

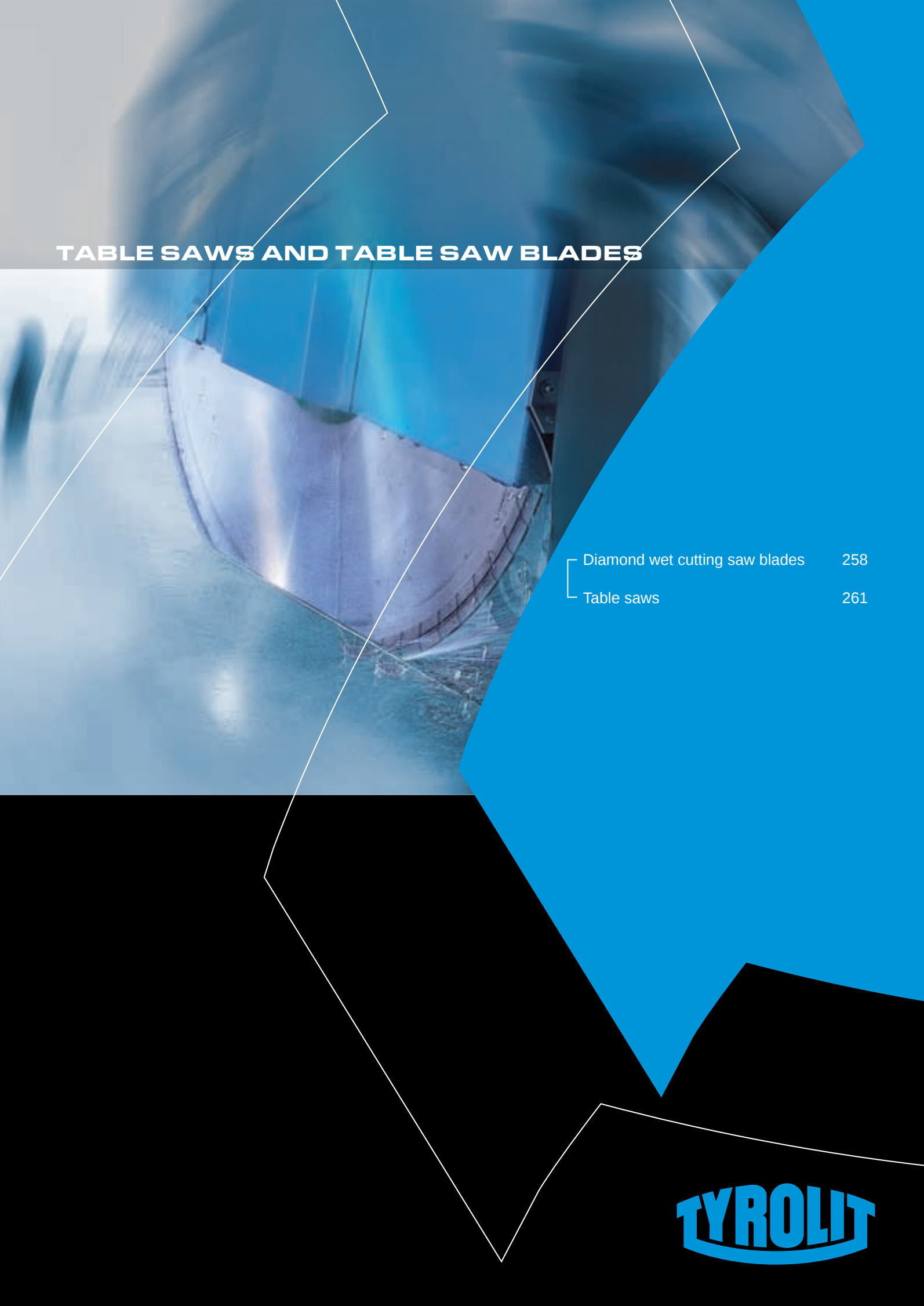
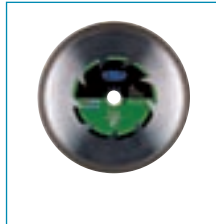


TABLE SAWS AND TABLE SAW BLADES

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DIAMOND WET CUTTING SAW BLADES

APPLICATIONS

Cutting ceramic tiles, marble, soft stone, sand-lime brick, granite, quartzite, fire-resistant materials, hard-fired clinkers, washed-out concrete, Poroton, clay bricks and terrazzo

CONSUMER GROUPS

Building construction, road and garden construction, tilers, stonemasons, furnace makers

The Product

STRUCTURE

The diamond cutting layer (segments) is directly sintered, laser welded or soldered on to a special steel core (steel blade).

