heraklith products, cemented fibreboard, and similar material. For the highest service life + clean cuts see the super construction saw blades, item 11 1260, on page 1137.

Bestseller – price reduced

Art.					
11 1250 136 010	% 136	2.6/1.6	20/10	10 TT	2-6-32
11 1250 160 010	• 160	2.6/1.6	20/16	12 TT	2-6-32
11 1250 180 010	% 180	2.8/1.8	30/20	12 TT	2-7-42
11 1250 185 010	% 185	2.8/1.8	20/16	12 TT	2-6-32
11 1250 190 010	• 190	2.8/1.8	30	14 TT	2-7-42
11 1250 230 010	• 230/235	2.8/1.8	30	16 TT	2-7-42
11 1250 250 010	• 250	3.2/2.2	30	20 TT	UNI
11 1250 300 010	• 300	3.2/2.2	30	24 TT	UNI
11 1250 315 010	• 315	3.2/2.2	30	24 TT	UNI
11 1250 350 010	• 350	3.5/2.5	30	28 TT	UNI
11 1250 400 010	• 400	4.2/2.8	30	28 TT	UNI
11 1250 450 010	• 450	4.2/2.8	30	32 TT	UNI
11 1250 500 010	• 500	4.2/2.8	30	36 TT	UNI
11 1250 600 010	• 600	4.2/3.0	30	40 TT	UNI
11 1250 700 010	• 700	4.4/3.2	30	48 TT	UNI

% Sale item. While stocks last.

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

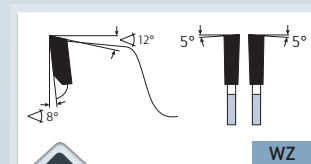
• Manufactured 232.50 mm

Movie



Super construction saw

11 1260



> Alternate top bevel

MACHINE

For portable circular saws, cutting and mitre saws, table circular saws, format circular saws, construction circular saws, firewood saws, pendulum saws, course saws.

APPLICATION

Extremely durable blade for the building trade, carpenter's workshops, pallet manufacturers, roofers, and similar professions.

For the highest service life and clean cuts in: construction wood, formwork boards with mortar or sheet metal casing, pallets, aerated concrete, Heraklith products and cemented fibreboard, plastics, hard fibreboard and chipboard, laminated wood, Corian, Eternit.

Also for coarse cutting non-ferrous profiled metals, such as aluminium, brass and copper.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Wood with inclusions like nails, clips, concrete residues
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Autoclaved aerated concrete blocks
✓		Soft wood, hard wood, and exotic wood along the grain
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Thin iron sheets, sandwich material, composites

Art.					
11 1260 136 010	• 136	2.8/1.8	20/10	20 WZ	2-6-32
11 1260 150 010	• 150	2.8/1.6	20/16	24 WZ	2-6-32
11 1260 160 010	• 160	2.8/1.6	20/16	24 WZ	2-6-32
11 1260 180 010	• 180	2.8/1.8	30/20	30 WZ	2-7-42
11 1260 185 010	• 185	2.8/1.8	20/16	30 WZ	2-6-32
11 1260 190 010	• 190	2.8/1.8	30	30 WZ	2-7-42
11 1260 200 010	• 200	2.8/1.8	30	30 WZ	2-7-42
11 1260 210 010	• 210	2.8/1.8	30	34 WZ	2-7-42
11 1260 216 010	• 216	2.8/1.8	30	34 WZ	2-7-42
11 1260 230 010	• 230/235	2.8/1.8	30	34 WZ	2-7-42
11 1260 250 010	• 250	3.0/2.0	30	42 WZ	UNI
11 1260 260 010	• 260	3.0/2.0	30	42 WZ	UNI
11 1260 270 010	% 270	3.0/2.0	30	42 WZ	UNI
11 1260 300 010	• 300	3.2/2.2	30	48 WZ	UNI
11 1260 315 010	• 315	3.2/2.2	30	48 WZ	UNI
11 1260 350 010	• 350	3.2/2.2	30	54 WZ	UNI
11 1260 355 010	• 355	3.2/2.2	30	54 WZ	UNI
11 1260 400 010	• 400	3.5/2.5	30	60 WZ	UNI
11 1260 450 010	• 450	3.5/2.5	30	66 WZ	UNI
11 1260 500 010	• 500	4.0/2.8	30	72 WZ	UNI
11 1260 600 010	• 600	4.2/3.0	30	78 WZ	UNI
11 1260 700 010	• 700	4.2/3.2	30	84 WZ	UNI

% Sale item. While stocks last.

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

• Manufactured 232.50 mm

Movie



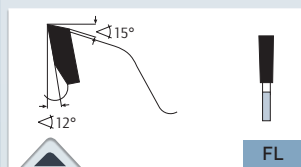
1137



Index

11 1350

Diamond Universal



> Flat tooth

MACHINE

For hand-held circular saws, mitre saws, cross-cut saws, table and sizing saws

APPLICATION

Due to DP (Polycrystalline Diamond) teeth excellent for sizing, formatting, cross cuts in extreme abrasive, heavy machining and abrading materials such as: Corian, Trespa, laminates, MDF, gypsum and cement-bonded boards (fibre cement), Rockwool boards, Heraklith products, Eternit.

Circular saws with the lowest number of teeth as: 160 mm with 4 teeth, 190 mm with 6 teeth, 230 mm with 6 teeth, 250 mm with 6 teeth and 300 mm with 8 teeth, are specially designed for gypsum and cement-bonded panels (fibre cement).

Also excellent for Duroplastic materials such as: Glass fibre plastic (GRP), Carbon fibre plastic (CRP), Carbon, Aramid fibre plastic (AFK), HP, HPL, PUR.

Lower tooth row for sizing, higher tooth row for format cuts. Attention: no finishing cut blade (DP-Tip height = 4 mm). Finishing cut-blades see Art. 11 3070 page 1111

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Autoclaved aerated concrete blocks
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF

Art.						
11 1350 120 010	• 120	2.2/1.6	20	6 FL	-	-
11 1350 136 010	• 136	2.2/1.6	20	6 FL	2-6-32	-
11 1350 160 005	• 160	2.2/1.6	20/16	4 FL	2-6-32.5	-
11 1350 160 010	• 160	2.2/1.6	20/16	8 FL	2-6-32.5	-
11 1350 160 020	• 160	2.2/1.6	20/16	30 FL	2-6-32.5	-
11 1350 180 010	• 180	2.2/1.6	30/20	8 FL	2-7-42	-
11 1350 190 010	• 190	2.2/1.6	30/20	8 FL	2-7-42	✓
11 1350 190 015	• 190	2.2/1.6	30/20	12 FL	2-7-42	✓
11 1350 190 020	• 190	2.2/1.6	30/20	30 FL	2-7-42	✓
11 1350 210 005	• 210	2.2/1.6	30	8 FL	UNI	✓
11 1350 210 010	• 210	2.2/1.6	30	12 FL	UNI	✓
11 1350 210 020	• 210	2.2/1.6	30	30 FL	UNI	✓
11 1350 216 005	• 216	2.2/1.6	30	8 FL	UNI	✓
11 1350 216 010	• 216	2.2/1.6	30	12 FL	UNI	✓
11 1350 216 020	• 216	2.2/1.6	30	30 FL	UNI	✓
11 1350 230 005	• 230	2.4/1.8	30	6 FL	UNI	✓
11 1350 230 007	• 230	2.4/1.8	30	8 FL	UNI	✓
11 1350 230 010	• 230	2.4/1.8	30	15 FL	UNI	✓
11 1350 230 020	• 230	2.4/1.8	30	30 FL	UNI	✓
11 1350 250 005	• 250	2.4/1.8	30	6 FL	UNI	✓
11 1350 250 007	• 250	2.4/1.8	30	8 FL	UNI	✓
11 1350 250 010	• 250	2.4/1.8	30	16 FL	UNI	✓
11 1350 250 015	• 250	2.4/1.8	30	28 FL	UNI	✓
11 1350 250 020	• 250	2.4/1.8	30	40 FL	UNI	✓
11 1350 250 030	• 250	2.4/1.8	30	48 FL	UNI	✓
11 1350 300 005	• 300	2.6/2.0	30	8 FL	UNI	✓
11 1350 300 015	• 300	2.6/1.8	30	18 FL	UNI	✓
11 1350 300 020	• 300	2.6/2.0	30	36 FL	UNI	✓
11 1350 300 030	• 300	2.6/2.0	30	48 FL	UNI	✓
11 1350 300 040	• 300	2.6/2.0	30	60 FL	UNI	✓
11 1350 350 002	• 350	2.8/2.2	30	10 FL	UNI	✓
11 1350 350 004	• 350	2.8/2.2	30	24 FL	UNI	✓
11 1350 350 006	• 350	2.8/2.2	30	36 FL	UNI	✓
11 1350 350 008	• 350	2.8/2.2	30	48 FL	UNI	✓
11 1350 350 010	• 350	2.8/2.2	30	60 FL	UNI	✓

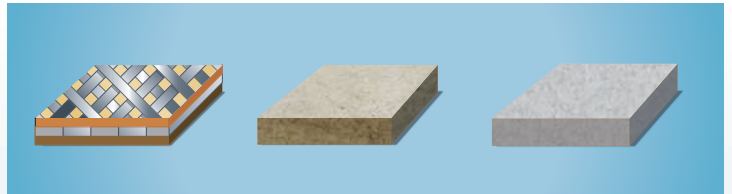
• Sale item. While stocks last.

UNI = 2-7-42 + 2-9-46,40 + 2-10-60

Movie



Abrasive



This chapter focuses on the machining of materials difficult to machine and causing high cutting edge wear.

Recommended cutting values

Material Group	Material examples	Vc (m/s) Cutting speed	fz (mm/z) Feed per tooth
Gypsum bound	Gypsum fibre board, gypsum fibre board with MDF/Veneer, gypsum plaster board	40–65	0.1–0.25
Cement bound	Fibre cement board, Eternit	40–60	0.02–0.05
Rockwool board	Rockwool	2–8	0.01–0.03
Duroplastics	Glass fibre and carbon fibre reinforced plastics GRP/CRP	20–50	0.01–0.03
	HPL (High-Pressure-Laminate) Trespa®, Resopal®, Wodego®, Duropal®, Formica®, Unilin®, Kronospan®, Homopal®, Decodur®, Abet®	50–70	0.01–0.08
	Mineral material Corian, Noblan, Hi-Macs, Staron, Rausolid	50–70	0.02–0.04
Mineral-Acrylic bound materials e.g. Kitchen worktops/ sink	Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®	50–70	0.02–0.04

Determination of cutting speed Vc

$$V_c \text{ (m/s)} = \frac{D \cdot \pi \cdot n}{60 \cdot 1000}$$

Determination of feed rate Vf

$$V_f \text{ (m/min)} = \frac{f_z \cdot n \cdot Z}{1000}$$

Determination of revolution speed n

$$n \text{ (min}^{-1}\text{)} = \frac{V_c \cdot 1000 \cdot 60}{D \cdot \pi}$$

Vc (m/s) = Cutting speed

Vf (m/min) = Feed rate

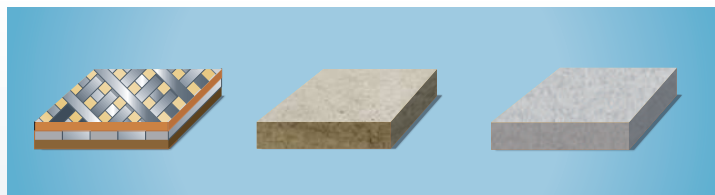
fz (mm/z) = Feed per tooth

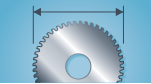
D (mm) = Saw blade diameter

n (min⁻¹) = rpm

Z = Number of teeth

Abrasive



Art. Ø mm	Type	Application	
11 1130 Ø mm 120-500 	Hard plastics · Abrasive materials · Finishing-cut/Thin-cut · Negative	Ideal for abrasive, heavy machining and abrading materials such as: GRP, CRP, fibre cement panels, gypsum, fibre boards, eternit. Also good for finishing cuts in all plastics. Excellent for hollow section boards for PMMA (acrylic glass).	1143
11 1350  Ø mm 160-350	Diamond Universal	Due to DP (Polycrystalline Diamond) teeth excellent for sizing, formatting, cross cuts in extreme abrasive, heavy machining and abrading materials such as: Corian, Trespa, laminates, MDF, gypsum and cement-bonded boards (fibre cement), Rockwool boards, Heraklith products, Eternit (CRP, GRP, carbon).	1145
11 1370  Ø mm 250-350	Diamond · Panel-sizing · Finishing cut · Hard plastics · Abrasive materials	Due to DP (Polycrystalline Diamond) teeth excellent for cutting extreme abrasive, heavy machining and abrading materials.	1147
11 1430 Ø mm 120-500 	Hard plastics · abrasive materials · Finishing-cut / thin-cut	Finishing cuts in hard plastics and abrasive material such as: GRP, CRP, fibre cement panels, gypsum fibre boards, eternit ...	1149
11 1460 Ø mm 250-400 	Panel-sizing · Finishing cut · Hard plastics · Abrasive materials	For sizing panels/profiles in various thicknesses. Also very good in abrasive, heavy machining/abrading materials such as: GRP, CRP, fibre cement panels, gypsum fibre boards, eternit ...	1151

BEST
SELLER

1

2

3

4

5

6

7

8

9

10

11

Index

1



2



3



4



5



6



7



8



9



10

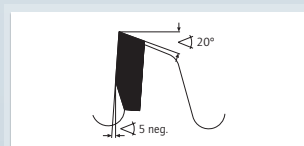


11

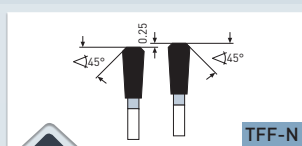


11 1130

Hard plastics · Abrasive materials · Finishing-cut/Thin-cut · Negative



> Triple-chip/flat tooth negative



TFF-N

MACHINE

For portable circular saws, bench- and sizing saws, panel sizing saws, cross-cut saws, cordless saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropol®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Thin iron sheets, sandwich material, composites
✓		Thin profiles made of non ferrous materials like alu, copper, brass

APPLICATION

Due to special carbide / tooth geometry excellent for finishing cuts in thin plates and profiles made of hard plastics (thermoplastics) such as: PVC, PE, PA, ABS, PS, POM PC, PMMA e.g. hollow section boards of PMMA (acrylic glass).

Also good for abrasive, heavy machining and abrading materials such as: GRP, CRP, fibre cement panels, gypsum, fibre boards, eternit.

Also excellent for sandwich materials with thin layers.
Maximum layer thickness for non-ferrous-metals / plastics = 1.0 mm
Maximum layer thickness iron sheet metal = 0.3 mm
Excellent also for thin profiles up to 1 mm thickness made of non-ferrous metal such as aluminium, copper, brass.

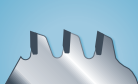
Due to thin cutting width little cutting pressure and waste of material. Therefore also ideal for cordless machines.

Movie



Hard plastics · Abrasive materials · Finishing-cut/Thin-cut · Negative

11 1130

Art.							
11 1130 120 010	• 120	1.8/1.2	20	48 TFF-N	-	-	-
11 1130 136 010	• 136	1.8/1.2	20/10	56 TFF-N	2-6-32	-	-
11 1130 160 010	• 160	1.8/1.2	20/16	64 TFF-N	2-6-32	-	-
11 1130 190 010	• 190	1.8/1.2	30	72 TFF-N	UNI 1	-	-
11 1130 200 010	• 200	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 210 010	• 210	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 216 010	• 216	2.0/1.4	30	100 TFF-N	UNI 1	-	-
11 1130 230 010	• 230/235 ●	2.0/1.4	30	108 TFF-N	UNI 1	-	-
11 1130 250 010	• 250	2.2/1.8	30	120 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 260 010	• 260	2.2/1.8	30	120 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 300 010	• 300	2.4/1.8	30	128 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 305 010	• 305	2.4/1.8	30	128 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 330 010	• 330	2.4/1.8	30	132 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 350 010	• 350	2.4/1.8	30	132 TFF-N	UNI 1 + UNI 2	✓	-
11 1130 350 020	• 350	2.4/1.8	32	132 TFF-N	UNI 2	✓	-
11 1130 380 010	• 380	2.4/1.8	32	132 TFF-N	UNI 2	✓	-
11 1130 400 010	• 400	3.1/2.5	30	138 TFF-N	UNI 1 + UNI 2	✓	✓
11 1130 400 020	• 400	3.1/2.5	32	138 TFF-N	UNI 2	✓	✓
11 1130 420 010	• 420	3.4/2.8	30	138 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1130 420 020	• 420	3.4/2.8	40	138 TFF-N	4-12-64 + 2-15-80	✓	✓
11 1130 450 010	• 450	3.4/2.8	30	144 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓
11 1130 500 010	• 500	3.4/2.8	30	148 TFF-N	2-9-46.4 + UNI 2 + 2-10.5-70	✓	✓

● Manufactured 232.50 mm

UNI 1 = 2-7-42 + 2-9-46.40 UNI 2 = 2-10-60 + 2-11-63 + 2-12-64

1

2

3

4

5

6

7

8

9

10

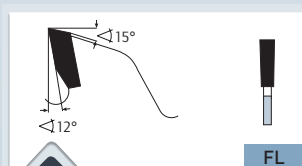
i

11

Index

11 1350

Diamond Universal



> Flat tooth

MACHINE

For hand-held circular saws, mitre saws, cross-cut saws, table and sizing saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Autoclaved aerated concrete blocks
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF

APPLICATION

Due to DP (Polycrystalline Diamond) teeth excellent for sizing, formatting, cross cuts in extreme abrasive, heavy machining and abrading materials such as: Corian, Trespa, laminates, MDF, gypsum and cement-bonded boards (fibre cement), Rockwool boards, Heraklith products, Eternit.

Circular saws with the lowest number of teeth as: 160 mm with 4 teeth, 190 mm with 6 teeth, 230 mm with 6 teeth, 250 mm with 6 teeth und 300 mm with 8 teeth, are specially designed for gypsum and cement-bonded panels (fibre cement).

Also excellent for Duroplastic materials such as: Glass fibre plastic (GRP), Carbon fibre plastic (CRP), Carbon, Aramid fibre plastic (AFK), HP, HPL, PUR.

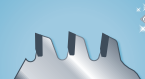
Lower tooth row for sizing, higher tooth row for format cuts. Attention: no finishing cut blade (DP-Tip height = 4 mm).
Finishing cut-blades see Art. 11 1370 page 1111

Movie



Diamond Universal

11 1350

Art.						
11 1350 120 010	• 120	2.2/1.6	20	6 FL	-	-
11 1350 136 010	• 136	2.2/1.6	20	6 FL	2-6-32	-
11 1350 160 005	• 160	2.2/1.6	20/16	4 FL	2-6-32.5	-
11 1350 160 010	• 160	2.2/1.6	20/16	8 FL	2-6-32.5	-
11 1350 160 020	• 160	2.2/1.6	20/16	30 FL	2-6-32.5	-
11 1350 180 010	• 180	2.2/1.6	30/20	8 FL	2-7-42	-
11 1350 190 010	• 190	2.2/1.6	30/20	8 FL	2-7-42	✓
11 1350 190 015	• 190	2.2/1.6	30/20	12 FL	2-7-42	✓
11 1350 190 020	• 190	2.2/1.6	30/20	30 FL	2-7-42	✓
11 1350 210 005	• 210	2.2/1.6	30	8 FL	UNI	✓
11 1350 210 010	• 210	2.2/1.6	30	12 FL	UNI	✓
11 1350 210 020	• 210	2.2/1.6	30	30 FL	UNI	✓
11 1350 216 005	• 216	2.2/1.6	30	8 FL	UNI	✓
11 1350 216 010	• 216	2.2/1.6	30	12 FL	UNI	✓
11 1350 216 020	• 216	2.2/1.6	30	30 FL	UNI	✓
11 1350 230 005	• 230	2.4/1.8	30	6 FL	UNI	✓
11 1350 230 007	• 230	2.4/1.8	30	8 FL	UNI	✓
11 1350 230 010	• 230	2.4/1.8	30	15 FL	UNI	✓
11 1350 230 020	• 230	2.4/1.8	30	30 FL	UNI	✓
11 1350 250 005	• 250	2.4/1.8	30	6 FL	UNI	✓
11 1350 250 007	• 250	2.4/1.8	30	8 FL	UNI	✓
11 1350 250 010	• 250	2.4/1.8	30	16 FL	UNI	✓
11 1350 250 015	• 250	2.4/1.8	30	28 FL	UNI	✓
11 1350 250 020	• 250	2.4/1.8	30	40 FL	UNI	✓
11 1350 250 030	• 250	2.4/1.8	30	48 FL	UNI	✓
11 1350 300 005	• 300	2.6/2.0	30	8 FL	UNI	✓
11 1350 300 015	• 300	2.6/1.8	30	18 FL	UNI	✓
11 1350 300 020	• 300	2.6/2.0	30	36 FL	UNI	✓
11 1350 300 030	• 300	2.6/2.0	30	48 FL	UNI	✓
11 1350 300 040	• 300	2.6/2.0	30	60 FL	UNI	✓
11 1350 350 002	• 350	2.8/2.2	30	10 FL	UNI	✓
11 1350 350 004	• 350	2.8/2.2	30	24 FL	UNI	✓
11 1350 350 006	• 350	2.8/2.2	30	36 FL	UNI	✓
11 1350 350 008	• 350	2.8/2.2	30	48 FL	UNI	✓
11 1350 350 010	• 350	2.8/2.2	30	60 FL	UNI	✓

• Sale item. While stocks last. · UNI = 2-7-42 + 2-9-46.40 + 2-10-60

1

2

3

4

5

6

7

8

9

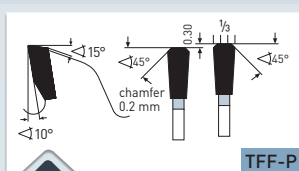
10

11

Index

11 1370

Diamond · Panel-sizing · Finishing cut · Hard plastics · Abrasive materials



> Triple-chip/flat tooth (with protective chamfer on both sides)

MACHINE

For sizing saws, panel saws, bench saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian [®] , Noblan [®] , Hi-Macs [®] , Staron [®] , Rausolid [®] , Varicor [®]
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa [®] , Resopal [®] , Duropal [®] , Formica [®] , Kronospan [®] , Decodur [®]
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material

APPLICATION

Due to DP (Polycrystalline Diamond) teeth extremely long tool life compared to carbide tipped circular saws. Excellent for sizing, formatting, cross cuts in extreme abrasive, heavy machining and abrading materials such as: Corian, Trespa, laminates, MDF, gypsum and cement-bonded boards, Rockwool boards, Heraklith products, Eternit.

Also excellent for Duroplastic materials such as: Glass fibre plastic (GRP), Carbon fibre plastic (CRP), Carbon, Aramid fibre plastic (AFK), HP, HPL, PUR.

For finishing cuts in solid thermoplastic boards (PMMA, acrylic glass, polyethylene, polyamide etc.) and solid duroplastic boards (HPL-high-pressure-laminate, HP-Hardpaper, phenolic resin bonded paper, phenolic laminated cotton sheets, Trespa, Resopal, Multiplex). Also for polymer-bound plastics, mineral materials such as Corian, Noblan, Hi-Macs, Staron, Rausolid etc.

Excellent also for finishing cuts in double-side plastic coated boards, preferably in combination with coring saw blades. Ideal also for cutting plastic profiles.

Movie



1

2

3

4

5

6

7

8

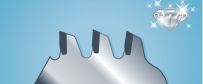
9

10

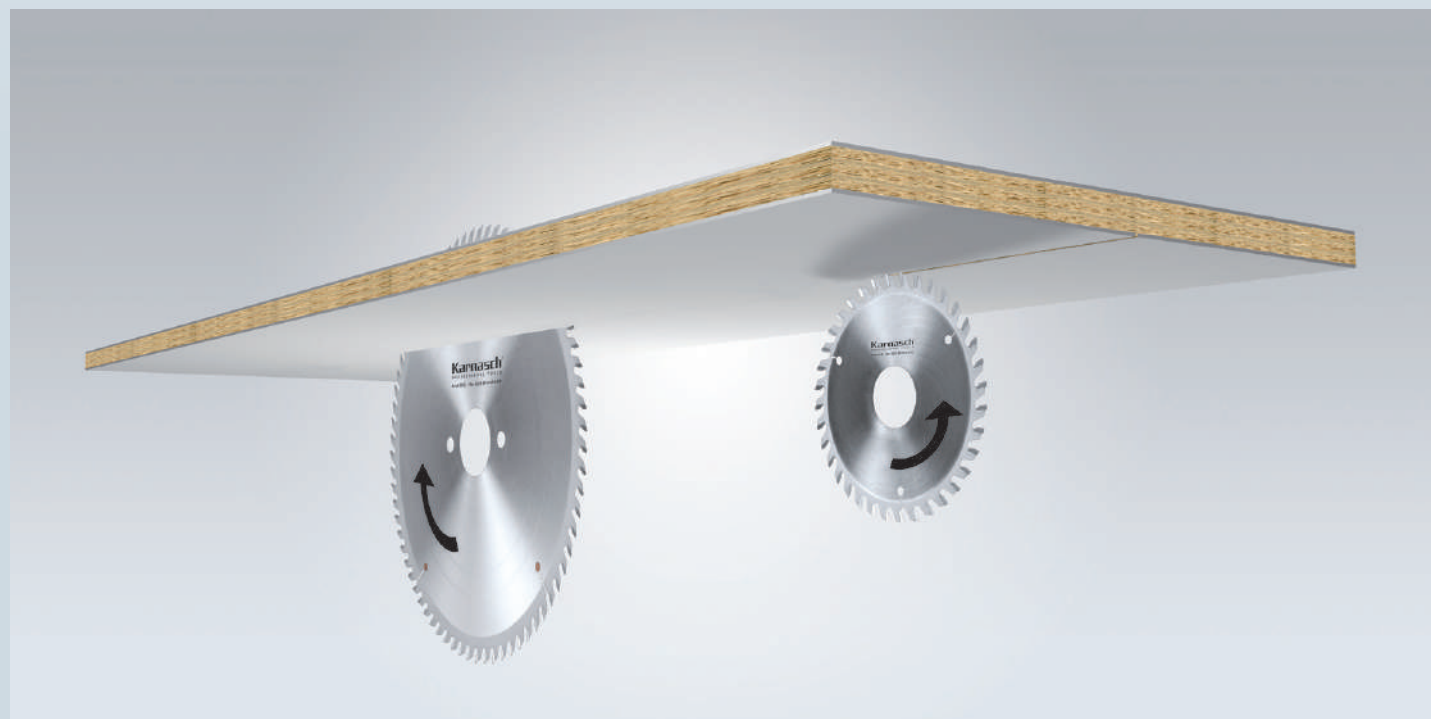
11

Diamond · Panel-sizing · Finishing cut · Hard plastics · Abrasive materials

11 1370

Art.							DP-Tip high
11 1370 250 020							5 mm
	250	3.2/2.2	30	80 TFF-P	UNI		

 Sale item. While stocks last.
UNI = 2-7-42 + 2-9-46.40 + 2-10-60

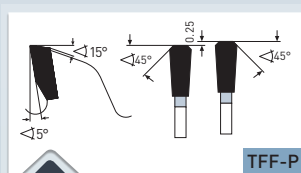
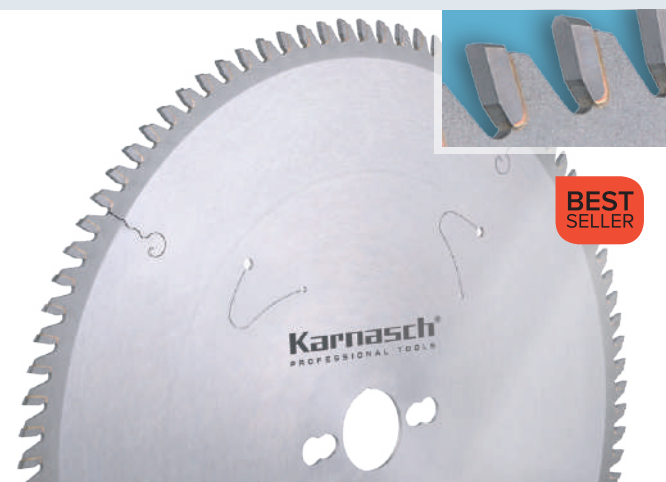


For plastic coated/melamine boards scoring recommended. Scorer see page 1155/1209. Cutting of coated/veneered boards without scorer see page 1107, 1177, 1179, 1181, 1183, 1184

- 1 
- 2 
- 3 
- 4 
- 5 
- 6 
- 7 
- 8 
- 9 
- 10 
- 11 

11 1430

Hard plastics · Abrasive materials · Finishing-cut / thin-cut



> Triple-chip/triple-chip teeth

MACHINE

For portable circular saws, bench- and sizing saws, panel sizing saws, cross-cut saws, cordless saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Thin profiles made of non ferrous materials like alu, copper, brass
✓		Thin iron sheets, sandwich material, composites

APPLICATION

Sizing and cross cuts profiles, plates, blocks and rods made of aluminium, brass, copper and plastics.

Due to special carbide / tooth geometry excellent for finishing cuts in thin plates and profiles made of hard plastics (thermoplastics) such as: PVC, PE, PA, ABS, PS, POM PC, PMMA e.g. hollow section boards of PMMA (acrylic glass) and abrasive materials such as: GRP, CRP, fibre cement panels, gypsum, fibre boards, eternit.

Also suitable for sandwich materials with thin layers.
Maximum layer thickness for non-ferrous-metals = 1.0 mm
Maximum layer thickness steel sheet = 0.3 mm

Due to TFF-P cut:

- Almost burr-free finishing-cut quality also at the lower side/exit of the workpiece
- Excellent cutting quality at the cut surface (almost mirror finish)
- Even better lifetime

Due to thin cutting width:

- Less waste
- Less wear/energy consumption of the machine
- With hand-held machines and manual feed much less effort, therefore excellent for cordless machines

You want:

- Even higher number of teeth to improve the cutting quality/tool life?
- Due to negative rake angle improves control with manual feed?
- Due to negative rake angle higher insensitivity to tooth breakage?
- ... see art. 11 1130, page 1135

Special design for anodised or lacquered aluminium on request.

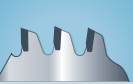
Movie



Hard plastics · Abrasive materials · Finishing-cut / thin-cut

11 1430

Bestseller – price reduced

Art.						
11 1430 120 010	• 120	1.8/1.2	20	40 TFF-P	-	-
11 1430 136 010	• 136	1.8/1.2	20/10	48 TFF-P	-	-
11 1430 160 010	• 160	1.8/1.2	20/16	56 TFF-P	2-6-32	-
11 1430 180 010	• 180	1.8/1.2	20/16	60 TFF-P	2-6-32	-
11 1430 190 010	• 190	1.8/1.2	30/20	60 TFF-P	2-7-42	-
11 1430 200 010	• 200	2.0/1.4	30	64 TFF-P	2-7-42	-
11 1430 210 010	• 210	2.0/1.4	30	64 TFF-P	2-7-42	-
11 1430 225 010	• 225	2.0/1.4	30	68 TFF-P	2-7-42	-
11 1430 230 010	• 230/235 ●	2.0/1.4	30	68 TFF-P	2-7-42	-
11 1430 250 010	• 250	2.4/1.8	30	80 TFF-P	UNI	✓
11 1430 250 020	• 250	2.2/1.8	30	120 TFF-P	UNI	✓
11 1430 300 010	• 300	2.4/1.8	30	96 TFF-P	UNI	✓
11 1430 300 020	• 300	2.4/1.8	30	128 TFF-P	UNI	✓
11 1430 350 010	• 350	2.4/1.8	30	108 TFF-P	UNI	✓
11 1430 350 020	• 350	2.4/1.8	30	132 TFF-P	UNI	✓
11 1430 400 010	• 400	3.2/2.5	30	120 TFF-P	UNI	✓
11 1430 400 020	• 400	3.1/2.5	30	138 TFF-P	UNI	✓
11 1430 450 010	• 450	3.5/2.8	30	132 TFF-P	UNI	✓
11 1430 450 020	• 450	3.4/2.8	30	144 TFF-P	UNI	✓
11 1430 500 010	• 500	3.5/2.8	30	144 TFF-P	UNI	✓

● Manufactured 232.50 mm · UNI = 2-7-42 + 2-9-46.40 + 2-10-60

1



2



3



4



5



6



7



8



9



10

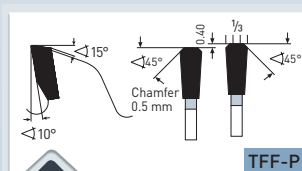
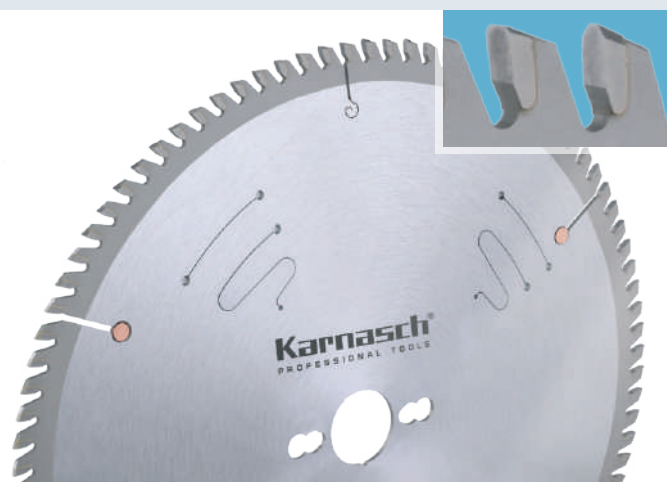


11



11 1460

Panel-sizing · Finishing cut · Hard plastics · Abrasive materials



> Triple-chip/flat tooth (flat tooth with chamfer on both sides)

MACHINE

For sizing saws, panel saws, bench saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material

APPLICATION

For sizing panels of various thicknesses, cutting stacks made of thermoplastics such as: PVC, PE, PA, ABS, PS, POM.

Excellent also for cutting plastic profiles and finishing cuts in double-side plastic coated chip- and hard fibre materials/boards in combination with scoring saw blades.

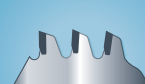
Due to special carbide teeth also good for cutting abrasive, heavy machining and abrading materials such as HPL, high-pressure-laminate (Trespa, Resopal) and mineral materials such as corian, noblan, staron etc.

Movie

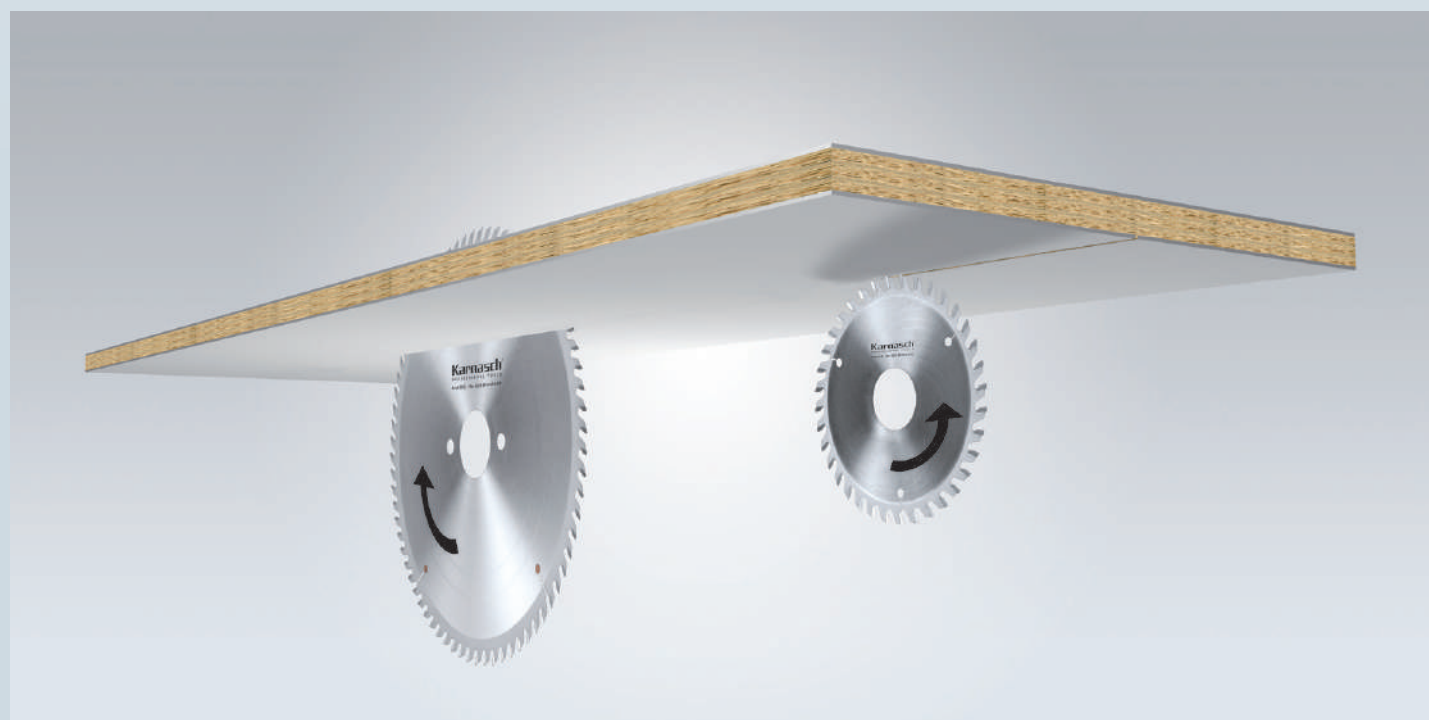


Panel-sizing · Finishing cut · Hard plastics · Abrasive materials

11 1460

Art.						
11 1460 250 010	• 250	3.2/2.2	30	60 TFF-P	UNI	✓
11 1460 250 020	• 250	3.2/2.2	30	80 TFF-P	UNI	✓
11 1460 300 010	• 300	3.2/2.2	30	72 TFF-P	UNI	✓
11 1460 300 020	• 300	3.2/2.2	30	96 TFF-P	UNI	✓
11 1460 303 020	• 303	3.2/2.2	30	72 TFF-P	UNI	✓
11 1460 303 030	• 303	3.2/2.2	30	96 TFF-P	UNI	✓
11 1460 350 010	• 350	3.2/2.2	30	84 TFF-P	UNI	✓
11 1460 350 020	• 350	3.2/2.2	30	108 TFF-P	UNI	✓
11 1460 400 010	• 400	3.5/2.5	30	120 TFF-P	UNI	✓
11 1460 450 010	• 450	3.5/2.5	30	132 TFF-P	UNI	✓
11 1460 500 010	• 500	3.8/2.8	30	144 TFF-P	UNI	✓

UNI = 2-7-42 + 2-9-46.40 + 2-10-60



For plastic coated/melamine boards scoring recommended. Scorer see page 1209. Cutting of coated/veneered boards without scorer see page 1155

1

2

3

4

5

6

7

8

9

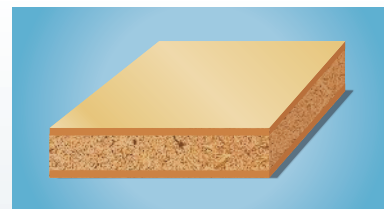
10

i

11

Index

Panel sizing large-scale



Recommended cutting values

Material Group	Material examples	Vc (m/s) Cutting speed	fz (mm/z) Feed per tooth
Veneered panels	Multiplex	60-90	0.2
HDF (High density fibre board)	Beaver board	50-80	0.15
MDF (medium density fibre board)	Twin-wall panel	60-80	0.1-0.3
OSB-Oriented Strand Board	Particle board	60-80	0.1-0.2
Lumber-core plywood		40-65	0.02-0.06
Chipboard raw		60-80	0.3
Chipboard plastic coated	Melamin, HPL, CPL	60-80	0.15
Plywood (lumber-core, rod-shaped)		60-80	0.1-0.2
Softboard		60-100	0.2-0.4
Plywood, lminated layers		50-80	0.05-0.25
Duroplastics	HPL (High-Pressure-Laminate) Trespa®, Resopal®, Wodego®, Duropal®, Formica®, Unilin®, Kronospan®, Homapal®, Decodur®, Abet®	50-70	0.01-0.08
Mineral-Acrylic bound materials	Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®	50-70	0.02-0.04

Revolution per minute n (rpm)

	1500	2000	2500	2850	3000	4000	4500	5000	5600	6000	8000	9000	10000	12000	18000
80 Ø	6.5	8.5	10.5	12	13	17	19	21	23.5	26	34	38	42	52	76
90 Ø	7	9.5	12	13.5	14	19	21	24	26.5	28	38	42	48	56	84
100 Ø	8	10.5	13	15	16	21	24	26	29	32	42	48	52	54	96
120 Ø	9.5	13	16	18	19	26	28	32	35	38	52	56	64	76	112
125 Ø	10	13.5	16.5	18.5	19.5	27	29	33	36.5	39	54	59	66	78	118
140 Ø	11	15	18	21	22	30	33	36	41	44	60	66	72	88	132
150 Ø	12	15.5	19.5	22.5	23.5	31.5	33.5	39	44	47	63	70.5	78.5	94.5	141.5
160 Ø	13	17	21	24	26	34	38	42	47	52	68	76	84	104	152
180 Ø	14	19	24	27	28	38	42.5	48	53	56	76	85	96	118	170
200 Ø	16	21	26	30	32	42	47	52	58.5	64	84	94	104	128	188
225 Ø	18	24	30	33.5	36	48	58	60	66	72	96	106	120	144	212
250 Ø	20	26	33	37	40	52	59	66	73.5	80	104	118	132	160	236
300 Ø	24	31.5	40	45	48	63	71	80	88	96	126	142	160	192	284
350 Ø	28	36.5	47	52	56	73	88	94	105	112	146	166	188	224	332
400 Ø	32	42	54	60	64	84	94	108	117	128	168	188	216	256	376
450 Ø	35.5	47	59	67.5	70.5	94.5	106	118	132	141.6	188	211	236	283	424
500 Ø	40	53	67	74.5	80	106	118	134	146.5	160	212	236	268	320	472

Cutting speed in m/s

① Panels

② Safety limits

Determination of cutting speed Vc

$$Vc (m/s) = \frac{D \cdot \pi \cdot n}{60 \cdot 1000}$$

Determination of feed rate Vf

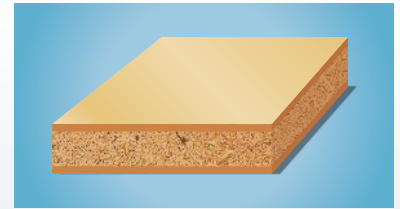
$$Vf (m/min) = \frac{fz \cdot n \cdot Z}{1000}$$

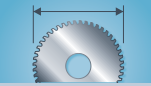
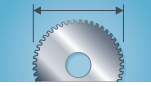
Determination of revolution speed n

$$n (min^{-1}) = \frac{Vc \cdot 1000 \cdot 60}{D \cdot \pi}$$

Vc (m/s) = Cutting speed
 Vf (m/min) = Feed rate
 fz (mm/z) = Feed per tooth
 D (mm) = Saw blade diameter
 n (min⁻¹) = rpm
 Z = Number of teeth

Panel sizing large-scale



Art. Ø mm	Type	Application	
11 1510 Ø mm 300-450 	Large-scale panel sizing blades	For panel sizing plastic laminated and foil-coated wood-based material and duroplastics.	1155
11 1520 Ø mm 125-200 	Conical scoring blades suitable for above mentioned panel sizing blades	Conical scoring blades suitable for above mentioned panel sizing blades	1155

1



2



3



4



5



6



7



8



9



10

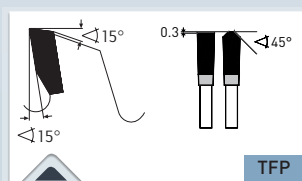


11

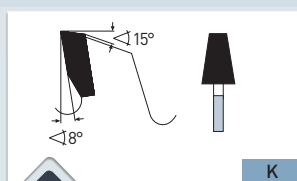
11 1510

Panel sizing saws + conical scoring blades

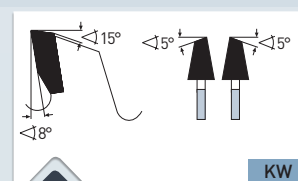
11 1520



> Trapezoidal flat top positive



> Flat tooth conical



> Alternative top bevel conical

MACHINE

Panel sizing machine horizontal with scoring aggregate

✓ OPTIMAL

✓ GOOD

✓ POSSIBLE

✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material

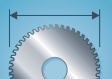
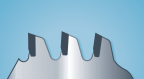
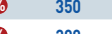
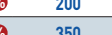
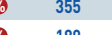
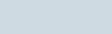
APPLICATION

For panel sizing plastic laminated and foil-coated wood-based material and duroplastics

Movie



Panel sizing saws + conical scoring blades

Art.	Art.	MAIN SAW BLADE + SUITABLE SCORING BLADE						
11 1510 320 010	-	SELCO + Ritzer/Scorer	 320	4.4/3.2	65	60 TFP	2-9-110	✓
-	11 1520 200 010		 200	4.4-5.2/3.2	65	36 K	2-9-110 + 2-9-100	-
11 1510 350 010	-	Mayer + Ritzer/Scorer	 350	4.4/3.2	30	72 TFP	2-10-60	✓
-	11 1520 200 020		 200	4.4-5.2/3.2	30	36 KW	2-9-60	-
11 1510 350 010	-	Panhans + Ritzer/Scorer	 350	4.4/3.2	30	72 TFP	2-10-60	✓
-	11 1520 200 020		 200	4.4-5.2/3.2	30	36 KW	2-9-60	-
11 1510 350 010	-	Scheer + Ritzer/Scorer	 350	4.4/3.2	30	72 TFP	2-10-60	✓
-	11 1520 200 020		 200	4.4-5.2/3.2	30	36 K	2-9-60	-
11 1510 350 010	-	Schelling + Ritzer/Scorer	 350	4.4/3.2	30	72 TFP	2-10-60	✓
-	11 1520 200 030		 200	4.4-5.2/3.2	20	36 K	-	-
11 1510 350 020	-	Holzma + Ritzer/Scorer	 350	4.4/3.2	60	72 TFP	2-14-100	✓
-	11 1520 180 010		 180	4.4-5.2/3.2	45	36 K	-	-
11 1510 355 010	-	Homag Espana + Ritzer/scorer	 355	4.4/3.2	75	72 TFP	-	✓
-	11 1520 180 010		 180	4.4-5.2/3.2	45	36 K	-	-
11 1510 380 010	-	Holzma + Ritzer/Scorer	 380	4.8/3.5	60	72 TFP	2-14-100	✓
-	11 1520 180 020		 180	4.8-5.6/3.5	45	36 K	-	-
11 1510 380 020	-	Holzma + Ritzer/Scorer	 380	4.4/3.2	60	72 TFP	2-14-100	✓
-	11 1520 180 010		 180	4.4-5.2/3.2	45	36 K	-	-
11 1510 450 010	-	Holzma + Ritzer/Scorer	 450	4.8/3.5	60	72 TFP	2-14-125	✓
-	11 1520 180 020		 180	4.8-5.6/3.5	45	36 K	-	-
-	11 1520 125 020	Altendorf, Martin + Ritzer/Scorer	 125	3.1-4.3/2.8	22/20	24 KW	-	-

 Sale item. While stocks last.