- Synthetic diamond
- Metal bond

1A1R = Continuous cutting rim for break-out-free cutting edges

C2 = Close spacing, narrow slots for cleaner cutting edges

C1 = Wide spacing, wide slots, very easy cutting



C2



C1

STANDARD SEGMENTATION (shapes, dimensions)

Shape	D [mm]	T/X [mm]	H [mm]	Shape	D [mm]	T/X [mm]	H [mm]	Shape	D [mm]	T/X [mm]	H [mm]
1A1R	200	1.5/5	30	C2	250	2.2/5	35*	C1	500	3.6/5	35*
	250	1.5/5	30		300	2.4/5	35*		600	3.6/5	35*
	300	2.2/5	30		350	2.8/5	35*		625	3.6/5	35*
	350	2.2/5	30		400	3.2/5	35*		650	3.9/5	35*
									800	4.7/5	35*
									900	4.7/5	35*

X = segment height = max. useable height set with diamonds

* = reducing rings on H = 30 mm and H = 25.4 mm included

REQUIREMENTS

The user wants a tool that is easy to handle but that produces an extremely high cutting quality.

Quality

- Wide range (for all materials and various cutting requirements)
- Long lifetime
- Clean cutting surfaces and edges
- Product safety

Application Tips

- Careful product selection (specification and saw design) results in economic efficiency!
- Only use in wet cutting!

MATERIALS, WORKPIECES



- Ceramics, tiles



- Soft stone



- Hard stone, granite



- Building materials



- Refractories

MACHINE

Small table saws: tile saws e.g. TTE250 ★★★

Large table saws: construction site machines e.g. TBE350★★, TME900 ★★★

Double-handed angle grinder: Ø 180 mm; up to 2500 Watt

SPECIFICATION KEY: EB-T or EH-T

1st letter: product line	E	★★★
2nd letter: material	B	Building materials
	H	Hard stone
	T	Tiles

Environment, Ergonomics, Comfort

- Easy, trouble-free handling
- Smooth running thanks to the specially-treated steel blade

Safety Information

- $V_s = 63$ m/s maximum operating speed
- Pay attention to the rotational direction arrow
- 100% check of segment adhesion (i.e. very high product safety!) = quality
- For wet cutting

Summary

The table saws in the range can be specifically adjusted to the material to be cut and therefore ensure precise cutting surfaces, a long lifetime and simple handling.

Application Table: Diamond Table Saw Blades

Standard ★★

Premium ★★★



MATERIAL	XB-T	EB-T	EH-T	ES-T	ET-T	TSS10	F40
Concrete block							
Hard-fired clinkers							
Hard stone							
Abrasive sand-lime brick							
Hard sand-lime brick							
Ceramic tiles							
Clinkers							
Marble, sand-lime brick							
Stove tiles							
Stradalit							
Terrazzo with concrete backfill							
Terrazzo without concrete backfill							
Washed-out concrete							
Soft clay bricks							
Hard clay bricks							



Extremely suitable

Long lifetime combined with maximum cutting ability



Suitable

Long lifetime and good cutting ability



Limited suitability

When used exclusively on these materials, a reduced lifetime or reduced cutting ability (overheating) can be expected



Not suitable

When used on these materials, this will result in either extremely high layer wear or blunting and overheating of the layer

Technical Data: Table Saws

	TTE250***	TBE350**	TDE350***	TME450**	TME650***	TME900***
Saw blade holder						
Blade dia., standard	250 mm	350 mm	350 mm	450 mm	650 mm	900 mm
Cutting depth, standard	60 mm	110 mm	110 mm	160 mm	245 mm	370 mm
Blade dia., optional		380 mm		550 mm	700 mm	1000 mm
Cutting depth, optional		120 mm	220 mm	210 mm	270 mm	420 mm
Cutting length	730 mm	600 mm	406 mm	800 mm	720 mm	800 mm
Saw blade speed, rpm	3420	2800	3600	1900	1410	910
Blade holder dia.	25,4 mm	25,4 mm	25,4 mm	30 mm	60 mm	60 mm
Carrier dia.					11,5 mm	11,5 mm
Reference circle dia.					120 mm	120 mm
Cutting depth adjustment infinitely variable, manual with locking screw	•	•	•	•	•	•
Angular cut via rotatable saw head		90°/45°				
Angular cut via jolly table	0		0			
Mitre stop 45° integrated in the roller table				•	•	•
Water feed system						
- Water fork	•			•	•	•
- PG adjustment screw		•				
Electric water pump	•	•		•	•	•
Water tray						
- Plastic, removable	•				•	•
- Steel, galvanised/powder-coated		•		•		
Drives						
Drive/motor	Electric	Electric	Electric	Electric	Electric	Electric
Output	1100 W	2200 W	2200 W	3000 W	5500 W	7500 W
Voltage	110 V/230 V	110 V/230 V	110 V/230 V	400 V	400 V	400 V
Motor air cooling	•	•	•	•	•	•
Blade drive						
- direct	•	•	•			
- via V-belt				•		
- via gears					•	•
General						
Dimensions in mm	L	900	1140	1010	1490	1810
	W	600	640	520	750	1150
	H	500	1230	480	960	1900
Weight		26 kg	79 kg	37 kg	118 kg	248 kg
Demountable		•	•	•	•	