Other dimensions are available on request



For plastic coated/melamine boards scoring recommended. Scorer see page 1209. Cutting of coated/veneered boards without scorer see page 1107

1

2

3

4

5

6

7

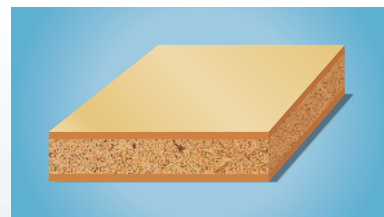
8

9

10

11

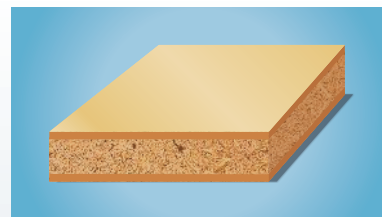
Panel sizing



Recommended cutting values

Material Group	Material examples	V _c (m/s) Cutting speed	f _z (mm/z) Feed per tooth
Veneered panels	Multiplex	60–90	0.2
HDF (High density fibre board)	Beaver board	50–80	0.15
MDF (medium density fibre board)	Twin-wall panel	60–80	0.1–0.3
OSB-Oriented Strand Board	Particle board	60–80	0.1–0.2
Lumber-core plywood		40–65	0.02–0.06
Chipboard raw		60–80	0.3
Chipboard plastic coated	Melamin, HPL, CPL	60–80	0.15
Plywood (lumber-core, rod-shaped)		60–80	0.1–0.2
Softboard		60–100	0.2–0.4
Plywood, lminated layers		50–80	0.05–0.25
Duroplastics	HPL (High-Pressure-Laminate) (Trespa®, Resopal®, Wodego®, Duropal®, Formica®, Unilin®, Kronospan®, Homapal®, Decodur®, Abet®) PUR Polyurethan, Melamin, HP Hardpaper	50–70	0.01–0.08
	Glass fibre and carbon fibre reinforced plastic GRP/CRP Aramid fibre plastik AFK (Kevlar, Nomex, Carbolan, Rigator, Durostone)	20–50	0.01–0.03
Mineral-Acrylic bound materials e.g. kitchen worktops/sink	Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®	50–70	0.02–0.04

Panel sizing

Revolution per minute **n** (rpm)

	1500	2000	2500	2850	3000	4000	4500	5000	5600	6000	8000	9000	10000	12000	18000
80 Ø	6.5	8.5	10.5	12	13	17	19	21	23.5	26	34	38	42	52	76
90 Ø	7	9.5	12	13.5	14	19	21	24	26.5	28	38	42	48	56	84
100 Ø	8	10.5	13	15	16	21	24	26	29	32	42	48	52	54	96
120 Ø	9.5	13	16	18	19	26	28	32	35	38	52	56	64	76	112
125 Ø	10	13.5	16.5	18.5	19.5	27	29	33	36.5	39	54	59	66	78	118
140 Ø	11	15	18	21	22	30	33	36	41	44	60	66	72	88	132
150 Ø	12	15.5	19.5	22.5	23.5	31.5	33.5	39	44	47	63	70.5	78.5	94.5	141.5
160 Ø	13	17	21	24	26	34	38	42	47	52	68	76	84	104	152
180 Ø	14	19	24	27	28	38	42.5	48	53	56	76	85	96	118	170
200 Ø	16	21	26	30	32	42	47	52	58.5	64	84	94	104	128	188
225 Ø	18	24	30	33.5	36	48	58	60	66	72	96	106	120	144	212
250 Ø	20	26	33	37	40	52	59	66	73.5	80	104	118	132	160	236
300 Ø	24	31.5	40	45	48	63	71	80	88	96	126	142	160	192	284
350 Ø	28	36.5	47	52	56	73	88	94	105	112	146	166	188	224	332
400 Ø	32	42	54	60	64	84	94	108	117	128	168	188	216	256	376
450 Ø	35.5	47	59	67.5	70.5	94.5	106	118	132	141.6	188	211	236	283	424
500 Ø	40	53	67	74.5	80	106	118	134	146.5	160	212	236	268	320	472

1

2

Cutting speed in m/s

1 Panels

2 Safety limits

Determination of cutting speed V_c

$$V_c \text{ (m/s)} = \frac{D \cdot \pi \cdot n}{60 \cdot 1000}$$

Determination of feed rate V_f

$$V_f \text{ (m/min)} = \frac{f_z \cdot n \cdot Z}{1000}$$

Determination of revolution speed n

$$n \text{ (min}^{-1}\text{)} = \frac{V_c \cdot 1000 \cdot 60}{D \cdot \pi}$$

- $V_c \text{ (m/s)}$ = Cutting speed
 $V_f \text{ (m/min)}$ = Feed rate
 $f_z \text{ (mm/z)}$ = Feed per tooth
 $D \text{ (mm)}$ = Saw blade diameter
 $n \text{ (min}^{-1}\text{)}$ = rpm
 Z = Number of teeth

1

2

3

4

5

6

7

8

9

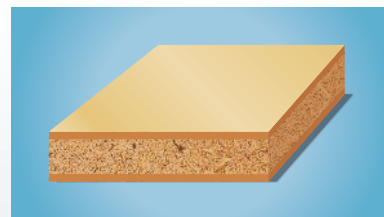
10

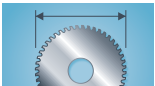
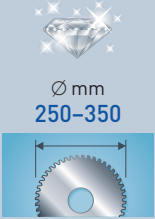
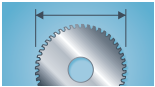
i

11

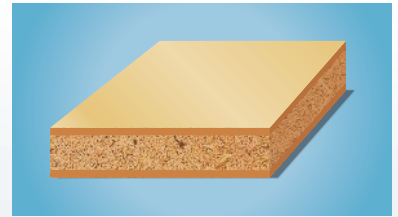
Index

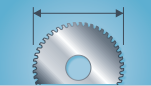
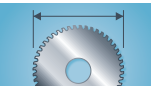
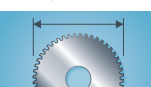
Panel sizing



Art. Ø mm	Type	Application	
11 1300 Ø mm 150-800 	Panel sizing Universal + Hundegger · Alternate top bevel tooth BEST SELLER	Good to very good cutting quality in all wooden materials, solid wood along and across the grain, panels and boards 1- and 2 sided plastic coated/veneered, strips and veneer, plastics.	1163
11 1320 Ø mm 200-500 	Panel sizing Universal Plus · Alternate Top Bevel tooth + Axial-Angle	Excellent, tear-free/splinter-free finishing-cut quality in all wooden materials, solid wood across the grain, panels and boards 1- and 2 sided plastic/veneer coated, strips, veneer, foils, plastics (Thermoplastics)	1165
11 1370  Ø mm 250-350	Diamond · Panel-sizing · Finishing-cut · Hard Plastics · Abrasive materials	Due to DP (polycrystalline Diamond) teeth extremely long tool life compared to carbide tipped saws. Excellent for sizing, cross cuts in heavy machining and abrading materials.	1167
11 1425 Ø mm 120-500 	Panel sizing Universal · Alternate Top Bevel tooth · Thin-cut BEST SELLER	Good to very good cutting quality in all wooden materials, solid wood along and across the grain, panels and boards 1- and 2 sided plastic coated/veneered, plastic profiles and boards. Due to thin-cut also ideal for battery machines and for cutting expensive precious wood, veneer, strips because of less waste/battery consumption.	1169

Panel sizing



Art. Ø mm	Type	Application	
11 1430 Ø mm 120-500 	Panel-sizing · Hard plastics · Abrasive materials · Thin-cut/Finishing-cut BEST SELLER	For finishing cuts in thin boards-profiles-strips of hard/abrasive plastics, GRP, CRP, HPL e.g. Trespa®, mineral material e.g. Corian®, PMMA (Acrylglass-Plexiglass), Eternit®, Fibre cement/Gypsum fibre boards, Sandwichmaterials.	1171
11 1460 Ø mm 250-400 	Panel-sizing · Hard + Abrasive Panel Materials · Triple-chip/Triple-Chip tooth	For sizing 2 sided panels and boards plastic coated/veneered in various thicknesses. Excellent also for hard/abrasive plastics, GRP, CRP, HPL e.g. Trespa®, mineral material e.g. Corian®, PMMA (Acrylglass-Plexiglass), Eternit®, Fibre cement/Gypsum fibre boards, Sandwichmaterials.	1173
11 1470 Ø mm 220-400 	Panel-sizing Universal · Triple-Chip/Flat tooth	Universal blade for sizing 2 sided panels and boards plastic coated/veneered in various thicknesses. Excellent also for hard/abrasive plastics, GRP, CRP, HPL e.g. Trespa®, mineral material e.g. Corian®, PMMA (Acrylglass-Plexiglass), Eternit®, Fibre cement/Gypsum fibre boards, Sandwichmaterials.	1175
11 1600 Ø mm 160-400 	Panel-sizing · Hollow tooth · Inverted V / Flat tooth positive BEST SELLER	Panel-sizing 1+2 sided plastic coated/veneered chipboards/furniture boards in various thicknesses. Good lower cutting edge quality even without scorer.	1177

1



2



3



4



5



6



7



8



9



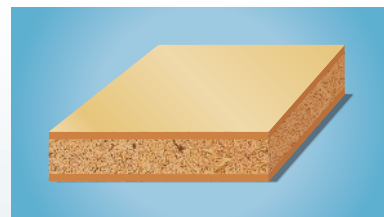
10

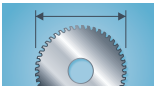
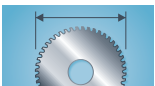


11



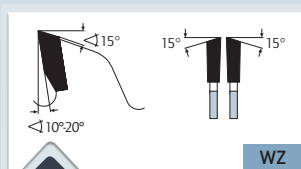
Panel sizing



Art. Ø mm	Type	Application	
11 1602 Ø mm 216-350 	Panel-sizing · Hollow tooth · Inverted V/Flat tooth negative	Panel-sizing 1+2 sided plastic coated/veneered chipboards/furniture boards in various thicknesses. Good lower cutting edge quality even without scorer. Because of negative tooth shape: Especially also for chop- and mitre saws, more compact and stable, better guiding by hand (manual feed)	1179
11 1604 Ø mm 220-350 	Panel-sizing · Hollow tooth · Triple-Chip/Triple Chip Positive	Panel-sizing 1+2 sided plastic coated/veneered chipboards/furniture boards in various thicknesses. Good to very good lower cutting edge quality even without scorer especially for hard surfaces which splinter/break out easily	1181
11 1610 Ø mm 160-350 	Panel-sizing · Alternate Top Bevel Extreme 35° · Positive	Splinter/tear free finishing cuts in solid wood across the grain, strips, veneer, profiles solid or coated/veneered. 1+2 sided plastic coated/veneered chipboards/furniture boards in various thicknesses. Thermoplastics. Excellent lower cutting edge quality even without scorer.	1183
11 1615 Ø mm 216-350 	Panel-sizing · Alternate Top Bevel Extreme 35° · Negative	Splinter/tear free finishing cuts in solid wood across the grain, strips, veneer, profiles solid or coated/veneered. 1+2 sided plastic coated/veneered chipboards/furniture boards in various thicknesses. Thermoplastics. Excellent lower cutting edge quality even without scorer. Because of negative tooth shape: Especially also for chop- and mitre saws, more compact and stable, better guiding by hand (manual feed).	1185

11 1300

Panel sizing universal + Hundegger · Alternate top bevel tooth



> Alternate top bevel

MACHINE

For bench and panel sizing saws, cross cut saws, Hundegger trimming machines.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Soft wood, hard wood, and exotic wood along the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material

APPLICATION

Lower number of teeth: Good cutting quality in all wooden materials, solid wood across and along the grain, panels and boards one-sided plastic coated/veneered, paper-based laminate, thicker plastic boards/profiles (thermoplastics).

Higher number of teeth: Very good cutting quality in all wooden materials, solid wood across and along the grain, panels and boards two-sided plastic coated/veneered (if applicable with scorer), paper-based laminate, strips and veneer, plastics (thermoplastics, duroplastics)

For excellent cutting in all wooden materials, solid wood an panels/boards two-sided plastic coated/veneered (also without using scorer) see art. 11 1320 page 1165.

Also excellent smooth and tear free/splinter free cutting surface for a attractive price see article 11 1610 on page 1182.

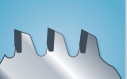
Movie



Panel sizing universal + Hundegger · Alternate top bevel tooth

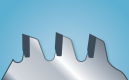
11 1300

Bestseller – price reduced

Art.							
11 1300 150 010	% 150	3.2/2.2	30	36 WZ	10	UNI	-
11 1300 230 010	• 230	3.2/2.2	30	48 WZ	15	UNI	-
11 1300 250 010	• 250	3.2/2.2	30	40 WZ	15	UNI	✓
11 1300 250 020	• 250	3.2/2.2	30	48 WZ	15	UNI	✓
11 1300 250 030	• 250	3.2/2.2	30	60 WZ	10	UNI	✓
11 1300 250 040	• 250	3.2/2.2	30	80 WZ	10	UNI	✓
11 1300 300 010	• 300	3.2/2.2	30	48 WZ	15	UNI	✓
11 1300 300 020	• 300	3.2/2.2	30	60 WZ	15	UNI	✓
11 1300 300 030	• 300	3.2/2.2	30	72 WZ	10	UNI	✓
11 1300 300 040	• 300	3.2/2.2	30	96 WZ	10	UNI	✓
11 1300 305 010	• 305	3.2/2.2	30	48 WZ	15	UNI	✓
11 1300 305 020	• 305	3.2/2.2	30	60 WZ	15	UNI	✓
11 1300 305 030	• 305	3.2/2.2	30	72 WZ	10	UNI	✓
11 1300 315 010	• 315	3.2/2.2	30	48 WZ	15	UNI	✓
11 1300 315 020	• 315	3.2/2.2	30	60 WZ	15	UNI	✓
11 1300 315 030	• 315	3.2/2.2	30	72 WZ	10	UNI	✓
11 1300 315 040	• 315	3.2/2.2	30	96 WZ	10	UNI	✓
11 1300 350 010	• 350	3.5/2.5	30	54 WZ	15	UNI	✓
11 1300 350 020	• 350	3.5/2.5	30	72 WZ	15	UNI	✓
11 1300 350 030	• 350	3.5/2.5	30	84 WZ	10	UNI	✓
11 1300 350 040	• 350	3.5/2.5	30	108 WZ	10	UNI	✓
11 1300 370 010	• 370	4.2/2.5	30	60 WZ	15	UNI	✓
11 1300 400 010	• 400	3.5/2.5	30	60 WZ	15	UNI	✓
11 1300 400 020	• 400	3.5/2.5	30	84 WZ	15	UNI	✓
11 1300 400 030	• 400	3.5/2.5	30	96 WZ	10	UNI	✓
11 1300 400 040	• 400	3.5/2.5	30	120 WZ	10	UNI	✓
11 1300 450 010	• 450	4.0/2.8	30	66 WZ	15	UNI	✓
11 1300 450 020	• 450	4.0/2.8	30	84 WZ	15	UNI	✓
11 1300 450 030	• 450	4.0/2.8	30	108 WZ	10	UNI	✓
11 1300 450 040	• 450	4.0/2.8	30	132 WZ	10	UNI	✓
11 1300 500 010	• 500	4.0/2.8	30	60 WZ	20	UNI+2-10-80	✓
11 1300 500 020	• 500	4.0/2.8	30	72 WZ	15	UNI+2-10-80	✓
11 1300 500 030	• 500	4.0/2.8	30	96 WZ	15	UNI+2-10-80	✓
11 1300 500 050	• 500	4.0/2.8	30	144 WZ	10	UNI+2-10-80	✓

• Sale item. While stocks last.

SPECIAL SELECTION HUNDEGGER

Art.	Machine							
11 1300 550 010	Automatic cutting machine Turbo-Drive	% 550	6.0/4.4	30	60 WZ	15	8-8.5-120 Sunken 2-13-240 Staggered 22.5°	✓
11 1300 600 010		○ 600	4.8/3.4	30	48 WZ	15	2-8.5-90+2-10-80+2-15-63	✓
11 1300 650 010		○ 650	5.8/4.0	30	36 WZ	15	2-8.5-90+2-10-80+2-15-63	✓
11 1300 650 030		○ 650	5.6/4.0	30	96 WZ	12	2-8.5-90+2-10-80+2-15-63	✓
11 1300 720 010	Automatic cutting machine SC-3	○ 720	6.0/4.4	30	72 WZ	15	8-8.5-120 Sunken 4-8.1-90 Staggered 2-14-400 Staggered	✓
11 1300 720 020		○ 720	6.0/4.4	30	48 WZ	15	4-8.5-90+2-15-415	✓
11 1300 735 010		○ 735	6.0/4.4	30	72 WZ	15	4-8.5-90+2-15-415	✓
11 1300 760 010		○ 760	6.0/4.4	30	72 WZ	15	4-8.5-90+2-15-415	✓
11 1300 800 010	Joinery machine Robot-Drive	○ 800	6.0/4.4	30	72 WZ	15	8-8.5-160 Sunken 4-8.1-90 Staggered 2-14-400 Staggered	✓
11 1300 800 020		○ 800	6.0/4.4	30	80 WZ	12	4-8.5-90+2-15-415	✓

• Special price / sale article. While stocks last.

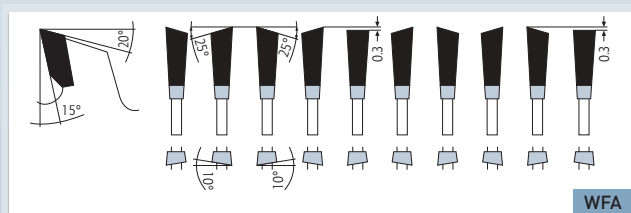
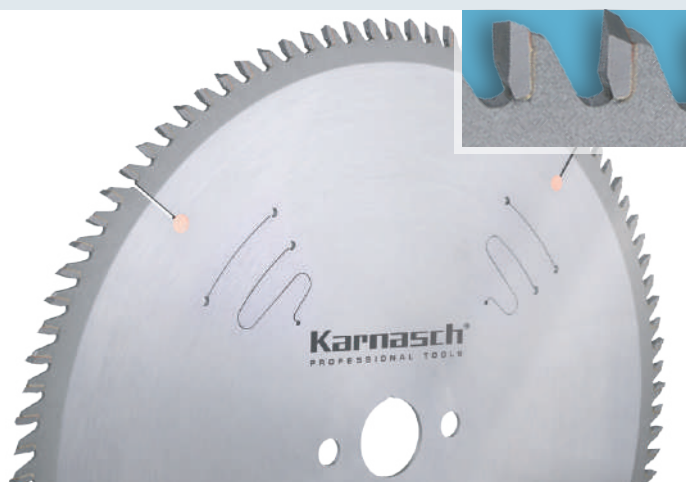
Other sizes Hundegger available at short notice on request

UNI = 2-7-42 + 2-9-46.40 + 2-10-60



11 1320

Panel sizing universal plus · Alternate to bevel tooth + axial-angle



> Alternate top bevel / flat tooth with axial angle

MACHINE

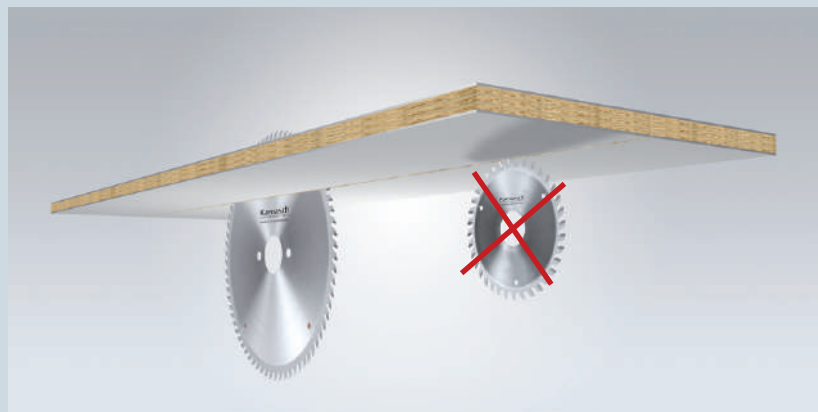
Vertical panel sizing saws, trimming saws, double mitre saws, mechanical chop saws, under frame mounted chop saws, machining centers with saw aggregate.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

Panel sizing/trimming of wood-based material in excellent finishing-cut quality. **Splinter-free** sawing of laminated wood-based material including material with very thick top layers, solid wood across the grain, plastic profiles, synthetically coated ledges, veneered or foil-sheathed door frames...



Scorer not required

Movie



1

2

3

4

5

6

7

8

9

10

11

Panel sizing universal plus · Alternate to bevel tooth + axial-angle

11 1320

Art.						
11 1320 200 010	• 200	3.0/2.2	30	60 WFA	2-6,2-42 + 4-6-52 + 4-6,6-60	-
11 1320 220 010	% 220	3.0/2.2	30	70 WFA	UNI	-
11 1320 250 010	• 250	3.0/2.2	30	80 WFA	UNI	✓
11 1320 303 010	• 303	3.0/2.2	30	100 WFA	UNI	✓
11 1320 350 010	• 350	3.0/2.2	30	100 WFA	UNI	✓
11 1320 400 010	• 400	3.0/2.2	30	120 WFA	UNI	✓
11 1320 450 010	• 450	3.6/2.8	30	130 WFA	UNI	✓
11 1320 500 010	• 500	3.6/2.8	30	140 WFA	UNI	✓

% Sale item. While stocks last.

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

Working with spindle **under** the panel



Due to the positive cutting angle acts the cutting pressure above the panel into the stable saw table.

1

2

3

4

5

6

7

8

9

10

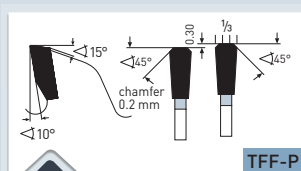
i

11

Index

11 1370

Diamond · Panel-sizing · Finishing cut · Hard plastics · Abrasive materials



> Triple-chip/flat tooth (with protective chamfer on both sides)

MACHINE

For sizing saws, panel saws, bench saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

Due to DP (Polycrystalline Diamond) teeth extremely long tool life compared to carbide tipped circular saws. Excellent for sizing, formatting, cross cuts in extreme abrasive, heavy machining and abrading materials such as: Corian, Trespa, laminates, MDF, gypsum and cement-bonded boards, Rockwool boards, Heraklith products, Eternit.

Also excellent for Duroplastic materials such as: Glass fibre plastic (GRP), Carbon fibre plastic (CRP), Carbon, Aramid fibre plastic (AFK), HP, HPL, PUR.

For finishing cuts in solid thermoplastic boards (PMMA, acrylic glass, polyethylene, polyamide etc.) and solid duroplastic boards (HPL-high-pressure-laminate, HP-Hardpaper, phenolic resin bonded paper, phenolic laminated cotton sheets, Trespa, Resopal, Multiplex). Also for polymer-bound plastics, mineral materials such as Corian, Noblan, Hi-Macs, Staron, Rausolid etc.

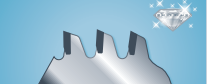
Excellent also for finishing cuts in double-side plastic coated boards, preferably in combination with coring saw blades. Ideal also for cutting plastic profiles.

Movie



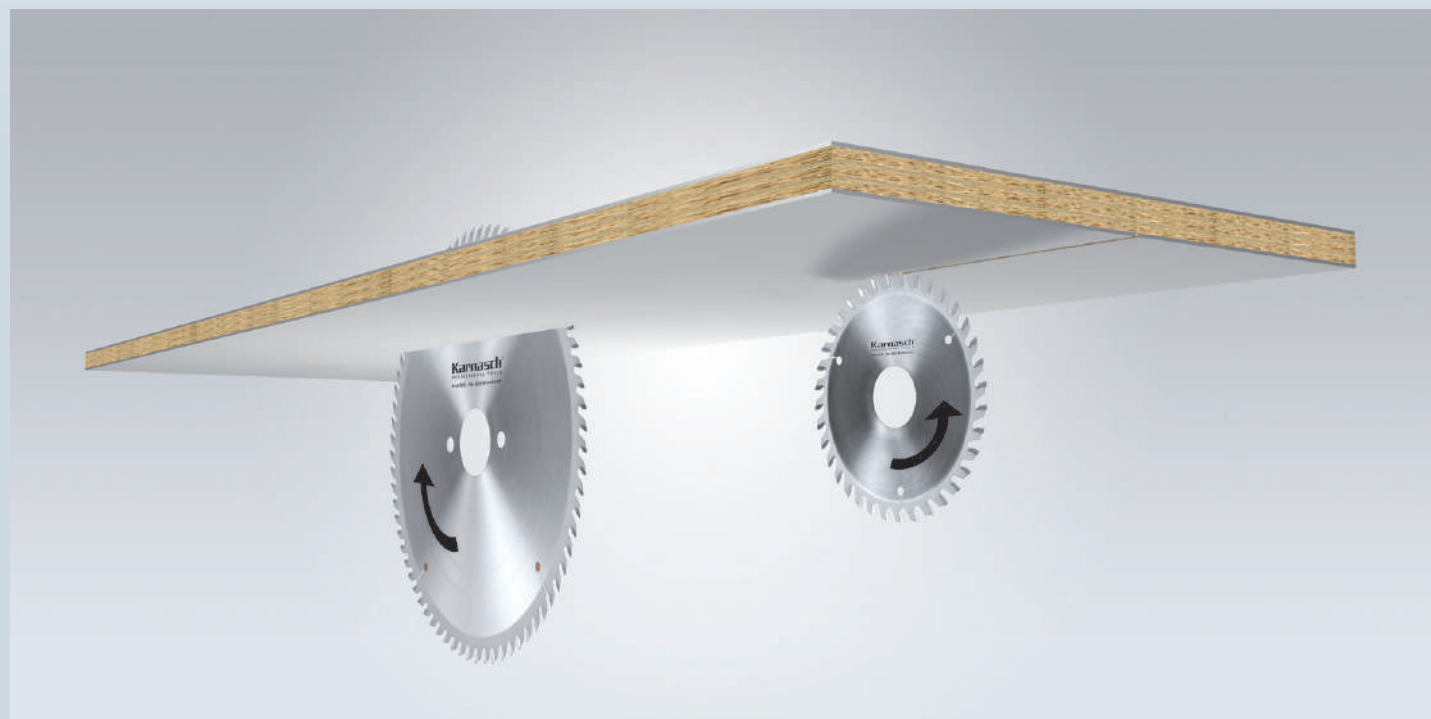
Diamond · Panel-sizing · Finishing cut · Hard plastics · Abrasive materials

11 1370

Art.							DP-Tip high
11 1370 250 020							5 mm
	250	3.2/2.2	30	80 TFF-P	UNI		

 Sale item. While stocks last.

UNI = 2-7-42 + 2-9-46.40 + 2-10-60



For plastic coated/melamine boards scoring recommended. Scorer see page 1155/1209. Cutting of coated/veneered boards without scorer see page 1107, 1177, 1179, 1181, 1183, 1184

1



2



3



4



5



6



7



8



9



10



11



Index

11 1425

Panel-sizing universal · Alternate top bevel tooth · Thin-cut

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®

APPLICATION

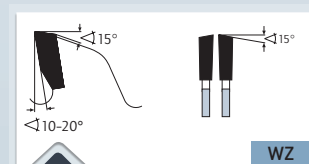
Due to thin-cut also ideal for battery machines and for cutting expensive precious wood, veneer, strips because of less waste/battery consumption.

Low number of teeth: Coarse to medium cutting quality in all wooden materials, precious wood and solid wood across and along the grain, panel and boards one-side plastic coated/veneered, paper-based laminate, thicker plastic profiles and plates (Thermoplastics). High feed rate possible

Medium number of teeth: Good cutting quality in all wooden materials, precious wood, solid wood and strips across and along the grain, panel and boards one-side/two side plastic coated/veneered, paper-based laminate, veneer and veneer packages, plastic profiles/plates (Thermoplastics, Duroplastics)

High number of teeth: Very good cutting quality in all wooden materials, precious wood, solid wood and strips preferably across the grain, panel and boards two side plastic coated/veneered, paper-based laminate, veneer and veneer packages, plastic profiles/plates (Thermoplastics, Duroplastics)

Due to special carbide also excellent for cutting hard thermoplastics such as thin panels, hollow section boards made of PC (Polycarbonate), PMMA (Acrylic-glass/Plexiglass). See here also article 11 1430, page 1115



> Alternate top bevel

MACHINE

For portable circular saws, bench- and sizing saws, panel sizing saws, cross-cut saws, cordless saws.

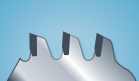
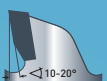
Movie



Panel-sizing universal · Alternate top bevel tooth · Thin-cut

11 1425

Bestseller – price reduced

Art.							
11 1425 120 010	• 120	1.8/1.2	20	12 WZ	20	-	-
11 1425 120 020	• 120	1.8/1.2	20	28 WZ	15	-	-
11 1425 120 030	• 120	1.8/1.2	20	44 WZ	10	-	-
11 1425 136 010	• 136	1.8/1.2	20/10	14 WZ	20	-	-
11 1425 136 020	• 136	1.8/1.2	20/10	30 WZ	15	-	-
11 1425 136 030	• 136	1.8/1.2	20/10	48 WZ	10	-	-
11 1425 160 010	• 160	1.8/1.2	20/16	16 WZ	20	2-6-32	-
11 1425 160 020	• 160	1.8/1.2	20/16	32 WZ	15	2-6-32	-
11 1425 160 030	• 160	1.8/1.2	20/16	54 WZ	10	2-6-32	-
11 1425 160 040	• 160	1.8/1.2	20/16	68 WZ	10	2-6-32	-
11 1425 165 010	• 165	1.8/1.2	20	16 WZ	20	2-6-32	-
11 1425 165 020	• 165	1.8/1.2	20	32 WZ	15	2-6-32	-
11 1425 165 030	• 165	1.8/1.2	20	54 WZ	10	2-6-32	-
11 1425 165 040	• 165	1.8/1.2	20	68 WZ	10	2-6-32	-
11 1425 180 010	• 180	1.8/1.2	20/16	18 WZ	20	2-6-32	-
11 1425 180 020	• 180	1.8/1.2	20/16	40 WZ	15	2-6-32	-
11 1425 180 030	• 180	1.8/1.2	20/16	60 WZ	10	2-6-32	-
11 1425 180 040	• 180	1.8/1.2	20/16	76 WZ	10	2-6-32	-
11 1425 190 010	• 190	1.8/1.2	30/20	18 WZ	20	2-7-42	-
11 1425 190 020	• 190	1.8/1.2	30/20	42 WZ	15	2-7-42	-
11 1425 190 030	• 190	1.8/1.2	30/20	60 WZ	10	2-7-42	-
11 1425 190 040	• 190	1.8/1.2	30/20	76 WZ	10	2-7-42	-
11 1425 200 010	• 200	2.0/1.4	30	18 WZ	20	2-7-42	-
11 1425 200 020	• 200	2.0/1.4	30	42 WZ	15	2-7-42	-
11 1425 200 030	• 200	2.0/1.4	30	64 WZ	10	2-7-42	-
11 1425 200 040	• 200	2.0/1.4	30	80 WZ	10	2-7-42	-
11 1425 210 010	• 210	2.0/1.4	30	20 WZ	20	2-7-42	-
11 1425 210 020	• 210	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 210 030	• 210	2.0/1.4	30	64 WZ	10	2-7-42	-
11 1425 210 040	• 210	2.0/1.4	30	80 WZ	10	-	-
11 1425 216 010	• 216	2.0/1.4	30	20 WZ	20	2-7-42	-
11 1425 216 020	• 216	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 216 030	• 216	2.0/1.4	30	64 WZ	10	2-7-42	-
11 1425 216 040	• 216	2.0/1.4	30	80 WZ	10	2-7-42	-
11 1425 220 010	• 220	2.0/1.4	30	48 WZ	20	2-7-42	-
11 1425 225 010	• 225	2.0/1.4	30	24 WZ	20	2-7-42	-
11 1425 225 020	• 225	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 225 030	• 225	2.0/1.4	30	68 WZ	10	2-7-42	-
11 1425 225 040	• 225	2.0/1.4	30	88 WZ	10	2-7-42	-
11 1425 230 010	• 230/235	2.0/1.4	30	24 WZ	20	2-7-42	-
11 1425 230 020	• 230/235	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 230 030	• 230/235	2.0/1.4	30	68 WZ	10	2-7-42	-
11 1425 230 040	• 230/235	2.0/1.4	30	88 WZ	10	2-7-42	-
11 1425 250 010	• 250	2.2/1.6	30	30 WZ	20	UNI	✓
11 1425 250 020	• 250	2.2/1.6	30	56 WZ	15	UNI	✓
11 1425 250 030	• 250	2.2/1.6	30	80 WZ	10	UNI	✓
11 1425 250 040	• 250	2.2/1.6	30	100 WZ	10	UNI	✓
11 1425 260 010	• 260	2.2/1.6	30	30 WZ	20	UNI	✓
11 1425 260 020	• 260	2.2/1.6	30	56 WZ	15	UNI	✓
11 1425 260 030	• 260	2.2/1.6	30	80 WZ	10	UNI	✓
11 1425 270 010	• 270	2.2/1.6	30	30 WZ	20	UNI	✓
11 1425 270 020	• 270	2.2/1.6	30	56 WZ	15	UNI	✓
11 1425 270 030	• 270	2.2/1.6	30	80 WZ	10	UNI	✓
11 1425 300 010	• 300	2.2/1.6	30	36 WZ	20	UNI	✓
11 1425 300 020	• 300	2.2/1.6	30	60 WZ	15	UNI	✓
11 1425 300 030	• 300	2.2/1.6	30	96 WZ	10	UNI	✓
11 1425 300 040	• 300	2.2/1.6	30	120 WZ	10	UNI	✓
11 1425 350 010	• 350	2.4/1.8	30	42 WZ	20	UNI	✓
11 1425 350 020	• 350	2.4/1.8	30	72 WZ	15	UNI	✓
11 1425 350 030	• 350	2.4/1.8	30	108 WZ	10	UNI	✓
11 1425 350 040	• 350	2.4/1.8	30	140 WZ	10	UNI	✓
11 1425 400 010	• 400	2.8/2.2	30	60 WZ	15	UNI	✓
11 1425 400 020	• 400	2.8/2.2	30	96 WZ	10	UNI	✓
11 1425 400 030	• 400	2.8/2.2	30	120 WZ	10	UNI	✓
11 1425 450 010	• 450	3.1/2.5	30	66 WZ	15	UNI	✓
11 1425 450 020	• 450	3.1/2.5	30	108 WZ	10	UNI	✓
11 1425 450 030	• 450	3.1/2.5	30	130 WZ	10	UNI	✓
11 1425 500 010	• 500	3.4/2.8	30	72 WZ	15	UNI+2-10-80	✓
11 1425 500 020	• 500	3.4/2.8	30	120 WZ	10	UNI+2-10-80	✓
11 1425 500 030	• 500	3.4/2.8	30	144 WZ	10	UNI+2-10-80	✓

• Manufactured 232.50 mm · UNI = 2-7-42 + 2-9-46.40 + 2-10-60

1

2

3

4

5

6

7

8

9

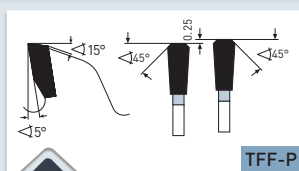
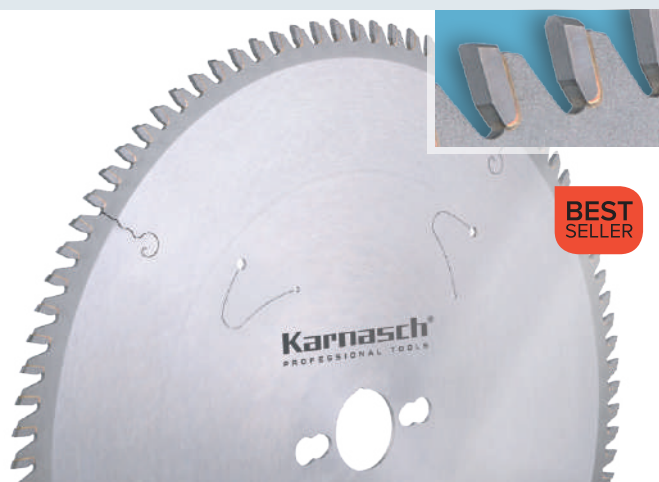
10

11

Index

11 1430

Panel-sizing · Hard plastics · Abrasive materials · Finishing-cut / thin-cut



> Triple-chip/triple-chip teeth

MACHINE

For portable circular saws, bench- and sizing saws, panel sizing saws, cross-cut saws, cordless saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Thin profiles made of non ferrous materials like alu, copper, brass
✓		Thin iron sheets, sandwich material, composites

APPLICATION

Sizing and cross cuts profiles, plates, blocks and rods made of aluminium, brass, copper and plastics.

Due to special carbide / tooth geometry excellent for finishing cuts in thin plates and profiles made of hard plastics (thermoplastics) such as: PVC, PE, PA, ABS, PS, POM PC, PMMA e.g. hollow section boards of PMMA (acrylic glass) and abrasive materials such as: GRP, CRP, fibre cement panels, gypsum, fibre boards, eternit.

Also suitable for sandwich materials with thin layers.
Maximum layer thickness for non-ferrous-metals = 1.0 mm
Maximum layer thickness steel sheet = 0.3 mm

Due to TFF-P cut:

- Almost burr-free finishing-cut quality also at the lower side/exit of the workpiece
- Excellent cutting quality at the cut surface (almost mirror finish)
- Even better lifetime

Due to thin cutting width:

- Less waste
- Less wear/energy consumption of the machine
- With hand-held machines and manual feed much less effort, therefore excellent for cordless machines

You want:

- Even higher number of teeth to improve the cutting quality/tool life?
- Due to negative rake angle improves control with manual feed?
- Due to negative rake angle higher insensitivity to tooth breakage?
- ... see art. 11 1130, page 1135

Special design for anodised or lacquered aluminium on request.

Movie



Panel-sizing · Hard plastics · Abrasive materials · Finishing-cut / thin-cut

11 1430

Bestseller – price reduced

Art.						
11 1430 120 010	• 120	1.8/1.2	20	40 TFF-P	-	-
11 1430 136 010	• 136	1.8/1.2	20/10	48 TFF-P	-	-
11 1430 160 010	• 160	1.8/1.2	20/16	56 TFF-P	2-6-32	-
11 1430 180 010	• 180	1.8/1.2	20/16	60 TFF-P	2-6-32	-
11 1430 190 010	• 190	1.8/1.2	30/20	60 TFF-P	2-7-42	-
11 1430 200 010	• 200	2.0/1.4	30	64 TFF-P	2-7-42	-
11 1430 210 010	• 210	2.0/1.4	30	64 TFF-P	2-7-42	-
11 1430 225 010	• 225	2.0/1.4	30	68 TFF-P	2-7-42	-
11 1430 230 010	• 230/235 ●	2.0/1.4	30	68 TFF-P	2-7-42	-
11 1430 250 010	• 250	2.4/1.8	30	80 TFF-P	UNI	✓
11 1430 250 020	• 250	2.2/1.8	30	120 TFF-P	UNI	✓
11 1430 300 010	• 300	2.4/1.8	30	96 TFF-P	UNI	✓
11 1430 300 020	• 300	2.4/1.8	30	128 TFF-P	UNI	✓
11 1430 350 010	• 350	2.4/1.8	30	108 TFF-P	UNI	✓
11 1430 350 020	• 350	2.4/1.8	30	132 TFF-P	UNI	✓
11 1430 400 010	• 400	3.2/2.5	30	120 TFF-P	UNI	✓
11 1430 400 020	• 400	3.1/2.5	30	138 TFF-P	UNI	✓
11 1430 450 010	• 450	3.5/2.8	30	132 TFF-P	UNI	✓
11 1430 450 020	• 450	3.4/2.8	30	144 TFF-P	UNI	✓
11 1430 500 010	• 500	3.5/2.8	30	144 TFF-P	UNI	✓

● Manufactured 232.50 mm · UNI = 2-7-42 + 2-9-46.40 + 2-10-60

1



2



3



4



5



6



7



8



9



10



11



1



2



3



4



5



6



7



8



9



10

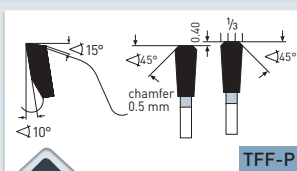
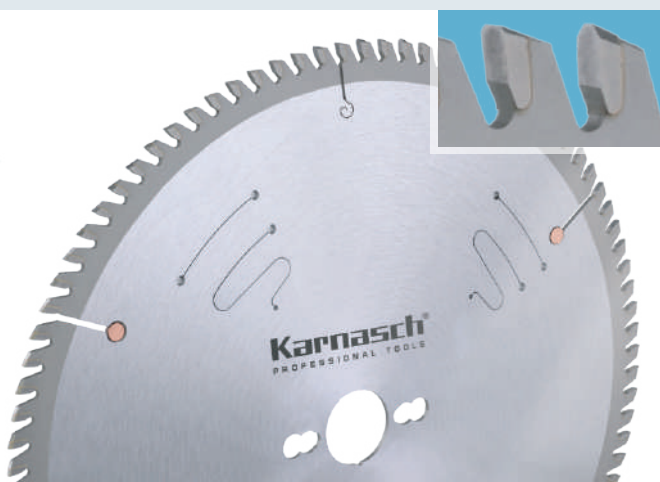


11



11 1460

Panel-sizing · Hard + abrasive panel materials / Triple-chip/triple-chip tooth



> Triple-chip/flat tooth (flat tooth with chamfer on both sides)

MACHINE

For sizing saws, panel saws, bench saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

For sizing panels of various thicknesses, cutting stacks made of thermoplastics such as: PVC, PE, PA, ABS, PS, POM.

Excellent also for cutting plastic profiles and finishing cuts in double-side plastic coated chip- and hard fibre materials/boards in combination with scoring saw blades.

Due to special carbide teeth also good for cutting abrasive, heavy machining and abrading materials such as HPL, high-pressure-laminate (Trespa, Resopal) and mineral materials such as corian, noblan, staron etc.

Movie

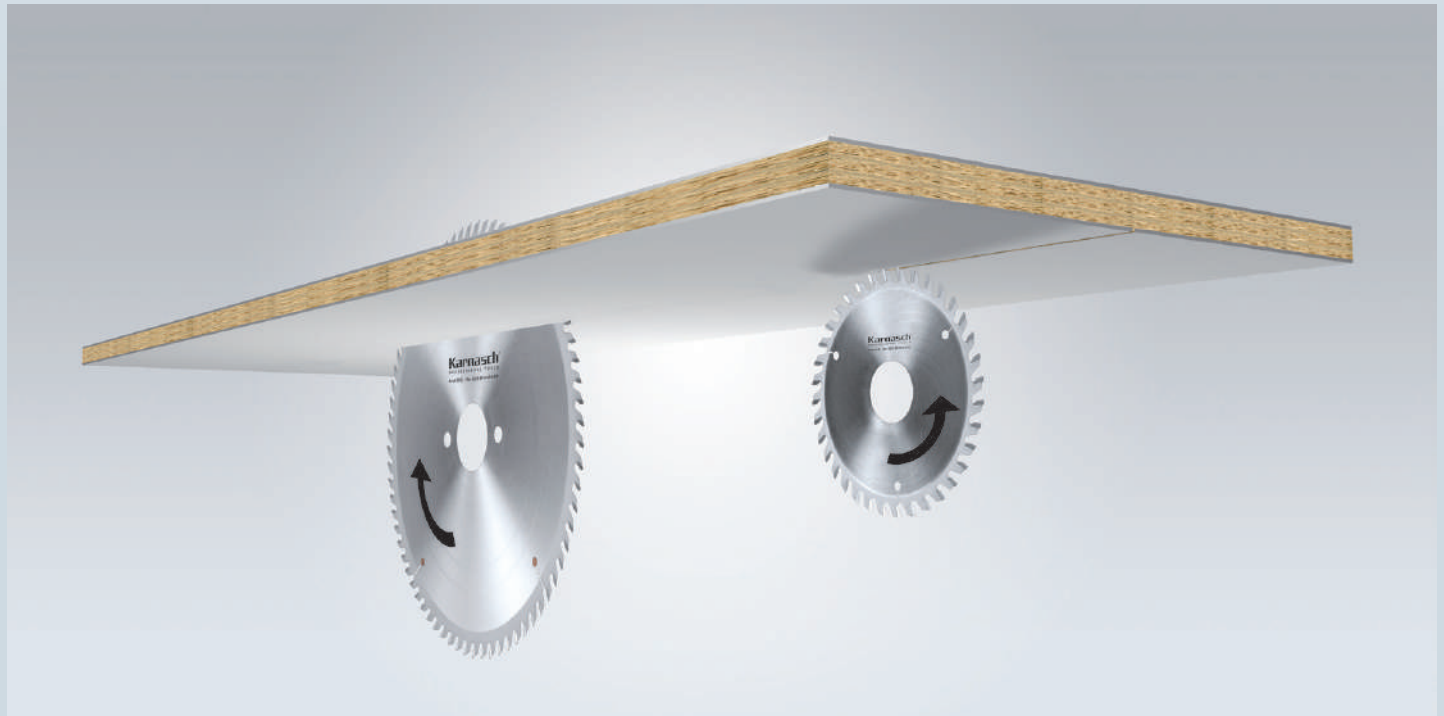


Panel-sizing · Hard + abrasive panel materials / Triple-chip/triple-chip tooth

11 1460

Art.						
11 1460 250 010	• 250	3.2/2.2	30	60 TFF-P	UNI	✓
11 1460 250 020	• 250	3.2/2.2	30	80 TFF-P	UNI	✓
11 1460 300 010	• 300	3.2/2.2	30	72 TFF-P	UNI	✓
11 1460 300 020	• 300	3.2/2.2	30	96 TFF-P	UNI	✓
11 1460 303 020	• 303	3.2/2.2	30	72 TFF-P	UNI	✓
11 1460 303 030	• 303	3.2/2.2	30	96 TFF-P	UNI	✓
11 1460 350 010	• 350	3.2/2.2	30	84 TFF-P	UNI	✓
11 1460 350 020	• 350	3.2/2.2	30	108 TFF-P	UNI	✓
11 1460 400 010	• 400	3.5/2.5	30	120 TFF-P	UNI	✓
11 1460 450 010	• 450	3.5/2.5	30	132 TFF-P	UNI	✓
11 1460 500 010	• 500	3.8/2.8	30	144 TFF-P	UNI	✓

UNI = 2-7-42 + 2-9-46.40 + 2-10-60



For plastic coated/melamine boards scoring recommended. Scorer see page 1209. Cutting of coated/veneered boards without scorer see page 1155

1

2

3

4

5

6

7

8

9

10

i

11

Index

1



2



3



4



5



6



7



8



9



10

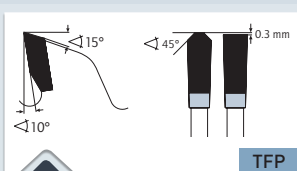


11



11 1470

Panel-sizing universal · Triple chip/flat tooth



> Triple-chip/flat tooth positive

MACHINE

For sizing saws, panel saws, bench saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian [®] , Noblan [®] , Hi-Macs [®] , Staron [®] , Rausolid [®] , Varicor [®]
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa [®] , Resopal [®] , Duropal [®] , Formica [®] , Kronospan [®] , Decodur [®]
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

For finishing cuts in solid thermoplastic boards (PMMA, acrylic glass, polyethylene, polyamide etc.) and solid duroplastic boards (HPL-high-pressure-laminate, HP-Hardpaper, phenolic resin bonded paper, phenolic laminated cotton sheets, Trespa, Resopal, Multiplex).

Also for polymer-bound plastics, mineral materials such as: Corian, Noblan, Hi-Macs, Staron, Rausolid etc.

Excellent also for finishing cuts in double-side plastic coated boards, preferably in combination with coring saw blades.

Ideal also for cutting plastic profiles.

Movie

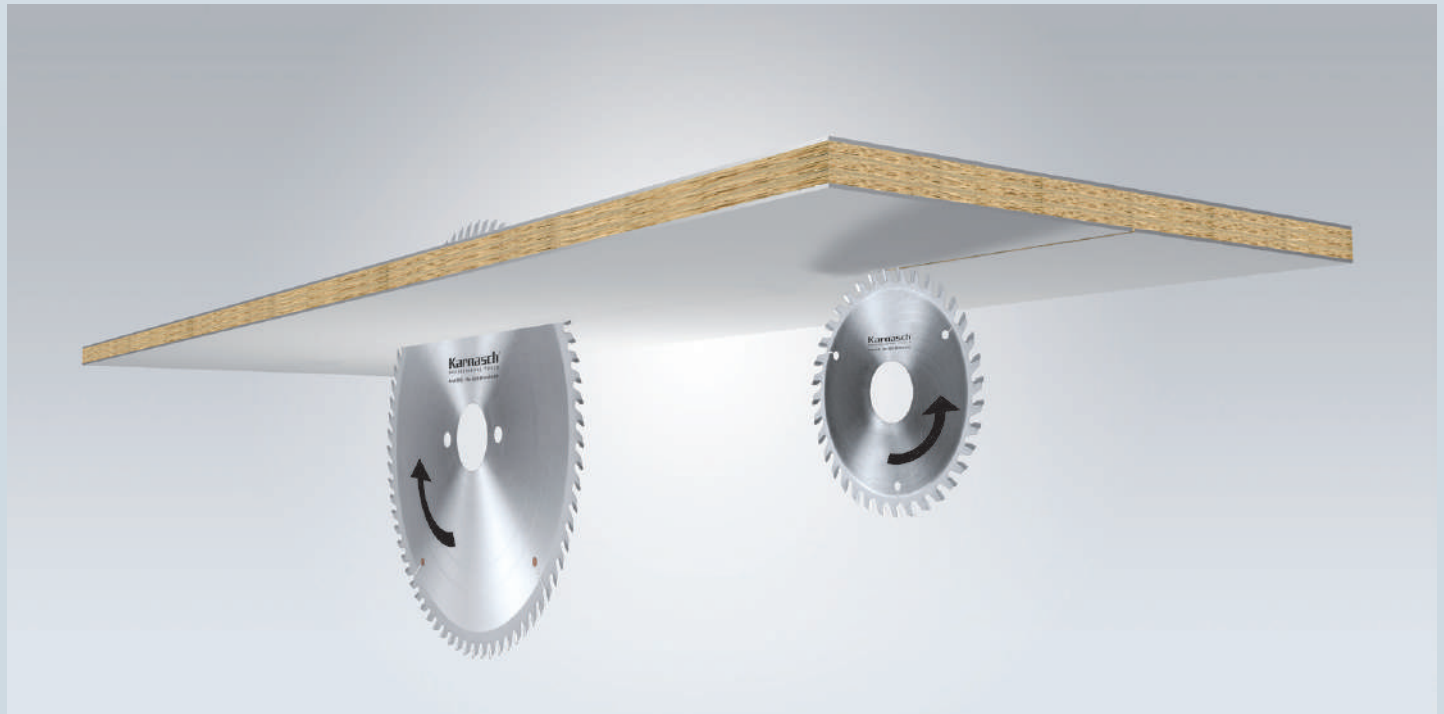


Panel-sizing universal · Triple chip/flat tooth

11 1470

Art.						
11 1470 220 010	• 220	3.2/2.2	30	64 TFP	2-7-42	-
11 1470 250 010	• 250	3.2/2.2	30	60 TFP	UNI	✓
11 1470 250 020	• 250	3.2/2.2	30	80 TFP	UNI	✓
11 1470 300 010	• 300	3.2/2.2	30	72 TFP	UNI	✓
11 1470 300 020	• 300	3.2/2.2	30	96 TFP	UNI	✓
11 1470 303 010	• 303	3.2/2.2	30	60 TFP	UNI	✓
11 1470 303 020	• 303	3.2/2.2	30	72 TFP	UNI	✓
11 1470 303 030	• 303	3.2/2.2	30	96 TFP	UNI	✓
11 1470 350 010	• 350	3.5/2.5	30	84 TFP	UNI	✓
11 1470 350 020	• 350	3.5/2.5	30	108 TFP	UNI	✓
11 1470 400 010	• 400	3.5/2.5	30	120 TFP	UNI	✓
11 1470 450 010	• 450	3.5/2.5	30	132 TFP	UNI	✓
11 1470 500 010	• 500	3.8/2.8	30	144 TFP	UNI	✓

UNI = 2-7-42 + 2-9-46.40 + 2-10-60



For plastic coated/melamine boards scoring recommended. Scorer see page 1209. Cutting of coated/veneered boards without scorer see page 1155

1

2

3

4

5

6

7

8

9

10

i

11

Index

1



11 1600

Panel-sizing · Hollow tooth · Inverted V-flat tooth positive

2



3



4



5



6



7



8



9



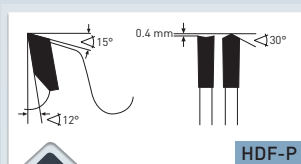
10



11



Index



> Hollow tooth inverted V-flat positive

MACHINE

Panel-sizing machines for example from STRIEBIG, HOLZ-HER.
Circular bench saws for example from ALTENDORF, MARTIN. Sizing machines, portable machines.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

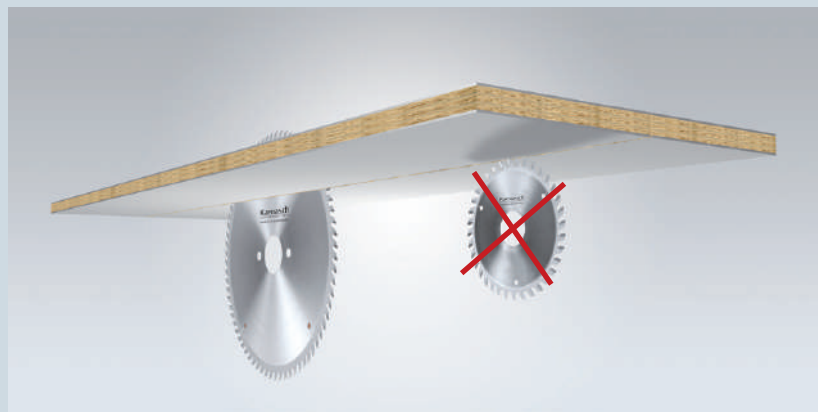
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

For panel sizing two-sided coated chipboards (polyester, thermoplastic). Covered furniture boards (veneer, plastic).