- Standard equipment
- o Additional equipment

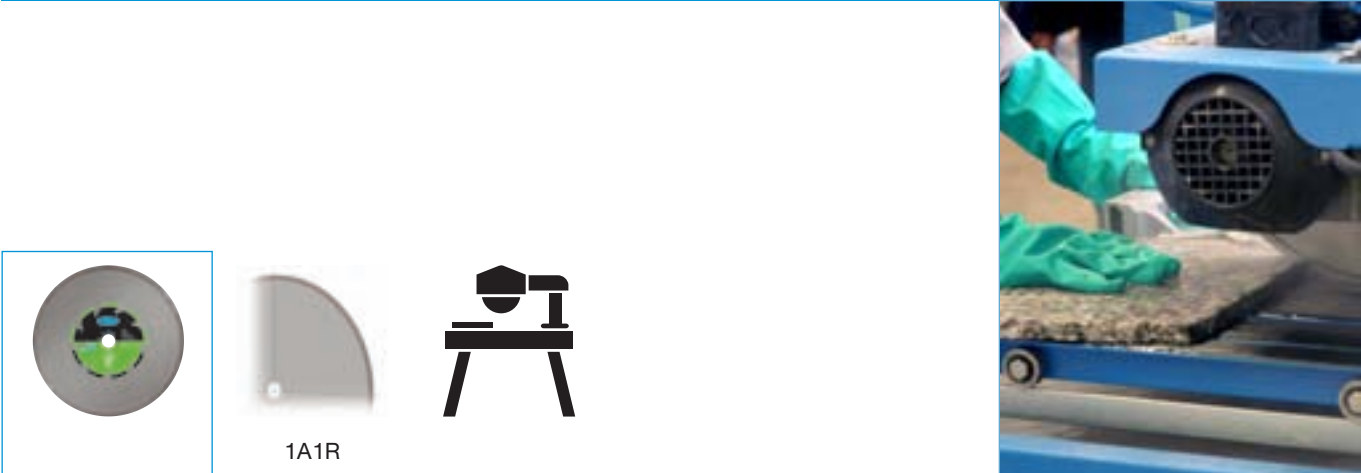
Subject to technical modifications

Diamond wet cutting saw blades

Choosing the right type for each application is a basic requirement to ensure good cutting performance and long service life.

Please advise the bore size and any secondary holes for inserting the blade without fail. Use for wet cutting with a maximum peripheral speed of 63 m/sec.

In addition, reducing rings of 35 to 30 mm or 25.4 mm are included with all table saw blades.



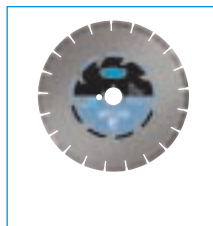
Type No.	Shape	Dimensions	Segment height mm	Specification	Comments
55877	1A1R	180x1,5x30	5.000	ET-T*	Continuous rim blade for cleaner cutting edges, reducing rings down to 25.4 included.
5633	1A1R	200x1,5x30	5.000	ET-T*	
72422	1A1R	230x1,5x30	5.000	ET-T*	
5645	1A1R	250x1,5x30	5.000	ET-T*	
5658	1A1R	300x2,2x30	5.000	ET-T*	
5660	1A1R	350x2,2x30	5.000	ET-T*	

*Reducing rings: 35 to 30 or 25.4 mm

Type No.	Shape	Dimensions	Segment height mm	Specification	Comments
5679	C2	250x2,2x35	5.000	ES-T*	Narrow gullet for cleaner cutting edges. Reducing rings for 30 or 25.4mm included.
5684	C2	300x2,4x35	5.000	ES-T*	
5685	C2	350x2,8x35	5.000	ES-T*	

*Reducing rings: 35 to 30 or 25.4 mm

- xx-T = Table saws
- ET = PREMIUM tiles
- ES = PREMIUM soft stone
- EB = PREMIUM gen. building materials
- EH = PREMIUM hard stone