Good cutting quality of the lower edge even without scoring blade.

For very good cutting quality of the lower edge without scoring blade see article 11 1320, page 1165



Scorer not required

Movie



Panel-sizing · Hollow tooth · Inverted V-flat tooth positive

11 1600

Bestseller – price reduced

Art.						
11 1600 160 010	• 160	2.8/1.8	20/16	38 HDF-P	2-6-32	-
11 1600 180 010	• 180	2.8/1.8	30/20	38 HDF-P	2-7-42	-
11 1600 190 010	• 190	2.8/1.8	30	42 HDF-P	2-7-42	-
11 1600 200 010	• 200	2.8/1.8	30	48 HDF-P	2-7-42	-
11 1600 210 010	• 210	2.8/1.8	30	48 HDF-P	2-7-42	-
11 1600 220 010	• 220	3.2/2.2	30	42 HDF-P	2-7-42	-
11 1600 250 010	• 250	3.2/2.2	30	48 HDF-P	UNI	✓
11 1600 303 020	• 303	3.2/2.2	30	60 HDF-P	UNI	✓
11 1600 303 030	• 303	3.2/2.2	30	72 HDF-P	UNI	✓
11 1600 350 010	• 350	3.5/2.5	30	72 HDF-P	UNI	✓
11 1600 400 010	• 400	3.5/2.5	30	78 HDF-P	UNI	✓

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

Working with spindle **under** the panel

Due to the positive cutting angle acts the cutting pressure above the panel into the stable saw table.

1

2

3

4

5

6

7

8

9

10

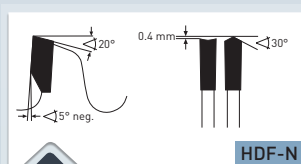
i

11

Index

11 1602

Panel-sizing · Hollow tooth · Inverted V-flat tooth negative



> Hollow tooth inverted V-flat negative

MACHINE

Panel-sizing machines in particular also for vertical panel-sizing machines for example from STRIEBIG, HOLZ-HER. Circular bench saws for example from ALTENDORF, MARTIN. Chop- and mitre saws, sizing machines.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

For panel sizing two-sided coated chipboards (polyester, thermoplastic). Covered furniture boards (veneer, plastic).

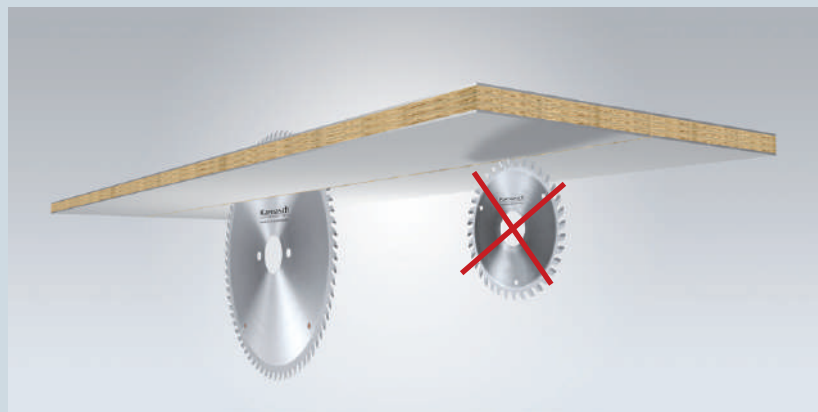
Advantages of the negative tooth shape:

- Due to the negative tooth shape easy guiding by hand (manual feed).
- The blade is not pulled into the material to be cut.
- Therefore excellent for chop- and mitre saws, vertical panel-sizing machines.
- Compact and thus more stable and shatter-insensitive.

Good cutting quality of the lower edge even without scoring blade.

For very good cutting quality of the lower edge without scoring blade see article 11 1320, page 1165

Scorer not required

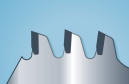


Movie

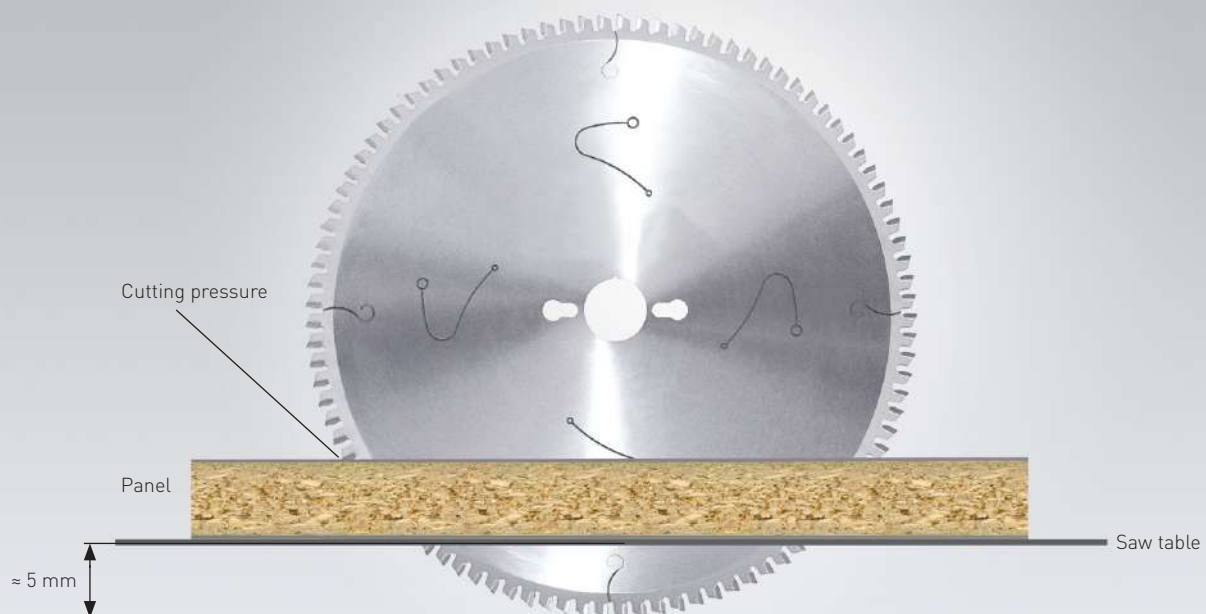


Panel-sizing · Hollow tooth · Inverted V-flat tooth negative

11 1602

Art.						
11 1602 216 010	• 216	2.8/1.8	30	48 HDF-N	2-7-42	-
11 1602 220 010	• 220	3.2/2.2	30	42 HDF-N	2-7-42	-
11 1602 250 010	• 250	3.2/2.2	30	48 HDF-N	UNI	✓
11 1602 303 010	• 303	3.2/2.2	30	60 HDF-N	UNI	✓
11 1602 303 020	• 303	3.2/2.2	30	72 HDF-N	UNI	✓
11 1602 350 010	• 350	3.5/2.5	30	72 HDF-N	UNI	✓

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

Working with spindle **over** the panel

Due to the negative cutting angle acts the cutting pressure above the panel into the stable saw table.

1

2

3

4

5

6

7

8

9

10

i

11

Index

1



2



3



4



5



6



7



8



9



10

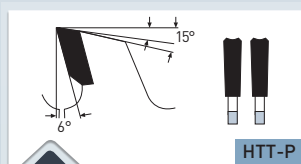


11



11 1604

Panel-sizing · Hollow tooth · Triple-chip / Triple-chip positive



> Hollow tooth triple-chip / triple-chip positive

MACHINE

Panel-sizing machines for example from STRIEBIG, HOLZ-HER. Circular bench saws for example from ALTENDORF, MARTIN. Sizing machines, portable machines.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

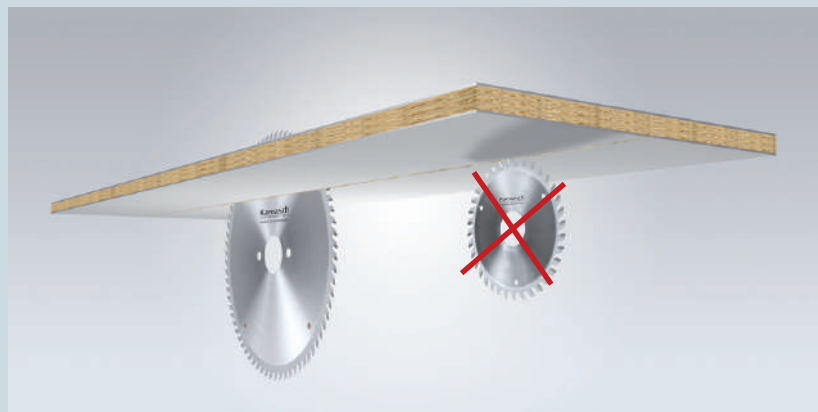
For panel sizing two-sided coated chipboards (polyester, thermoplastic) wooden panel material laminated such as chipboards, fibre boards. Covered furniture boards (veneer, plastic). Thermoplastics.

Advantages of the triple-chip / triple-chip tooth:

- Each tooth evenly in engagement results in longer life and cutting quality than inverted V / Flat hollow tooth.
- Because of thin-cut blades less waste.
- Excellent for clean cutting edges in hard surfaces that splinter / break out easily.
- Good also for cutting hard thermoplastics such as PMMA (acrylic glass), PA, PE, PS, POM etc. up to 10 mm.

Good up to very good cutting quality of the lower edge even without scoring blade. For very good cutting quality of the lower edge even without scoring blade see article 11 1320, page 1165

Scorer not required

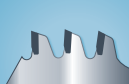


Movie



Panel-sizing · Hollow tooth · Triple-chip / Triple-chip positive

11 1604

Art.						
11 1604 220 010	• 220	2.9/2.0	30	48 HTT-P	2-7-42	-
11 1604 250 010	• 250	2.9/2.0	30	60 HTT-P	UNI	✓
11 1604 303 010	• 303	2.9/2.0	30	72 HTT-P	UNI	✓
11 1604 350 010	• 350	2.9/2.2	30	84 HTT-P	UNI	✓

UNI = 2-7-42 + 2-9-46,40 + 2-10-60

Working with spindle **under** the panel

Due to the positive cutting angle acts the cutting pressure above the panel into the stable saw table.

1

2

3

4

5

6

7

8

9

10

i

11

Index

1



11 1610

Panel-sizing · Alternate top bevel extreme 35° · Positive

2



3



4



5



6



7



8



9



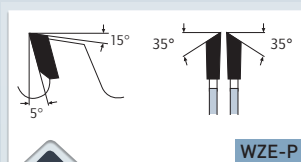
10



11



Index



> Alternate top bevel extreme 35° positive

MACHINE

Panel-sizing machines for example from STRIEBIG, HOLZ-HER. Circular bench saws for example from ALTENDORF, MARTIN. Sizing machines, portable machines.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

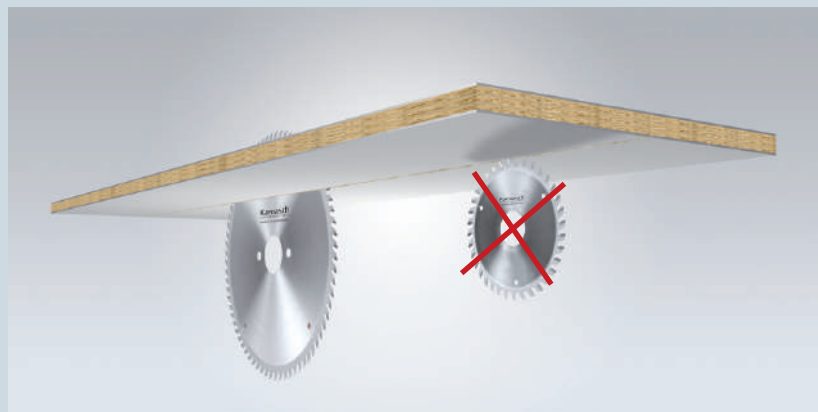
For very **smooth and tear free / splinter free** cutting in solid wood across the grain and profiles, ledges and door frames of wooden material in plastic coated / foil sheathed / veneered.

Tear-free / splinter free cutting of two-sided plastic coated (for example melamine faced) or veneered chipboards, hard fibre boards.

Excellent also for MDF, plywood, glued laminate, veneers and beading, plastic profiles, hard thermoplastics up to 30 mm.

Very good cutting quality of the lower edge even without scoring blade.

Further blades with good and very good cutting quality of the lower edge without scoring blade see article 11 1320, page 1165



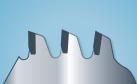
Scorer not required

Movie



Panel-sizing · Alternate top bevel extreme 35° · Positive

11 1610

Art.						
11 1610 160 010	% 160	2.8/1.8	20/16	54 WZE-P	2-6-32	-
11 1610 190 010	% 190	2.8/1.8	30	60 WZE-P	2-7-42	-
11 1610 200 010	% 200	2.8/1.8	30	64 WZE-P	2-7-42	-
11 1610 210 010	% 210	2.8/1.8	30	64 WZE-P	2-7-42	-
11 1610 220 010	% 220	3.2/2.2	30	68 WZE-P	2-7-42	-
11 1610 230 010	% 230/235 ●	2.8/1.8	30	68 WZE-P	2-7-42	-
11 1610 250 010	● 250	3.2/2.2	30	80 WZE-P	UNI	✓
11 1610 300 010	● 300	3.2/2.2	30	96 WZE-P	UNI	✓
11 1610 303 010	● 303	3.2/2.2	30	96 WZE-P	UNI	✓
11 1610 350 010	● 350	3.5/2.2	30	108 WZE-P	UNI	✓
11 1610 400 010	● 400	3.5/2.5	30	120 WZE-P	UNI	✓
11 1610 450 010	● 450	3.5/2.5	30	132 WZE-P	UNI	✓
11 1610 500 010	● 500	3.8/2.8	30	144 WZE-P	UNI	✓

● Sale item. While stocks last.

UNI = 2-7-42 + 2-9-46.40 + 2-10-60 ● Manufactured 232.50 mm

Working with spindle **under** the panel



Due to the positive cutting angle acts the cutting pressure above the panel into the stable saw table.

1

2

3

4

5

6

7

8

9

10

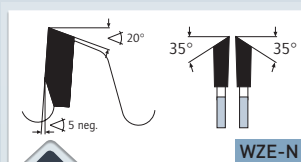
i

11

Index

11 1615

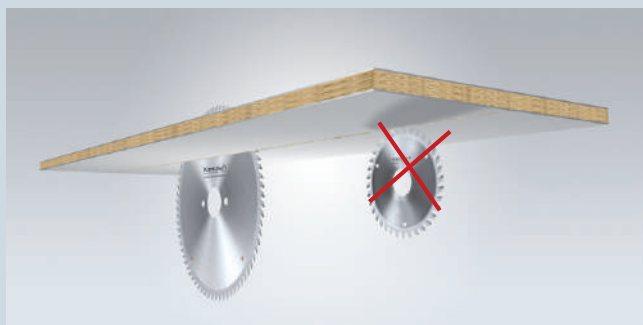
Panel-sizing · Alternate top bevel extreme 35° · Negative



> Alternate top bevel extreme 35° negative

MACHINE

Panel-sizing machines in particular also for vertical panel-sizing machines for example from STRIEBIG, HOLZ-HER. Circular bench saws for example from ALTENDORF, MARTIN. Chop- and mitre saws, sizing machines.



Scorer not required

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

For very **smooth and tear free / splinter free** cutting in solid wood across the grain and profiles, ledges and door frames of wooden material in plastic coated / foil sheathed / veneered.

Tear-free / splinter free cutting of two-sided plastic coated (for example melamine faced) or veneered chipboards, hard fibre boards. Excellent also for MDF, plywood, glued laminate, veneers and beading, plastic profiles, hard thermoplastics up to 30 mm.

Advantages of the negative tooth shape:

- Due to the negative tooth shape easy guiding by hand (manual feed).
- The blade is not pulled into the material to be cut.
- Therefore excellent for chop- and mitre saws, vertical panel-sizing machines.
- Compact and thus more stable and shatter-insensitive.

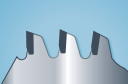
Very good cutting quality of the lower edge even without scoring blade. Further blades with good and very good cutting quality of the lower edge without scoring blade see article 11 1320, page 1165

Movie



Panel-sizing · Alternate top bevel extreme 35° · Negative

11 1615

Art.						
11 1615 216 010	% 216	2.8/1.8	30	64 WZE-N	2-7-42	-
11 1615 220 010	% 220	3.2/2.2	30	68 WZE-N	2-7-42	-
11 1615 250 010	• 250	3.2/2.2	30	80 WZE-N	UNI	✓
11 1615 303 010	• 303	3.2/2.2	30	96 WZE-N	UNI	✓
11 1615 350 010	• 350	3.5/2.5	30	108 WZE-N	UNI	✓
11 1615 355 010	% 355	3.5/2.5	30	100 WZE-N	2-10-60	✓

% Sale item. While stocks last.
UNI = 2-7-42 + 2-9-46.40 + 2-10-60

Working with spindle **over** the panel

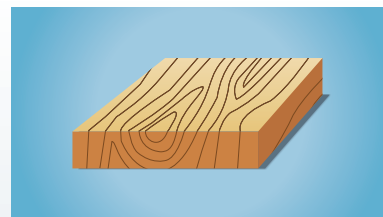


Due to the negative cutting angle acts the cutting pressure above the panel into the stable saw table.

- 1 
- 2 
- 3 
- 4 
- 5 
- 6 
- 7 
- 8 
- 9 
- 10 
- 11 

Index

Solid wood



Recommended cutting values

Material Group	Material examples	Vc (m/s) Cutting speed	fz (mm/z) Feed per tooth
Soft wood	Spruce, Pine, Poplar, Balsa	60-100	0.5 - 3.0 Longitudinal cut
			0.2 - 0.4 cut crosswise
Hard wood, exotic wood	Oak, Beech, Bankirai, Teak	60-100	0.3 - 1.0 Longitudinal cut
			0.05 - 0.15 cut crosswise

Revolution per minute n (rpm)

	1500	2000	2500	2850	3000	4000	4500	5000	5600	6000	8000	9000	10000	12000	18000
80 Ø	6.5	8.5	10.5	12	13	17	19	21	23.5	26	34	38	42	52	76
90 Ø	7	9.5	12	13.5	14	19	21	24	26.5	28	38	42	48	56	84
100 Ø	8	10.5	13	15	16	21	24	26	29	32	42	48	52	54	96
120 Ø	9.5	13	16	18	19	26	28	32	35	38	52	56	64	76	112
125 Ø	10	13.5	16.5	18.5	19.5	27	29	33	36.5	39	54	59	66	78	118
140 Ø	11	15	18	21	22	30	33	36	41	44	60	66	72	88	132
150 Ø	12	15.5	19.5	22.5	23.5	31.5	33.5	39	44	47	63	70.5	78.5	94.5	141.5
160 Ø	13	17	21	24	26	34	38	42	47	52	68	76	84	104	152
180 Ø	14	19	24	27	28	38	42.5	48	53	56	76	85	96	118	170
200 Ø	16	21	26	30	32	42	47	52	58.5	64	84	94	104	128	188
225 Ø	18	24	30	33.5	36	48	58	60	66	72	96	106	120	144	212
250 Ø	20	26	33	37	40	52	59	66	73.5	80	104	118	132	160	236
300 Ø	24	31.5	40	45	48	63	71	80	88	96	126	142	160	192	284
350 Ø	28	36.5	47	52	56	73	88	94	105	112	146	166	188	224	332
400 Ø	32	42	54	60	64	84	94	108	117	128	168	188	216	256	376
450 Ø	35.5	47	59	67.5	70.5	94.5	106	118	132	141.6	188	211	236	283	424
500 Ø	40	53	67	74.5	80	106	118	134	146.5	160	212	236	268	320	472

Cutting speed in m/s

① Solid wood

② Safety limits

Determination of cutting speed Vc

$$Vc (m/s) = \frac{D \cdot \pi \cdot n}{60 \cdot 1000}$$

Determination of feed rate Vf

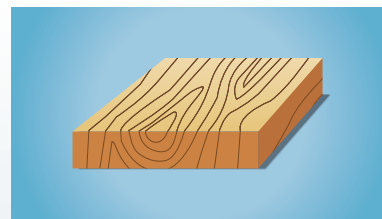
$$Vf (m/min) = \frac{fz \cdot n \cdot Z}{1000}$$

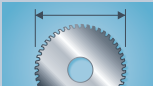
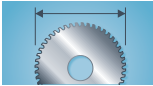
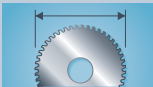
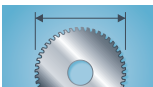
Determination of revolution speed n

$$n (min^{-1}) = \frac{Vc \cdot 1000 \cdot 60}{D \cdot \pi}$$

Vc (m/s) = Cutting speed
Vf (m/min) = Feed rate
fz (mm/z) = Feed per tooth
D (mm) = Saw blade diameter
n (min⁻¹) = rpm
Z = Number of teeth

Solid wood



Art. Ø mm	Type	Application	
11 1200 Ø mm 250-800 	Rip saw blade · Alternate bevel tooth with chip limiter BEST SELLER	For ripping and cross cutting in soft and hard wood, as well as for cutting firewood, construction wood, plywood boards, raw chipboards.	1190
11 1215 Ø mm 150-500 	Rip saw blade · Alternate top bevel tooth	For ripping and cross cutting in soft and hard wood, as well as for cutting firewood, construction wood, plywood boards, raw chipboards. In general for solid wood also wet.	1191
11 1220 Ø mm 250-400 	Rip saw blade · Flat tooth with chip limiter	For rough and quick cuts in soft and medium hard wood, as well as in natural wood line that is used in joiner's workshops and carpentry businesses.	1192
11 1230 Ø mm 250-500 	Rip saw blade · Deep-cut	The ideal and inexpensive blade for reaching greater cutting depths thanks to the enlarged projection of the tooth. For rough, quick and deep cuts in soft and medium hard wood.	1193

1



2



3



4



5



6



7



8



9



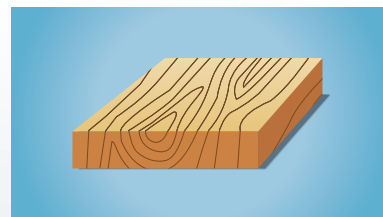
10

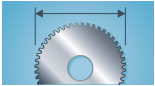
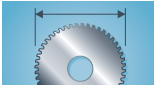


11

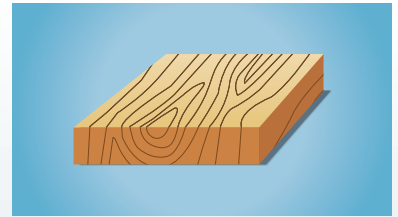


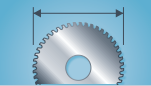
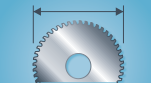
Solid wood



Art. Ø mm	Type	Application	
11 1232 Ø mm 250-500 	Rip/multi-rip saw blades with raker teeth + chip limiter	For longitudinal and cross cuts in soft to hard solid wood. Dry to natural moisture. Also ideal for deep cuts thanks to 3/4 × raker teeth. Flat tooth is preferable for longitudinal cuts.	1194
11 1235 Ø mm 300-500 	Rip/multi-rip saw blades with raker teeth	For longitudinal and cross cuts in soft to hard solid wood. Dry to natural moisture. Also ideal for deep cuts thanks to 3/4 × raker teeth.	1195
11 1238 Ø mm 250-450 	Multi-rip saw blades with raker teeth	For longitudinal cuts in solid wood soft to hard, naturally moist to wet.	1196
11 1239 Ø mm 250-400 	Multi-rip saw blades with raker teeth	For longitudinal cuts in solid wood soft to hard, naturally moist to wet.	1197

Solid wood



Art. Ø mm	Type	Application	
11 1300 Ø mm 150-800 	Solid wood Universal + Hundegger · Alternate top bevel tooth BEST SELLER	Good to very good cutting quality in all wooden materials, solid wood along and across the grain, panels and boards 1- and 2 sided plastic coated/veneered, strips and veneer, plastics.	1199
11 1320 Ø mm 200-500 	Solid wood Universal Plus · Alternate Top Bevel tooth + Axial-Angle	Excellent, tear-free/splinter-free finishing-cut quality in all wooden materials, solid wood across the grain, panels and boards 1- and 2 sided plastic/veneer coated, strips, veneer, foils, plastics (Thermoplastics)	1201
11 1425 Ø mm 120-500 	Solid wood Universal · Alternate Top Bevel tooth · Thin-cut BEST SELLER	Good to very good cutting quality in all wooden materials, solid wood along and across the grain, panels and boards 1- and 2 sided plastic coated/veneered, plastic profiles and boards. Due to thin-cut also ideal for battery machines and for cutting expensive precious wood, veneer, strips because of less waste/battery consumption.	1203
11 1450 Ø mm 210-600 	Chop- and mitre circular saws · Alternate Top Bevel tooth/negative	For cross cuts in soft and hard wood, wooden materials, glued wood, plywood, veneered or coated boards. Due to the negative tooth shape, that saw blade can be guided easier by hand and is not pulled into the material to be cut.	1205

1



2



3



4



5



6



7



8



9



10

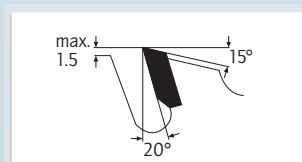
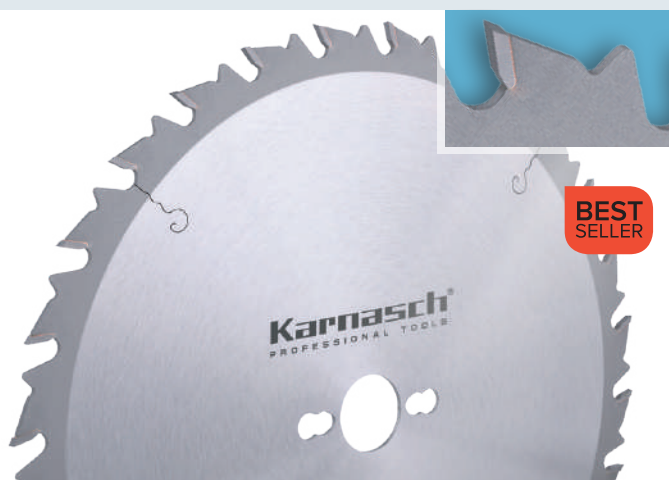


11

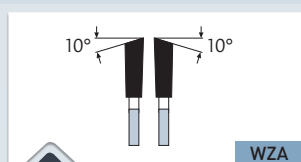


11 1200

Rip saw blade · Alternate top bevel tooth with chip limiter



> Alternate top bevel tooth with chip limiter



WZA

MACHINE

For bench saws, sliding table saws, rocker saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Soft wood, hard wood, and exotic wood along the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF

APPLICATION

For ripping and cross cutting in soft and hard wood, as well as for cutting firewood, construction wood, plywood boards, raw chipboard. Also suitable for making cuts in wooden panels (also with veneer or plastic coating on one side).

Bestseller – price reduced

Art.					
11 1200 250 010	• 250	3.2/2.2	30	24 WZA	UNI
11 1200 280 010	• 280	3.2/2.2	30	28 WZA	UNI
11 1200 300 010	• 300	3.2/2.2	30	28 WZA	UNI
11 1200 315 010	• 315	3.2/2.2	30	28 WZA	UNI
11 1200 350 010	• 350	3.5/2.5	30	24 WZA	UNI
11 1200 350 020	• 350	3.5/2.5	30	32 WZA	UNI
11 1200 400 010	• 400	3.5/2.5	30	28 WZA	UNI
11 1200 400 020	• 400	3.5/2.5	30	36 WZA	UNI
11 1200 450 010	• 450	4.2/2.8	30	32 WZA	UNI
11 1200 450 020	• 450	4.2/2.8	30	40 WZA	UNI
11 1200 500 010	• 500	4.4/2.8	30	36 WZA	UNI
11 1200 500 020	• 500	4.4/2.8	30	44 WZA	UNI
11 1200 550 010	• 550	4.4/3.0	30	48 WZA	UNI
11 1200 600 010	• 600	4.4/3.0	30	40 WZA	UNI
11 1200 600 020	• 600	4.4/3.0	30	54 WZA	UNI
11 1200 700 010	• 700	4.4/3.2	30	46 WZA	UNI
11 1200 700 020	• 700	4.4/3.2	30	60 WZA	UNI

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

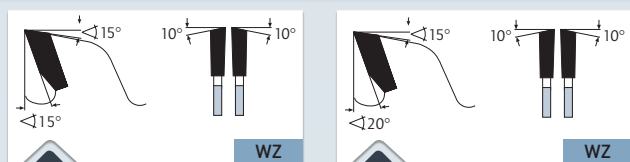
Blades for deep cuts see item 11 1215 page 1191, item 11 1220 page 1192, item 11 1235 page 1195, item 11 1230 page 1193 and item 11 1232 page 1194

Movie



Rip saw blade · Alternate top bevel tooth

11 1215



> Ø 150-230 mm Alternate top bevel

> Ø 250-500 mm Alternate top bevel

MACHINE

For bench saws, sizing saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Soft wood, hard wood, and exotic wood along the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF

APPLICATION

For ripping and cross cutting in soft and hard wood, as well as for cutting firewood, construction wood, plywood boards, raw chipboard. Also suitable for making cuts in wooden panels (also with veneer or plastic coating on one side). **In general for solid wood. Also Wet.**

Art.					
11 1215 150 010	• 150	3.2/2.2	30	24 WZ	UNI
-	• 160-170			See Art. 11 1400, page 1207	
11 1215 180 010	• 180	3.2/2.2	30	30 WZ	UNI
-	• 190			See Art. 11 1400, page 1207	
11 1215 200 010	• 200	3.2/2.2	30	36 WZ	UNI
-	• 210-225			See Art. 11 1400, page 1207	
11 1215 230 010	• 230	3.2/2.2	30	24 WZ	UNI
-	• 240			See Art. 11 1400, page 1208	
11 1215 250 010	• 250	3.2/2.2	30	24 WZ	UNI
11 1215 250 020	• 250	3.2/2.2	30	30 WZ	UNI
11 1215 255 010	• 255	3.2/2.2	30	24 WZ	UNI
-	• 260-280			See Art. 11 1400, page 1208	
11 1215 300 010	• 300	3.2/2.2	30	24 WZ	UNI
11 1215 300 020	• 300	3.2/2.2	30	36 WZ	UNI
11 1215 315 010	• 315	3.2/2.2	30	24 WZ	UNI
11 1215 315 020	• 315	3.2/2.2	30	36 WZ	UNI
-	• 320-335			See Art. 11 1400, page 1208	
11 1215 350 010	• 350	3.5/2.5	30	24 WZ	UNI
11 1215 350 020	• 350	3.5/2.5	30	32 WZ	UNI
11 1215 350 040	• 350	3.5/2.5	30	42 WZ	UNI
-	• 355			See Art. 11 1400, page 1208	
11 1215 370 010	• 370	4.2/2.5	30	26 WZ	UNI
11 1215 400 010	• 400	3.5/2.5	30	28 WZ	UNI
11 1215 400 020	• 400	3.5/2.5	30	36 WZ	UNI
11 1215 400 030	• 400	3.5/2.5	30	48 WZ	UNI
11 1215 410 010	• 410	4.2/2.5	30	28 WZ	UNI
11 1215 450 010	• 450	4.2/2.8	30	40 WZ	UNI
11 1215 500 010	• 500	4.2/2.8	30	44 WZ	UNI

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

Blades with more teeth, see item 11 1300 page 1199

Blades for deep cuts see item 11 1230 page 1193, or item 11 1232 page 1194

Movie



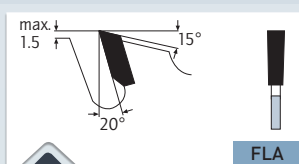
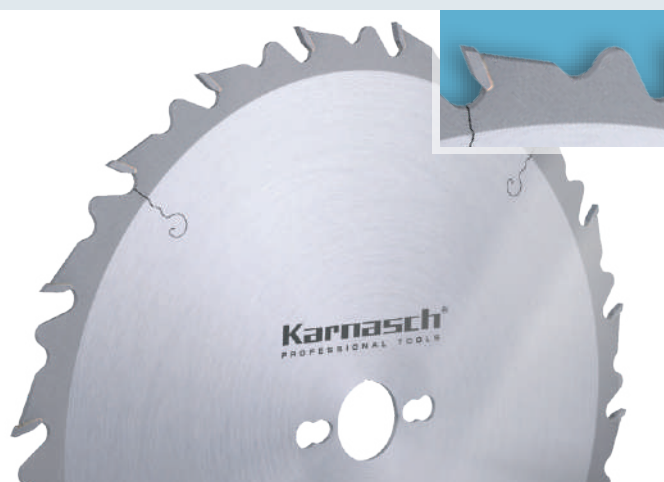
1191



Index

11 1220

Rip saw blade - Flat tooth with chip limiter



> Flat tooth with chip limiter

MACHINE

For bench saws, sizing saws

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood along the grain
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF

APPLICATION

For rough and quick cuts in soft and medium hard wood, as well as in natural wood, like that used in joiner's workshops and carpentry businesses. Particularly suitable for longitudinal cuts. (Cross cuts are also possible).

Art.					
11 1220 250 010	• 250	3.2/2.2	30	12 FLA	UNI
11 1220 300 010	• 300	3.2/2.2	30	14 FLA	UNI
11 1220 300 020	• 300	3.2/2.2	30	20 FLA	UNI
11 1220 350 010	• 350	3.5/2.5	30	16 FLA	UNI
11 1220 350 020	• 350	3.5/2.5	30	24 FLA	UNI
11 1220 400 010	• 400	3.5/2.5	30	18 FLA	UNI
11 1220 400 020	• 400	3.5/2.5	30	28 FLA	UNI

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

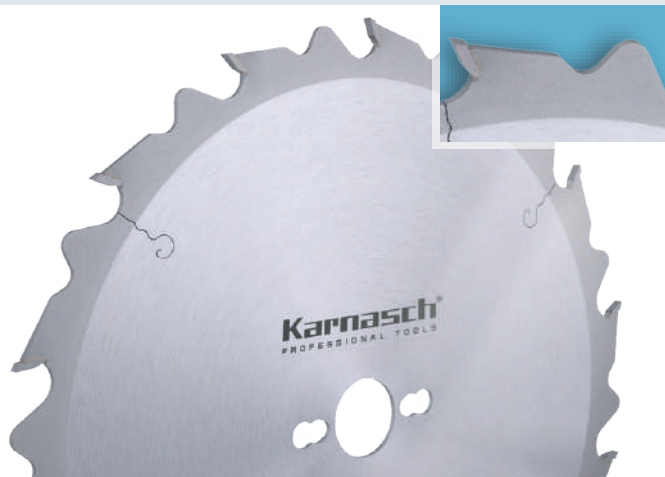
For more cutting and sizing coarse blades, see item 11 1200 page 1190, item 11 1215 page 1191, item 11 1230 page 1193, item 11 1232 page 1194, item 11 1235 page 1195

Movie



Rip saw blade · Deep-cut

11 1230

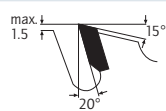


✓ OPTIMAL

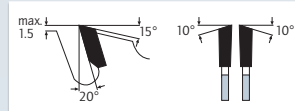
✓ GOOD

✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood along the grain
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF



FLA



WZA

> Flat tooth with chip limiter

> Alternate top bevel with chip limiter

APPLICATION

The ideal and inexpensive blade for reaching greater cutting depths thanks to the enlarged projection of the tooth. For rough, quick and deep cuts in soft and medium hard wood. Dry to natural moisture. Flat tooth (FLA) design preferably for cuts along the grain.

MACHINE

For bench saws, sizing saws

Art.					
11 1230 250 010	• 250	3.6/2.2	30	12 FLA	UNI
11 1230 250 020	• 250	3.6/2.2	30	16 WZA	UNI
11 1230 300 010	• 300	3.8/2.2	30	14 FLA	UNI
11 1230 300 020	• 300	3.8/2.2	30	18 WZA	UNI
11 1230 350 010	• 350	4.2/2.5	30	16 FLA	UNI
11 1230 350 020	• 350	4.2/2.5	30	20 WZA	UNI
11 1230 400 010	• 400	4.4/2.8	30	18 FLA	UNI
11 1230 400 020	• 400	4.4/2.8	30	24 WZA	UNI
11 1230 450 010	• 450	4.5/2.8	30	20 FLA	UNI
11 1230 450 020	• 450	4.5/2.8	30	28 WZA	UNI
11 1230 500 010	• 500	4.5/2.8	30	24 FLA	UNI
11 1230 500 020	• 500	4.5/2.8	30	32 WZA	UNI

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

For more cutting and sizing coarse blades, see item 11 1200 page 1190, item 11 1215 page 1191, item 11 1220 page 1192, item 11 1232 page 1194, item 11 1235 page 1195

Movie



1193



Index

1



2



3



4



5



6



7



8



9



10



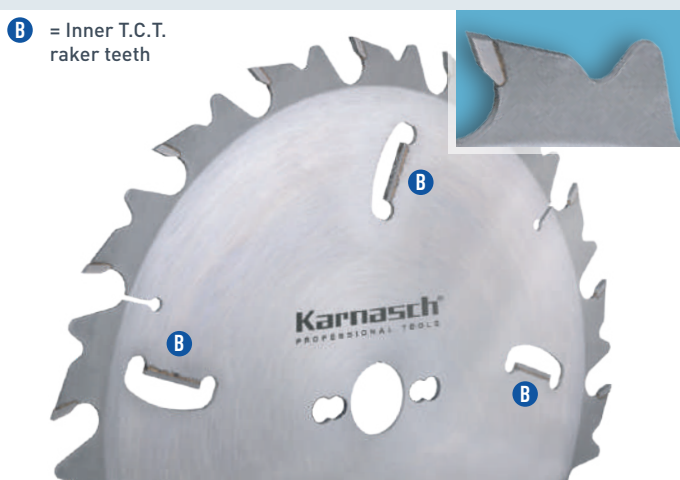
11



11 1232

Rip/multi-rip saw blade with raker teeth + chip limiter

B = Inner T.C.T. raker teeth



✓ OPTIMAL

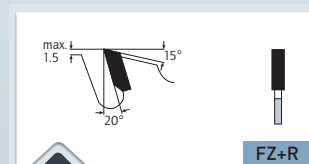
✓ GOOD

✓ POSSIBLE

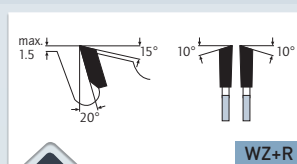
✓		Soft wood, hard wood, and exotic wood along the grain
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF

APPLICATION

For longitudinal and cross cuts in soft to hard solid wood. Dry to natural moisture. Also ideal for deep cuts thanks to 3/4 x raker teeth. Flat tooth is preferable for longitudinal cuts.



> Flat tooth with chip thickness limiter + raker teeth



> Alternate tooth with chip thickness limiter + raker teeth

MACHINE

For sizing saws, bench saws, Carpentry portable circular saws, seamers, multi-rip, joining saws. Manual or automatic feed.

Art.							MAXIMUM FLANGE Ø	MAXIMUM DEPTH OF CUT
11 1232 250 010	• 250	3.2/2.2	30	18 FZ+R	3x B	UNI	100 mm	60 mm
11 1232 300 010	• 300	3.2/2.2	30	18 FZ+R	3x B	UNI	130 mm	75 mm
11 1232 300 020	• 300	3.6/2.5	30	18 WZ+R	4x B	UNI	105 mm	75 mm
11 1232 350 010	• 350	3.6/2.5	30	20 FZ+R	4x B	UNI	120 mm	100 mm
11 1232 350 020	• 350	3.6/2.5	30	24 WZ+R	4x B	UNI	120 mm	100 mm
11 1232 400 010	• 400	4.0/2.8	30	24 FZ+R	4x B	UNI	120 mm	120 mm
11 1232 400 020	• 400	4.0/2.8	30	28 WZ+R	4x B	UNI	120 mm	120 mm
11 1232 450 010	• 450	4.2/2.8	30	28 FZ+R	4x B	UNI	160 mm	140 mm
11 1232 450 020	• 450	4.0/2.8	30	36 WZ+R	4x B	UNI	160 mm	140 mm
11 1232 500 010	• 500	4.4/3.2	30	32 FZ+R	4x B	UNI	180 mm	155 mm

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

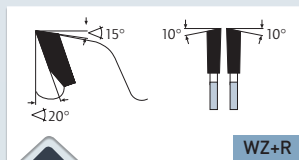
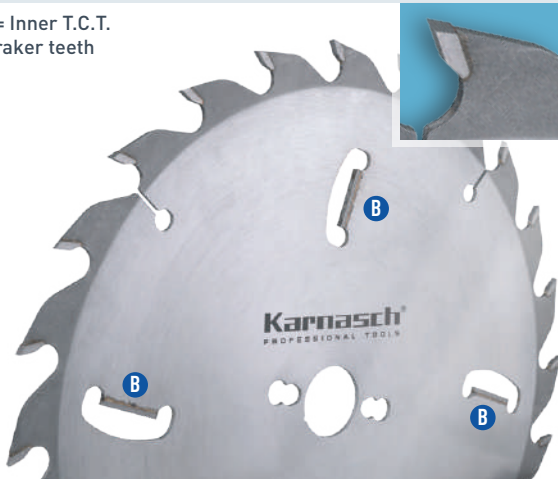
Other dimensions are available on request

Movie



Rip/multi-rip saw blade with raker teeth

11 1235

B = Inner T.C.T.
raker teeth

> Alternate tooth + raker teeth

✓ OPTIMAL

✓ GOOD

✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood along the grain
✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF

APPLICATION

For longitudinal and cross cuts in soft to hard solid wood. Dry to natural moisture. Also ideal for deep cuts thanks to 3/4 × raker teeth.

MACHINE

For sizing saws, bench saws, Carpentry portable circular saws, seamers, multi-rip, joining saws. Manual or automatic feed.

Art.							MAXIMUM FLANGE Ø	MAXIMUM DEPTH OF CUT
11 1235 300 010	• 300	3.4/2.2	30	24 WZ+R	4× B	UNI	130 mm	60 mm
11 1235 350 010	• 350	3.6/2.5	30	32 WZ+R	4× B	UNI	105 mm	100 mm
11 1235 400 010	• 400	4.0/2.8	30	36 WZ+R	4× B	UNI	120 mm	120 mm
11 1235 450 010	• 450	4.2/2.8	30	40 WZ+R	4× B	UNI	170 mm	140 mm
11 1235 500 010	• 500	4.4/3.2	30	44 WZ+R	4× B	UNI	180 mm	155 mm

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

Other dimensions are available on request

Movie



1195

1



2



3



4



5



6



7



8



9



10



11

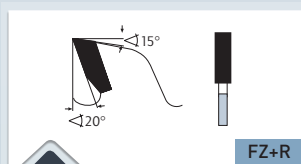


Index

11 1238

Multi-rip saw blades with raker teeth

- A** = Outer T.C.T raker teeth
B = Inner T.C.T raker teeth



> Flat tooth with raker teeth

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE



Soft wood, hard wood, and exotic wood along the grain

APPLICATION

For longitudinal cuts in solid wood soft to hard, naturally moist to wet.

MACHINE

Single- or double-shaft multi-blade circular saw, trimming circular saw

Art.						MAXIMUM FLANGE Ø	MAXIMUM DEPTH OF CUT
11 1238 250 010	% 250	3.2/2.2	Ø=70 / 1=13x5 / 2=20x6.5	16 FZ+R	2x A + 2x B	105 mm	65 mm
11 1238 250 020	% 250	3.2/2.2	Ø=80 / 1=14x5 / 2=22x6.5	16 FZ+R	2x A + 2x B	105 mm	65 mm
11 1238 315 010	% 315	3.2/2.2	Ø=70 / 1=13x5 / 2=20x6.5	18 FZ+R	2x A + 2x B	120 mm	90 mm
11 1238 450 010	% 450	4.4/3.2	Ø=70 / 1=13x5 / 2=20x6.5	28 FZ+R	2x A + 2x B	160 mm	140 mm

2-7-42 + 2-9-46.40 + 2-10-60

% Sale item. While stocks last.

Other dimensions are available on request

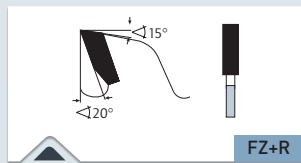
Movie



Multi-rip saw blades with raker teeth

11 1239

- A** = Outer T.C.T raker teeth
B = Inner T.C.T raker teeth



> Flat tooth with raker teeth

✓ OPTIMAL

✓ GOOD

✓ POSSIBLE



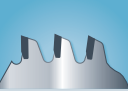
Soft wood, hard wood, and exotic wood along the grain

APPLICATION

For longitudinal cuts in solid wood soft to hard, naturally moist to wet.

MACHINE

Single- or double-shaft multi-blade circular saw, trimming circular saw

Art.						MAXIMUM FLANGE Ø	MAXIMUM DEPTH OF CUT
11 1239 250 010	% 250	3.6/2.5	Ø=70 / 1=13x5 / 2=20x6.5	16 FZ+R	2x A	130 mm	50 mm
11 1239 250 020	% 250	3.6/2.5	Ø=80 / 1=14x5 / 2=22x6.5	16 FZ+R	2x A	130 mm	50 mm
11 1239 300 020	% 300	4.0/2.8	Ø=80 / 1=14x5 / 2=22x6.5	18 FZ+R	2x A	130 mm	70 mm
11 1239 400 010	% 400	4.0/2.8	Ø=70 / 1=13x5 / 2=20x6.5	24 FZ+R	2x A	185 mm	110 mm
11 1239 400 020	% 400	4.0/2.8	Ø=80 / 1=14x5 / 2=22x6.5	24 FZ+R	2x A	185 mm	110 mm

% Sale item. While stocks last.

Other dimensions are available on request

Movie



1197

1



2



3



4



5



6



7



8



9



10



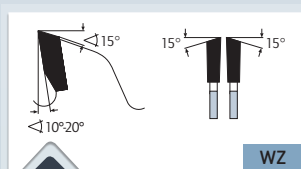
11



Index

11 1300

Solid wood universal + Hundegger · Alternate top bevel tooth



> Alternate top bevel

MACHINE

For bench and panel sizing saws, cross cut saws, Hundegger trimming machines.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Soft wood, hard wood, and exotic wood along the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material

APPLICATION

Lower number of teeth: Good cutting quality in all wooden materials, solid wood across and along the grain, panels and boards one-sided plastic coated/veneered, paper-based laminate, thicker plastic boards/profiles (thermoplastics).

Higher number of teeth: Very good cutting quality in all wooden materials, solid wood across and along the grain, panels and boards two-sided plastic coated/veneered (if applicable with scorer), paper-based laminate, strips and veneer, plastics (thermoplastics, duroplastics)

For excellent cutting in all wooden materials, solid wood an panels/boards two-sided plastic coated/veneered (also without using scorer) see art. 11 1320 page 1165.

Also excellent smooth and tear free/splinter free cutting surface for a attractive price see article 11 1610 on page 1182.

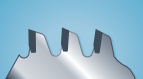
Movie



Solid wood universal + Hundegger · Alternate top bevel tooth

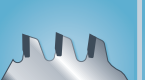
11 1300

Bestseller – price reduced

Art.							
11 1300 150 010	% 150	3.2/2.2	30	36 WZ	10	UNI	-
11 1300 230 010	• 230	3.2/2.2	30	48 WZ	15	UNI	-
11 1300 250 010	• 250	3.2/2.2	30	40 WZ	15	UNI	✓
11 1300 250 020	• 250	3.2/2.2	30	48 WZ	15	UNI	✓
11 1300 250 030	• 250	3.2/2.2	30	60 WZ	10	UNI	✓
11 1300 250 040	• 250	3.2/2.2	30	80 WZ	10	UNI	✓
11 1300 300 010	• 300	3.2/2.2	30	48 WZ	15	UNI	✓
11 1300 300 020	• 300	3.2/2.2	30	60 WZ	15	UNI	✓
11 1300 300 030	• 300	3.2/2.2	30	72 WZ	10	UNI	✓
11 1300 300 040	• 300	3.2/2.2	30	96 WZ	10	UNI	✓
11 1300 305 010	• 305	3.2/2.2	30	48 WZ	15	UNI	✓
11 1300 305 020	• 305	3.2/2.2	30	60 WZ	15	UNI	✓
11 1300 305 030	• 305	3.2/2.2	30	72 WZ	10	UNI	✓
11 1300 315 010	• 315	3.2/2.2	30	48 WZ	15	UNI	✓
11 1300 315 020	• 315	3.2/2.2	30	60 WZ	15	UNI	✓
11 1300 315 030	• 315	3.2/2.2	30	72 WZ	10	UNI	✓
11 1300 315 040	• 315	3.2/2.2	30	96 WZ	10	UNI	✓
11 1300 350 010	• 350	3.5/2.5	30	54 WZ	15	UNI	✓
11 1300 350 020	• 350	3.5/2.5	30	72 WZ	15	UNI	✓
11 1300 350 030	• 350	3.5/2.5	30	84 WZ	10	UNI	✓
11 1300 350 040	• 350	3.5/2.5	30	108 WZ	10	UNI	✓
11 1300 370 010	• 370	4.2/2.5	30	60 WZ	15	UNI	✓
11 1300 400 010	• 400	3.5/2.5	30	60 WZ	15	UNI	✓
11 1300 400 020	• 400	3.5/2.5	30	84 WZ	15	UNI	✓
11 1300 400 030	• 400	3.5/2.5	30	96 WZ	10	UNI	✓
11 1300 400 040	• 400	3.5/2.5	30	120 WZ	10	UNI	✓
11 1300 450 010	• 450	4.0/2.8	30	66 WZ	15	UNI	✓
11 1300 450 020	• 450	4.0/2.8	30	84 WZ	15	UNI	✓
11 1300 450 030	• 450	4.0/2.8	30	108 WZ	10	UNI	✓
11 1300 450 040	• 450	4.0/2.8	30	132 WZ	10	UNI	✓
11 1300 500 010	• 500	4.0/2.8	30	60 WZ	20	UNI+2-10-80	✓
11 1300 500 020	• 500	4.0/2.8	30	72 WZ	15	UNI+2-10-80	✓
11 1300 500 030	• 500	4.0/2.8	30	96 WZ	15	UNI+2-10-80	✓
11 1300 500 050	• 500	4.0/2.8	30	144 WZ	10	UNI+2-10-80	✓

• Sale item. While stocks last.

SPECIAL SELECTION HUNDEGGER

Art.	Machine							
11 1300 550 010	Automatic cutting machine Turbo-Drive	% 550	6.0/4.4	30	60 WZ	15	8-8.5-120 Sunken 2-13-240 Staggered 22.5°	✓
11 1300 600 010		○ 600	4.8/3.4	30	48 WZ	15	2-8.5-90+2-10-80+2-15-63	✓
11 1300 650 010		○ 650	5.8/4.0	30	36 WZ	15	2-8.5-90+2-10-80+2-15-63	✓
11 1300 650 030		○ 650	5.6/4.0	30	96 WZ	12	2-8.5-90+2-10-80+2-15-63	✓
11 1300 720 010	Automatic cutting machine SC-3	○ 720	6.0/4.4	30	72 WZ	15	8-8.5-120 Sunken 4-8.1-90 Staggered 2-14-400 Staggered	✓
11 1300 720 020		○ 720	6.0/4.4	30	48 WZ	15	4-8.5-90+2-15-415	✓
11 1300 735 010		○ 735	6.0/4.4	30	72 WZ	15	4-8.5-90+2-15-415	✓
11 1300 760 010		○ 760	6.0/4.4	30	72 WZ	15	4-8.5-90+2-15-415	✓
11 1300 800 010	Joinery machine Robot-Drive	○ 800	6.0/4.4	30	72 WZ	15	8-8.5-160 Sunken 4-8.1-90 Staggered 2-14-400 Staggered	✓
11 1300 800 020		○ 800	6.0/4.4	30	80 WZ	12	4-8.5-90+2-15-415	✓

• Special price / sale article. While stocks last.

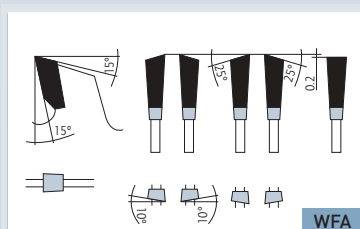
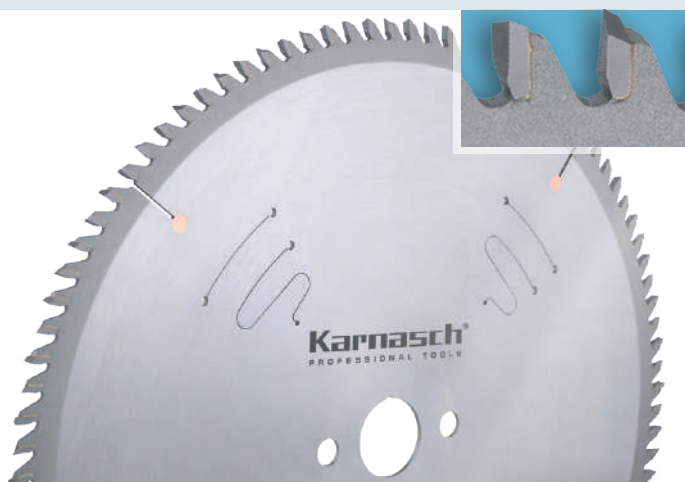
Other sizes Hundegger available at short notice on request

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

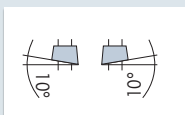


11 1320

Solid wood universal plus · Alternate to bevel tooth + axial-angle



> Alternate top bevel / flat tooth with axial angle



MACHINE

Vertical panel sizing saws, trimming saws, double mitre saws, mechanical chop saws, under frame mounted chop saws, machining centers with saw aggregate.

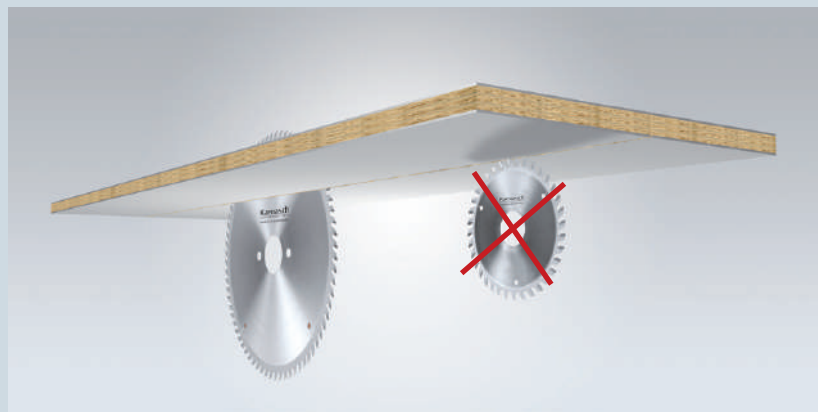
✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics

APPLICATION

Panel sizing/trimming of wood-based material in excellent finishing-cut quality. **Splinter-free** sawing of laminated wood-based material including material with very thick top layers, solid wood across the grain, plastic profiles, synthetically coated ledges, veneered or foil-sheathed door frames...

Scorer not required

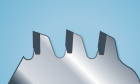


Movie



Solid wood universal plus · Alternate to bevel tooth + axial-angle

11 1320

Art.						
11 1320 200 010	• 200	3.0/2.2	30	60 WFA	2-6,2-42 + 4-6-52 + 4-6,6-60	-
11 1320 220 010	% 220	3.0/2.2	30	70 WFA	UNI	-
11 1320 250 010	• 250	3.0/2.2	30	80 WFA	UNI	✓
11 1320 303 010	• 303	3.0/2.2	30	100 WFA	UNI	✓
11 1320 350 010	• 350	3.0/2.2	30	100 WFA	UNI	✓
11 1320 400 010	• 400	3.0/2.2	30	120 WFA	UNI	✓
11 1320 450 010	• 450	3.6/2.8	30	130 WFA	UNI	✓
11 1320 500 010	• 500	3.6/2.8	30	140 WFA	UNI	✓

% Sale item. While stocks last.

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

Working with spindle **under** the panel

Due to the positive cutting angle acts the cutting pressure above the panel into the stable saw table.

1



2



3



4



5



6



7



8



9



10



11

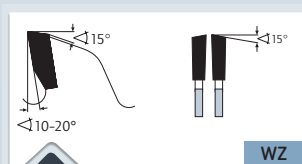
Index

11 1425

Solid wood universal · Alternate top bevel tooth · Thin-cut

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Profiled wood
✓		Veneers
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®



> Alternate top bevel

MACHINE

For portable circular saws, table- and sizing saws, panel sizing saws, cross-cut saws, cordless saws.

APPLICATION

Due to thin-cut also ideal for battery machines and for cutting expensive precious wood, veneer, strips because of less waste/battery consumption.

Low number of teeth: Coarse to medium cutting quality in all wooden materials, precious wood and solid wood across and along the grain, panel and boards one-side plastic coated/veneered, paper-based laminate, thicker plastic profiles and plates (Thermoplastics). High feed rate possible

Medium number of teeth: Good cutting quality in all wooden materials, precious wood, solid wood and strips across and along the grain, panel and boards one-side/two side plastic coated/veneered, paper-based laminate, veneer and veneer packages, plastic profiles/plates (Thermoplastics, Duroplastics)

High number of teeth: Very good cutting quality in all wooden materials, precious wood, solid wood and strips preferably across the grain, panel and boards two side plastic coated/veneered, paper-based laminate, veneer and veneer packages, plastic profiles/plates (Thermoplastics, Duroplastics)

Due to special carbide also excellent for cutting hard thermoplastics such as thin panels, hollow section boards made of PC (Polycarbonat), PMMA (Acrylic-glass/Plexiglass). See here also article 11 1430, page 1171

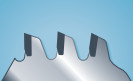
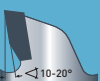
Movie



Solid wood universal · Alternate top bevel tooth · Thin-cut

11 1425

Bestseller – price reduced

Art.							
11 1425 120 010	• 120	1.8/1.2	20	12 WZ	20	-	-
11 1425 120 020	• 120	1.8/1.2	20	28 WZ	15	-	-
11 1425 120 030	• 120	1.8/1.2	20	44 WZ	10	-	-
11 1425 136 010	• 136	1.8/1.2	20/10	14 WZ	20	-	-
11 1425 136 020	• 136	1.8/1.2	20/10	30 WZ	15	-	-
11 1425 136 030	• 136	1.8/1.2	20/10	48 WZ	10	-	-
11 1425 160 010	• 160	1.8/1.2	20/16	16 WZ	20	2-6-32	-
11 1425 160 020	• 160	1.8/1.2	20/16	32 WZ	15	2-6-32	-
11 1425 160 030	• 160	1.8/1.2	20/16	54 WZ	10	2-6-32	-
11 1425 160 040	• 160	1.8/1.2	20/16	68 WZ	10	2-6-32	-
11 1425 165 010	• 165	1.8/1.2	20	16 WZ	20	2-6-32	-
11 1425 165 020	• 165	1.8/1.2	20	32 WZ	15	2-6-32	-
11 1425 165 030	• 165	1.8/1.2	20	54 WZ	10	2-6-32	-
11 1425 165 040	• 165	1.8/1.2	20	68 WZ	10	2-6-32	-
11 1425 180 010	• 180	1.8/1.2	20/16	18 WZ	20	2-6-32	-
11 1425 180 020	• 180	1.8/1.2	20/16	40 WZ	15	2-6-32	-
11 1425 180 030	• 180	1.8/1.2	20/16	60 WZ	10	2-6-32	-
11 1425 180 040	• 180	1.8/1.2	20/16	76 WZ	10	2-6-32	-
11 1425 190 010	• 190	1.8/1.2	30/20	18 WZ	20	2-7-42	-
11 1425 190 020	• 190	1.8/1.2	30/20	42 WZ	15	2-7-42	-
11 1425 190 030	• 190	1.8/1.2	30/20	60 WZ	10	2-7-42	-
11 1425 190 040	• 190	1.8/1.2	30/20	76 WZ	10	2-7-42	-
11 1425 200 010	• 200	2.0/1.4	30	18 WZ	20	2-7-42	-
11 1425 200 020	• 200	2.0/1.4	30	42 WZ	15	2-7-42	-
11 1425 200 030	• 200	2.0/1.4	30	64 WZ	10	2-7-42	-
11 1425 200 040	• 200	2.0/1.4	30	80 WZ	10	2-7-42	-
11 1425 210 010	• 210	2.0/1.4	30	20 WZ	20	2-7-42	-
11 1425 210 020	• 210	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 210 030	• 210	2.0/1.4	30	64 WZ	10	2-7-42	-
11 1425 210 040	• 210	2.0/1.4	30	80 WZ	10	-	-
11 1425 216 010	• 216	2.0/1.4	30	20 WZ	20	2-7-42	-
11 1425 216 020	• 216	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 216 030	• 216	2.0/1.4	30	64 WZ	10	2-7-42	-
11 1425 216 040	• 216	2.0/1.4	30	80 WZ	10	2-7-42	-
11 1425 220 010	• 220	2.0/1.4	30	48 WZ	20	2-7-42	-
11 1425 225 010	• 225	2.0/1.4	30	24 WZ	20	2-7-42	-
11 1425 225 020	• 225	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 225 030	• 225	2.0/1.4	30	68 WZ	10	2-7-42	-
11 1425 225 040	• 225	2.0/1.4	30	88 WZ	10	2-7-42	-
11 1425 230 010	• 230/235 ●	2.0/1.4	30	24 WZ	20	2-7-42	-
11 1425 230 020	• 230/235 ●	2.0/1.4	30	48 WZ	15	2-7-42	-
11 1425 230 030	• 230/235 ●	2.0/1.4	30	68 WZ	10	2-7-42	-
11 1425 230 040	• 230/235 ●	2.0/1.4	30	88 WZ	10	2-7-42	-
11 1425 250 010	• 250	2.2/1.6	30	30 WZ	20	UNI	✓
11 1425 250 020	• 250	2.2/1.6	30	56 WZ	15	UNI	✓
11 1425 250 030	• 250	2.2/1.6	30	80 WZ	10	UNI	✓
11 1425 250 040	• 250	2.2/1.6	30	100 WZ	10	UNI	✓
11 1425 260 010	• 260	2.2/1.6	30	30 WZ	20	UNI	✓
11 1425 260 020	• 260	2.2/1.6	30	56 WZ	15	UNI	✓
11 1425 260 030	• 260	2.2/1.6	30	80 WZ	10	UNI	✓
11 1425 270 010	• 270	2.2/1.6	30	30 WZ	20	UNI	✓
11 1425 270 020	• 270	2.2/1.6	30	56 WZ	15	UNI	✓
11 1425 270 030	• 270	2.2/1.6	30	80 WZ	10	UNI	✓
11 1425 300 010	• 300	2.2/1.6	30	36 WZ	20	UNI	✓
11 1425 300 020	• 300	2.2/1.6	30	60 WZ	15	UNI	✓
11 1425 300 030	• 300	2.2/1.6	30	96 WZ	10	UNI	✓
11 1425 300 040	• 300	2.2/1.6	30	120 WZ	10	UNI	✓
11 1425 350 010	• 350	2.4/1.8	30	42 WZ	20	UNI	✓
11 1425 350 020	• 350	2.4/1.8	30	72 WZ	15	UNI	✓
11 1425 350 030	• 350	2.4/1.8	30	108 WZ	10	UNI	✓
11 1425 350 040	• 350	2.4/1.8	30	140 WZ	10	UNI	✓
11 1425 400 010	• 400	2.8/2.2	30	60 WZ	15	UNI	✓
11 1425 400 020	• 400	2.8/2.2	30	96 WZ	10	UNI	✓
11 1425 400 030	• 400	2.8/2.2	30	120 WZ	10	UNI	✓
11 1425 450 010	• 450	3.1/2.5	30	66 WZ	15	UNI	✓
11 1425 450 020	• 450	3.1/2.5	30	108 WZ	10	UNI	✓
11 1425 450 030	• 450	3.1/2.5	30	130 WZ	10	UNI	✓
11 1425 500 010	• 500	3.4/2.8	30	72 WZ	15	UNI+2-10-80	✓
11 1425 500 020	• 500	3.4/2.8	30	120 WZ	10	UNI+2-10-80	✓
11 1425 500 030	• 500	3.4/2.8	30	144 WZ	10	UNI+2-10-80	✓

● Manufactured 232.50 mm · UNI = 2-7-42 + 2-9-46.40 + 2-10-60

1

2

3

4

5

6

7

8

9

10

11

Index

1



2



3



4



5



6



7



8



9



10

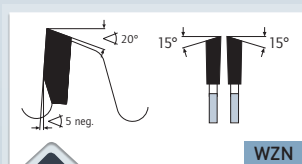


11



11 1450

Chop- and mitre circular saws alternate top bevel tooth/negative



> Alternate top bevel negative

MACHINE

Special selection for chop- and mitre saws, radial saws, pendulum saws, top clipping saws, table saws, trimming saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian [®] , Noblan [®] , Hi-Macs [®] , Staron [®] , Rausolid [®] , Varicor [®]
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa [®] , Resopal [®] , Duropal [®] , Formica [®] , Kronospan [®] , Decodur [®]
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material
✓		Profiled wood

APPLICATION

For cross cuts in soft and hard wood, wooden materials, glued wood, plywood, veneered or coated boards.

Due to special carbide also excellent for plastics such as: plastic laminated profiles, thin acrylic glass, duroplast profiles and strips (high number of teeth recommended).

Also for hard thermoplastics such as PA, PE, PS, POM, ABS.

Due to the negative tooth shape, that saw blade can be guided easier by hand and is not pulled into the material to be cut.

Movie



Chop- and mitre circular saws alternate top bevel tooth/negative

11 1450

Art.						
11 1450 210 010	• 210	2.8/1.8	30	24 WZN	2-7-42	-
11 1450 210 020	• 210	2.8/1.8	30	48 WZN	2-7-42	-
11 1450 210 030	• 210	2.8/1.8	30	80 WZN	2-7-42	-
11 1450 216 010	• 216	2.8/1.8	30	24 WZN	2-7-42	-
11 1450 216 020	• 216	2.8/1.8	30	48 WZN	2-7-42	-
11 1450 216 030	• 216	2.8/1.8	30	60 WZN	2-7-42	-
11 1450 216 040	• 216	2.8/1.8	30	80 WZN	2-7-42	-
11 1450 250 010	• 250	3.2/2.2	30	24 WZN	UNI	✓
11 1450 250 020	• 250	3.2/2.2	30	40 WZN	UNI	✓
11 1450 250 030	• 250	3.2/2.2	30	60 WZN	UNI	✓
11 1450 250 040	• 250	3.2/2.2	30	80 WZN	UNI	✓
11 1450 260 010	• 260	2.5/1.8	30	48 WZN	UNI	✓
11 1450 260 020	• 260	2.5/1.8	30	60 WZN	UNI	✓
11 1450 260 030	• 260	2.5/1.8	30	80 WZN	UNI	✓
11 1450 300 010	• 300	3.2/2.2	30	72 WZN	UNI	✓
11 1450 305 010	• 305	2.6/1.8	30	32 WZN	UNI	✓
11 1450 305 020	• 305	2.6/1.8	30	48 WZN	UNI	✓
11 1450 305 030	• 305	2.6/1.8	30	60 WZN	UNI	✓
11 1450 305 040	• 305	2.6/1.8	30	72 WZN	UNI	✓
11 1450 305 050	• 305	2.6/1.8	30	96 WZN	UNI	✓
11 1450 350 010	• 350	4.4/2.8	30	42 WZN	UNI	✓
11 1450 400 010	• 400	4.4/2.8	30	48 WZN	UNI	✓
11 1450 420 010	• 420	4.2/2.8	40/30	48 WZN	2-10-60+2-11-63+2-12-64	✓
11 1450 420 020	• 420	3.5/2.5	40/30	84 WZN	2-10-60+2-11-63+2-12-64	✓
11 1450 450 010	• 450	4.4/2.8	30	54 WZN	UNI	✓
11 1450 500 010	• 500	4.4/2.8	30	60 WZN	UNI	✓
11 1450 550 010	• 550	4.8/3.4	30	64 WZN	UNI	✓
11 1450 600 010	• 600	5.4/4.0	30	72 WZN	UNI	✓

• Sale item. While stocks last.

UNI = 2-7-42 + 2-9-46.40 + 2-10-60

1

2

3

4

5

6

7

8

9

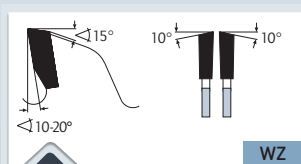
10

11

Index

11 1400

Portable circular saws + Lamello



> Alternate top bevel

MACHINE

For portable circular saws, table saws, bench saws, cross-cut saws.

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Soft wood, hard wood, and exotic wood along the grain
✓		Bonded wood, blockboard and veneer plywood, laminated wood
✓		Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓		Veneers
✓		Profiled wood
✓		Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓		HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓		Gypsum/Cement fibre boards, Rockwool, Eternit, GRP, CRP, HPL, Mineral material

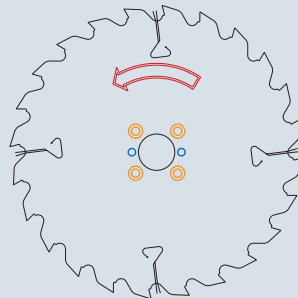
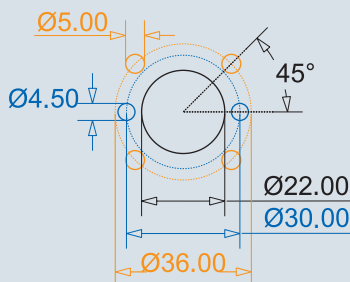
APPLICATION

Low number of teeth: Wood, laminated wood, coarse chipboard.

Average number of teeth for: Wood, laminated wood, tabletops, coarse chipboard, chipboard with coating / veneer on one side.

High number of teeth for: Coarse chipboard, chipboard that is coated/veneered on 1 and 2 sides.

Plastics, thermoplastics.

 Pin holes Lamello **NL 2 / 4.5 / 30 + NL 4 / 5 / 36** countersunk 90°, with bore 22.00 mm


Movie



Bestseller – price reduced

Art.							
11 1400 100 010	• 100	2.6/1.6	12	30 WZ	10°	-	-
11 1400 100 020	• 100	2.6/1.6	22/20	30 WZ	10°	Lamello	-
11 1400 100 030	• 100	3.97/2.8	22	6 WZ	20°	Lamello	-
11 1400 100 040	• 100	3.97/2.8	22	12 WZ	20°	Lamello	-
11 1400 105 010	• 105	2.6/1.6	22/20	30 WZ	10°	-	-
11 1400 120 010	• 120	2.4/1.4	22	24 WZ	15°	Lamello	-
-	• 120	1.8/1.2	20	12/28/44 WZ	-	See Art. 11 1425 page 1203	
11 1400 125 010	• 125	2.6/1.6	20/12.7	24 WZ	15°	-	-
11 1400 125 020	• 125	2.6/1.6	20/12.7	36 WZ	10°	-	-
11 1400 130 010	• 130	2.6/1.6	20/16	24 WZ	15°	-	-
11 1400 130 020	• 130	2.6/1.6	20/16	36 WZ	10°	-	-
-	• 136	1.8/1.2	20/10	14/30/48	-	See Art. 11 1425 page 1203	
11 1400 140 010	• 140	2.6/1.6	20	12 WZ	20°	-	-
11 1400 140 020	• 140	2.6/1.6	20	20 WZ	15°	-	-
11 1400 140 030	• 140	2.6/1.6	20	36 WZ	10°	-	-
11 1400 150 010	• 150	2.6/1.6	20/16	12 WZ	20°	2-6-32	-
11 1400 150 020	• 150	2.6/1.6	20/16	24 WZ	15°	2-6-32	-
11 1400 150 030	• 150	2.6/1.6	20/16	36 WZ	10°	2-6-32	-
11 1400 150 040	• 150	2.6/1.6	20/16	48 WZ	10°	2-6-32	-
11 1400 150 045	• 150	2.6/1.6	22	24 WZ	15°	Lamello	-
11 1400 150 060	• 150	2.6/1.6	30	24 WZ	15°	-	-
11 1400 150 070	• 150	2.6/1.6	30	36 WZ	10°	-	-
11 1400 150 080	• 150	2.6/1.6	30	48 WZ	10°	-	-
11 1400 160 010	• 160	2.6/1.6	20/16	12 WZ	20°	2-6-32	-
11 1400 160 020	• 160	2.6/1.6	20/16	24 WZ	15°	2-6-32	-
11 1400 160 030	• 160	2.6/1.6	20/16	36 WZ	10°	2-6-32	-
11 1400 160 040	• 160	2.6/1.6	20/16	48 WZ	10°	2-6-32	-
11 1400 160 050	• 160	2.6/1.6	30	12 WZ	20°	2-7-42	-
11 1400 160 060	• 160	2.6/1.6	30	24 WZ	15°	2-7-42	-
11 1400 160 070	• 160	2.6/1.6	30	36 WZ	10°	2-7-42	-
11 1400 160 080	• 160	2.6/1.6	30	48 WZ	10°	2-7-42	-
11 1400 165 010	• 165	2.6/1.6	20	24 WZ	15°	2-6-32	-
11 1400 165 020	• 165	2.6/1.6	20	36 WZ	10°	2-6-32	-
11 1400 165 030	• 165	2.6/1.6	20	48 WZ	10°	2-6-32	-
11 1400 170 010	• 170	2.6/1.6	20/16	24 WZ	15°	-	-
11 1400 170 020	• 170	2.6/1.6	30	24 WZ	15°	2-7-42	-
11 1400 170 030	• 170	2.6/1.6	30	36 WZ	15°	2-7-42	-
11 1400 170 040	• 170	2.6/1.6	30	48 WZ	10°	2-7-42	-
11 1400 180 010	• 180	2.8/1.8	20/16	14 WZ	20°	2-6-32	-
11 1400 180 020	• 180	2.8/1.8	20/16	24 WZ	20°	2-6-32	-
11 1400 180 030	• 180	2.8/1.8	20/16	40 WZ	15°	2-6-32	-
11 1400 180 040	• 180	2.8/1.8	20/16	56 WZ	10°	2-6-32	-
11 1400 180 043	• 180	2.5/1.4	22	12 WZ	20°	Lamello	-
11 1400 180 046	• 180	2.8/1.8	22	24 WZ	20°	Lamello	-
11 1400 180 050	• 180	2.8/1.8	30	14 WZ	20°	2-7-42	-
11 1400 180 060	• 180	2.8/1.8	30	24 WZ	20°	2-7-42	-
11 1400 180 070	• 180	2.8/1.8	30	40 WZ	15°	2-7-42	-
11 1400 180 080	• 180	2.8/1.8	30	56 WZ	10°	2-7-42	-
11 1400 185 010	• 185	2.8/1.8	20/16	14 WZ	20°	2-6-32	-
11 1400 185 020	• 185	2.8/1.8	20/16	24 WZ	20°	2-6-32	-
11 1400 185 030	• 185	2.8/1.8	20/16	40 WZ	15°	2-6-32	-
11 1400 185 040	• 185	2.8/1.8	20/16	56 WZ	10°	2-6-32	-
11 1400 190 010	• 190	2.8/1.8	20/16	16 WZ	20°	2-6-32	-
11 1400 190 020	• 190	2.8/1.8	20/16	30 WZ	15°	2-6-32	-
11 1400 190 030	• 190	2.8/1.8	20/16	48 WZ	10°	2-6-32	-
11 1400 190 040	• 190	2.8/1.8	20/16	60 WZ	10°	2-6-32	-
11 1400 190 050	• 190	2.8/1.8	30	16 WZ	20°	2-7-42	-
11 1400 190 060	• 190	2.8/1.8	30	30 WZ	15°	2-7-42	-
11 1400 190 070	• 190	2.8/1.8	30	48 WZ	10°	2-7-42	-
11 1400 190 080	• 190	2.8/1.8	30	60 WZ	10°	2-7-42	-
11 1400 200 010	• 200	2.8/1.8	30	18 WZ	20°	2-7-42	-
11 1400 200 020	• 200	2.8/1.8	30	30 WZ	15°	2-7-42	-
11 1400 200 030	• 200	2.8/1.8	30	48 WZ	10°	2-7-42	-
11 1400 200 040	• 200	2.8/1.8	30	64 WZ	10°	2-7-42	-

• Sale item. While stocks last.

UNI = 2-7-42 + 2-9-46.40 + 2-10-60. Continue to next page

1

2

3

4

5

6

7

8

9

10

11

11 1400

Portable circular saws

Bestseller – price reduced

Art.							
11 1400 210 010	• 210	2.8/1.8	30	18 WZ	20°	2-7-42	-
-	• 210	2.0/1.4	30	20/48/64 WZ	-	See Art. 11 1425 page 1203	-
11 1400 210 020	• 210	2.8/1.8	30	30 WZ	15°	2-7-42	-
11 1400 210 030	• 210	2.8/1.8	30	48 WZ	10°	2-7-42	-
11 1400 210 040	• 210	2.8/1.8	30	64 WZ	10°	2-7-42	-
-	• 216	See table according to Ø and application (index)					
11 1400 220 010	• 220	2.8/1.8	30	20 WZ	20°	2-7-42	-
11 1400 220 020	• 220	2.8/1.8	30	36 WZ	15°	2-7-42	-
11 1400 220 030	• 220	2.8/1.8	30	48 WZ	15°	2-7-42	-
-	• 220	2.0/1.4	30	48 WZ	-	See Art. 11 1425 page 1203	-
11 1400 220 040	• 220	2.8/1.8	30	64 WZ	10°	2-7-42	-
11 1400 225 010	• 225	2.8/1.8	30	24 WZ	20°	2-7-42	-
-	• 225	2.0/1.4	30	24/48/68 WZ	-	See Art. 11 1425 page 1203	-
11 1400 225 020	• 225	2.8/1.8	30	36 WZ	15°	2-7-42	-
11 1400 225 030	• 225	2.8/1.8	30	48 WZ	15°	2-7-42	-
11 1400 225 040	• 225	2.8/1.8	30	64 WZ	10°	2-7-42	-
11 1400 230 010	• 230/235	2.8/1.8	30	24 WZ	20°	2-7-42	-
-	• 230/235	2.0/1.4	30	24/48/68 WZ	-	See Art. 11 1425 page 1203	-
11 1400 230 020	• 230/235	2.8/1.8	30	36 WZ	15°	2-7-42	-
11 1400 230 030	• 230/235	2.8/1.8	30	48 WZ	15°	2-7-42	-
11 1400 230 040	• 230/235	2.8/1.8	30	64 WZ	10°	2-7-42	-
11 1400 240 010	• 240	3.0/2.0	30	24 WZ	20°	2-7-42	-
11 1400 240 020	• 240	3.0/2.0	30	36 WZ	15°	2-7-42	-
11 1400 240 030	• 240	3.0/2.0	30	48 WZ	15°	2-7-42	-
-	• 250	See table according to Ø and application (index)					
11 1400 255 010	• 255	3.0/2.0	30	36 WZ	15°	UNI	-
11 1400 255 020	• 255	3.0/2.0	30	48 WZ	15°	UNI	-
11 1400 255 030	• 255	3.0/2.0	30	64 WZ	10°	UNI	-
11 1400 255 040	• 255	3.0/2.0	30	80 WZ	10°	UNI	-
11 1400 260 010	• 260	3.2/2.2	30	24 WZ	20°	UNI	-
-	• 260	2.2/1.6	30	30/56/80 WZ	-	See Art. 11 1425 page 1203	-
11 1400 260 020	• 260	3.2/2.2	30	48 WZ	15°	UNI	-
11 1400 260 030	• 260	3.2/2.2	30	64 WZ	10°	UNI	-
11 1400 270 010	• 270	3.2/2.2	30	24 WZ	20°	UNI	-
-	• 270	2.2/1.6	30	30/56/80 WZ	-	See Art. 11 1425 page 1203	-
11 1400 270 020	• 270	3.2/2.2	30	48 WZ	15°	UNI	-
11 1400 270 030	• 270	3.2/2.2	30	80 WZ	10°	UNI	-
11 1400 280 010	• 280	3.2/2.2	30	48 WZ	15°	UNI	-
11 1400 280 020	• 280	3.2/2.2	30	64 WZ	10°	UNI	-
-	• 300	See table according to Ø and application (index)					
11 1400 330 010	• 330	3.2/2.2	30	24 WZ	20°	UNI	-
11 1400 330 020	• 330	3.2/2.2	30	40 WZ	20°	UNI	-
11 1400 330 030	• 330	3.2/2.2	30	60 WZ	15°	UNI	-
11 1400 335 010	• 335	3.2/2.2	30	36 WZ	20°	UNI	-
11 1400 335 020	• 335	3.2/2.2	30	60 WZ	15°	UNI	-
-	• 350	See table according to Ø and application (index)					
11 1400 355 010	• 355	3.2/2.2	30	30 WZ	20°	UNI	-
11 1400 355 020	• 355	3.2/2.2	30	60 WZ	15°	UNI	-

● Manufactured 232.50 mm · UNI = 2-7-42 + 2-9-46.40 + 2-10-60

Split scoring saw blades (2-part)

11 1480



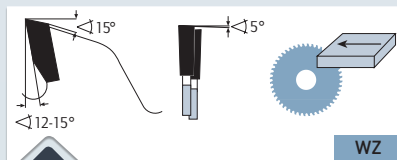
✓ OPTIMAL

✓ GOOD

✓ POSSIBLE



Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF



> Alternate top bevel

MACHINE

For panel sizing machines with scoring aggregate.

APPLICATION

For scoring laminated or veneered panel materials

Art.	Machine manufacturers						
11 1480 080 010	Felder, Striebig	• 80	2.8-3.6	2.2	20	2x10 WZ	-
11 1480 100 010	Schelling KS, MartinT70, Panhans 684+685A	• 100	2.8-3.6	2.2	20	2x12 WZ	-
11 1480 100 020	Altendorf, Panhans, Striebig	• 100	2.8-3.6	2.2	22	2x12 WZ	-
11 1480 120 010	Holz-Her, SCM S1, MAKKA	• 120	2.8-3.6	2.2	20	2x12 WZ	-
11 1480 120 020	Altendorf T70, Martin T72 A	• 120	2.8-3.6	2.2	22	2x12 WZ	-
11 1480 120 030	Martin-System*	• 120	2.8-3.8	2.2	22	2x12 WZ	4-4.6-39/4-4.6-55 Sunken
11 1480 120 040	Altendorf, Rapido, Leuco-System*	• 120	2.8-3.8	2.2	50	2x12 WZ	4-6.4-62 Sunken
11 1480 125 010	Panhans, Paoloni	• 125	2.8-3.6	2.2	20	2x12 WZ	-
11 1480 125 020	Altendorf, Martin	• 125	2.8-3.6	2.2	22	2x12 WZ	-

* Sale item. While stocks last.

1.) The scoring blades comes with a set of spacers/intermediate discs: 1 x 0.1 mm · 1 x 0.2 mm · 2 x 0.3 mm

2.) Martin-System* and Altendorf, Rapido, Leuco-System* comes without spacers/intermediate discs because the width is adjusted on the machine.

3.) More scoring blades see page 1153

Movie



1209

1



2



3



4



5



6



7



8



9



10



11

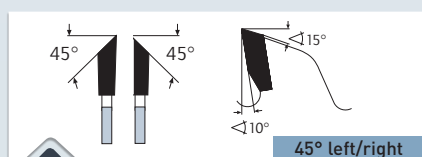


Index

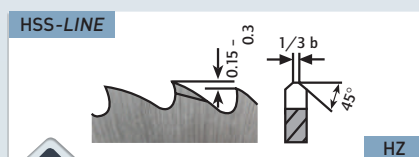
11 1150
HM/T.C.T.

Glazing bead (glass ledge) circular saws

11 1170
HSS-LINE



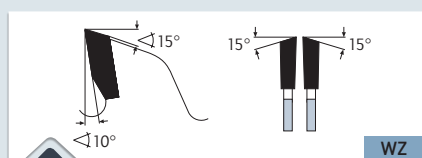
> 45° left / right = 45° acute on one side, left or right cut
For plastic profile, wooden material



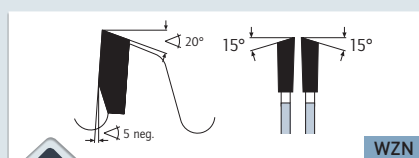
> HZ = Precutter tooth with bevels sides and finishing tooth without bevels
For plastic profile, aluminium profile



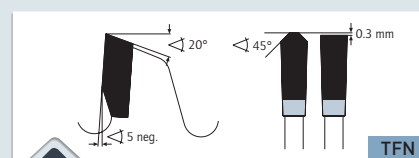
> BW = Tooth with alternate bevels
For plastic profile, aluminium profile



> WZ = Alternate top bevel
For plastic profile, wooden material



> WZN = Alternate top bevel, negative cutting angle
For plastic profile, wooden material



> TFN = Triple-chip flat tooth, negative cutting angle
For plastic profile, aluminium profile

MACHINE

For special machines, such as glazing bead saws from HAFFNER, ROTOX, WEGOMA, STRIFFLER, etc.

APPLICATION

Saw blades for window fitting, e.g. cutting glazing beads. Removing glass ledges or as trimmin set. Material: plastic profile, aluminium profile, wooden material.

Movie

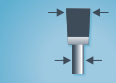
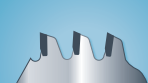


Glazing bead (glass ledge) circular saws

11 1150
HM/T.C.T.

Carbide tipped



Art.	Machine manufacturers					
11 1150 092 010	Rotox	% 92	3.0/2.5	30	24 / 45° left	-
11 1150 092 020	Rotox	% 92	3.0/2.5	30	24 / 45° right	-
11 1150 095 010	Haffner, Rapid	• 95	2.1/1.6	20	20 / 45° left	-
11 1150 095 020	Haffner, Rapid	• 95	2.1/1.6	20	20 / 45° right	-
11 1150 098 010	Elu	• 98	3.0/2.0	32	36 / 45° left	-
11 1150 098 020	Elu	• 98	3.0/2.0	32	36 / 45° right	-
11 1150 103 010	Wegoma	• 103	2.1/1.6	32	24 / 45° left	-
11 1150 103 020	Wegoma	• 103	2.1/1.6	32	24 / 45° right	-
11 1150 138 010	Rotox	% 138	2.5/2.0	14	24 FL	-
11 1150 138 020	Rotox	% 138	2.5/2.0	20	24 FL	-
11 1150 175 010	Haffner	• 175	2.1/1.6	20	68 WZ	-
11 1150 200 010	Rapid, Striffler	% 200	2.1/1.6	20	80 WZ	-
11 1150 200 020	Rapid, Striffler	• 200	2.1/1.6	20	80 WZN	-
11 1150 200 030	Rapid, Striffler	• 200	2.2/1.8	20	100 TFN	-
11 1150 200 040	Wegoma	• 200	2.1/1.6	32	80 WZ	-
11 1150 200 050	Rotox	• 200	2.2/1.8	30	100 TFN	-
11 1150 200 060	Wegoma	• 200	2.2/1.8	32	100 TFN	-
11 1150 200 070	Wegoma, Rotox	• 200	2.2/1.8	32/30	100 WZN	-
11 1150 250 010	Haffner	• 250	2.2/1.8	20	120 WZN	-
	BMJ, Rapid	• 250	2.2/1.8	30	100 TFN	See Art. 11 1120, page 1103
	BMJ, Rapid	• 250	2.2/1.8	32/30	120 TFN	See Art. 11 1120, page 1103
		• 300	2.4/1.8	30	120 TFN	See Art. 11 1120, page 1103
		• 350	2.7/2.0	30	120 TFN	See Art. 11 1120, page 1103
		• 400	3.0/2.4	30	130 TFN	See Art. 11 1120, page 1103

% Sale item. While stocks last.

Other aluminium negativ TFN teeth, see article 11 1100 page 1101 and 11 1120 page 1103

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Non ferrous materials like aluminium, copper, brass
✓		Soft wood, hard wood, and exotic wood across the grain

✓ OPTIMAL

✓ GOOD

✓ POSSIBLE

Solid steel HSS

11 1170
HSS-LINE

Art.	Machine manufacturers					
11 1170 103 010	Wegoma	• 103	2.0	32	60 / 45° left	-
11 1170 103 020	Wegoma	• 103	2.0	32	60 / 45° right	-
11 1170 200 010	Wegoma	• 200	2.0	32	180 HZ	2-8-45
	Wegoma, STB	• 250	2.0	32	200 BW	See Art. 5 1000 250 170, page 1226

✓		Plastics, plexiglass, acrylics, duro- and thermoplastics
✓		Non ferrous materials like aluminium, copper, brass

✓ OPTIMAL

✓ GOOD

✓ POSSIBLE

Movie



1211

1

2

3

4

5

6

7

8

9

10

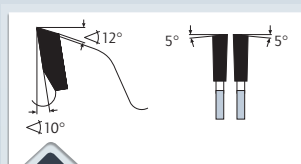
i

11

Index

11 1340

Circular saws for roadside maintenance hedging and sliding machines from Mulag, Spearhead, Power etc.



> Alternate top bevel

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Soft wood, hard wood, and exotic wood along the grain

MACHINE

Suitable for MULAG, Spearhead, Power and other roadside maintenance hedging and siding machines

APPLICATION

For cutting branches, twigs and undergrowth on the roadside.

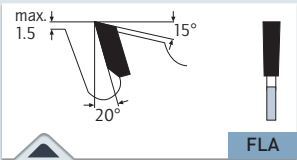
Art.					
11 1340 390 010	• 390	3.5/2.5	25	60 WZ	6-8.0-64
11 1340 390 020	• 390	3.5/2.5	61	60 WZ	6-9-75
11 1340 500 010	• 500	4.0/3.0	30	60 WZ	6-8.5-80
11 1340 500 020	• 500	4.0/3.0	30	72 WZ	6-8.5-80
11 1340 590 010	• 590	4.5/3.6	30	78 WZ	6-8.5-80
11 1340 590 020	• 590	4.5/3.6	85	78 WZ	6-11-110
11 1340 600 010	• 600	4.0/3.0	45	60 WZ	2-18-120

Movie



Circular saw for Vogesenblitz cylinder/circular barrel saw

11 1345



> Flat tooth with chip limiter

MACHINE

Suitable for Vogesenblitz cylinder/circular barrel saw SAT 4-700

✓ OPTIMAL ✓ GOOD ✓ POSSIBLE

✓		Soft wood, hard wood, and exotic wood across the grain
✓		Soft wood, hard wood, and exotic wood along the grain

APPLICATION

For sawing logs with a length up to 1200 mm and diameters up to 270 mm.

Art.					
11 1345 700 010	700	6.0/4.5	30	42 FLA	-

Movie



1213

- 1 
- 2 
- 3 
- 4 
- 5 
- 6 
- 7 
- 8 
- 9 
- 10 
- 11 

Index

1



2



3



4



5



6



7



8



9



10



11

Index

11 1630

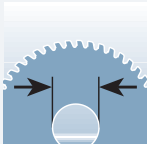
Reduction rings, ground, knurled outward, H7 fit



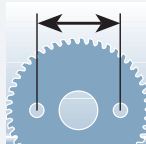
Ø Outer	Ø Inner	Strength	ART. 11 1630	Ø Outer	Ø Inner	Strength	ART. 11 1630	Ø Outer	Ø Inner	Strength	ART. 11 1630
• 16	12.7	1.6	11 1630 005	• 30	18	1.4	11 1630 205	• 32	25.4	1.8	11 1630 382
• 16	13	1.5	11 1630 010	• 30	18	1.8	11 1630 210	• 32	30	1.6	11 1630 385
• 18	16	1.4	11 1630 015	• 30	20	1.4	11 1630 215	• 32	30	1.8	11 1630 390
• 18	16	1.6	11 1630 020	• 30	20	1.6	11 1630 220	• 32	30	2.0	11 1630 395
• 20	10	1.4	11 1630 025	• 30	20	1.8	11 1630 225	• 32	30	2.2	11 1630 400
• 20	12.7	1.4	11 1630 030	• 30	20	2.0	11 1630 230	• 32	30	2.5	11 1630 405
• 20	12.7	1.6	11 1630 035	• 30	20	2.2	11 1630 235	• 32	30	3.5	11 1630 410
• 20	13	1.4	11 1630 040	• 30	20	2.5	11 1630 240	• 35	20	2.0	11 1630 415
• 20	13	1.6	11 1630 045	• 30	20	2.8	11 1630 245	• 35	20	2.2	11 1630 420
• 20	13	1.8	11 1630 050	• 30	22	1.4	11 1630 250	• 35	20	2.5	11 1630 425
• 20	15	1.6	11 1630 055	• 30	22	1.8	11 1630 255	• 35	20	2.8	11 1630 430
• 20	16	1.4	11 1630 060	• 30	22	2.0	11 1630 260	• 35	25	2.2	11 1630 435
• 20	16	1.6	11 1630 065	• 30	22	2.2	11 1630 265	• 35	25	2.5	11 1630 440
• 20	16	1.8	11 1630 070	• 30	22.23	1.4	11 1630 270	• 35	25	2.8	11 1630 445
• 20	16	2.0	11 1630 075	• 30	22.23	1.6	11 1630 275	• 35	30	1.8	11 1630 450
• 20	16	2.2	11 1630 080	• 30	22.23	1.8	11 1630 280	• 35	30	2.0	11 1630 455
• 20	16	2.6	11 1630 085	• 30	22.23	2.2	11 1630 285	• 35	30	2.2	11 1630 460
• 20	18	1.4	11 1630 090	• 30	22.23	2.5	11 1630 290	• 35	30	2.5	11 1630 465
• 22	20	1.4	11 1630 095	• 30	25	1.4	11 1630 295	• 35	30	2.8	11 1630 470
• 22	20	1.6	11 1630 100	• 30	25	1.6	11 1630 300	• 35	32	1.8	11 1630 475
• 22	20	1.8	11 1630 105	• 30	25	1.8	11 1630 305	• 40	22	2.5	11 1630 480
• 22	20	2.0	11 1630 110	• 30	25	2.0	11 1630 310	• 40	25	2.8	11 1630 485
• 22.23	20	1.4	11 1630 115	• 30	25	2.2	11 1630 315	• 40	25.4	2.0	11 1630 490
• 22.23	20	1.6	11 1630 120	• 30	25	2.5	11 1630 320	• 40	30	2.0	11 1630 495
• 25	16	1.4	11 1630 125	• 30	25	2.8	11 1630 325	• 40	30	2.2	11 1630 500
• 25	20	1.4	11 1630 130	• 30	25.4	1.4	11 1630 326	• 40	30	2.5	11 1630 505
• 25	20	1.6	11 1630 135	• 30	25.4	1.6	11 1630 327	• 40	30	2.8	11 1630 510
• 25	20	1.8	11 1630 140	• 30	25.4	1.8	11 1630 328	• 40	32	1.8	11 1630 515
• 25	20	2.0	11 1630 145	• 30	25.4	2.0	11 1630 329	• 40	32	2.0	11 1630 520
• 25.4	20	1.4	11 1630 150	• 30	28	2.8	11 1630 330	• 40	32	2.5	11 1630 525
• 25.4	22.23	1.4	11 1630 155	• 30	28	3.0	11 1630 335	• 40	32	2.8	11 1630 530
• 25.4	22.23	1.8	11 1630 160	• 30	28	3.2	11 1630 340	• 40	32	3.0	11 1630 535
• 30	15	1.8	11 1630 165	• 32	20	1.8	11 1630 345	• 40	32	3.2	11 1630 540
• 30	15	2.0	11 1630 170	• 32	20	2.2	11 1630 350	• 40	35	2.8	11 1630 545
• 30	16	1.4	11 1630 175	• 32	22	2.2	11 1630 355	• 40	38	2.8	11 1630 550
• 30	16	1.6	11 1630 180	• 32	22	2.5	11 1630 360	• 40	38	3.0	11 1630 555
• 30	16	1.8	11 1630 185	• 32	25	2.0	11 1630 365	• 50	30	2.5	11 1630 560
• 30	16	2.0	11 1630 190	• 32	25	2.2	11 1630 370	• 50	30	2.8	11 1630 565
• 30	16	2.2	11 1630 195	• 32	25	2.5	11 1630 375	• 50	30	3.0	11 1630 570
• 30	16	2.5	11 1630 200	• 32	25	2.6	11 1630 380	• 50	32	3.0	11 1630 575

Rework

Rebore standard bore



Pin holes



Prices and delivery time available on request

1214

CONTACT INFORMATION

For more information please call +353 49 435 2138 or send an email to ask@atagroup.ie