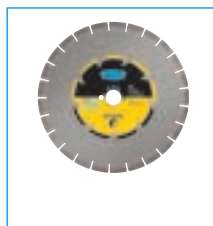


C2W

Type No.	Shape	Dimensions	Segment height mm	Specification	Comments
5687	C2W	250x2,2x35	5.000	EH-T*	Narrow gullet for cleaner cutting edges.
5688	C2W	300x2,6x35	5.000	EH-T*	
5689	C2W	350x2,8x35	5.000	EH-T*	



*Reducing rings: 35 to 30 or 25.4 mm



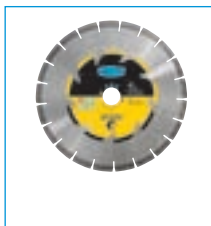
C2W

Type No.	Shape	Dimensions	Segment height mm	Specification	Comments
5692	C2W	250x2,2x35	5.000	EB-T*	Narrow gullet for cleaner cutting edges - for universal use
5693	C2W	300x2,4x35	5.000	EB-T*	
5696	C2W	350x2,8x35	5.000	EB-T*	
92534	C2W	380x3,2x35	5.000	EB-T*	
5707	C2W	400x3,2x35	5.000	EB-T*	
700288	C1W	450x3,6x35	5.000	EB-T*	
5708	C1W	500x3,6x35	5.000	EB-T*	
768100	C1	550x3,6x30	5.000	EB-T	
5715	C1W	600x3,6x35	5.000	EB-T*	
5720	C1W	625x3,6x35	5.000	EB-T*	
5721	C5	650x3,9x35	5.000	EB-T*	
106991	C5	650x3,9x60	5.000	EB-T	
240774	C1	700x3,9x55	5.000	EB-T	
885617	C1	700x3,9x60	5.000	EB-T	
501055	C1	750x3,9x60	5.000	EB-T	
5723	C1	900x4,7x35	5.000	EB-T	
491756	C1	900x4,7x55	5.000	EB-T	
175115	C1	1000x4,7x55	5.000	EB-T	



*Reducing rings: 35 to 30 or 25.4 mm

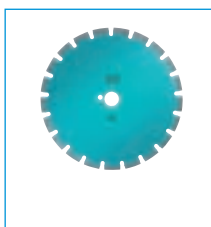
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C2W

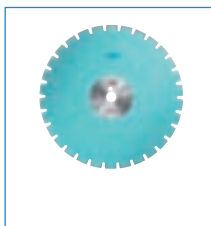
Type No.	Shape	Dimensions	Segment height mm	Specification	Comments	
284967	C2W	250x2,2x35	5.000	XB-T*	Professional tool with excellent value for money.	
284968	C2W	300x2,4x35	5.000	XB-T*		
284969	C2W	350x2,8x35	5.000	XB-T*		
284970	C2W	400x3,2x35	5.000	XB-T*		
462504	C2W	450x3,2x35	7.000	XB-T*		
462506	C2W	550x3,6x35	7.000	XB-T*		
355613	C1W	625x3,6x60	7.000	XB-T	starting with diameter 600: reducing rings 60 to 55 mm	
355631	C1	650x3,9x60	7.000	XB-T		
355633	C1	700x3,9x60	7.000	XB-T		
338399	C1	900x4,8x60	7.000	XB-T		

*Reducing rings: 35 to 30 or 25.4 mm



C1

Type No.	Shape	Dimensions	Segment height mm	Specification	Comments	
894258	C1	350x2,8x35	7.000	TSS	Especially for very hard brick	



C2W

Type No.	Shape	Dimensions	Segment height mm	Specification	Comments	
817606	C2W	300x2,4x25,4	5.000	F40	Suitable for abrasive materials	
817603	C2W	350x2,8x25,4	5.000	F40		
817607	C2W	400x3,2x25,4	5.000	F40		

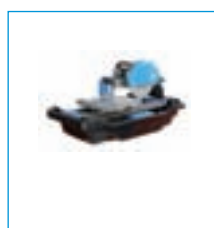
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- XB = STANDARD gen. building materials

Table saws

Precision - innovation - user-friendliness. Keep up with the latest sawing technology with TYROLIT table saws.

The fine-tuning between machine and diamond tool as an integrated system ensures success.



TTE250 ★★★



Type No.	Designation
10984480	Electric Tile saw TTE250 ★★★/ 1.1kW/110V/CEE16/4h/yellow/ blade max Ø250mm/cutting depth 64mm/ cutting length 730mm/ Tool connection Ø25.4mm/26Kg
10984479	FOLDING TABLE
10984497	EXTENSION TABLE TTE250



TBE350 ★★

Type No.	Designation
10981423	Electric Table saw TBE350 ★★/ 2.2kW/230V/SchukoU/blade max Ø380mm/ cutting depth 120mm/ cutting length 600mm/ Tool connection Ø25.4mm/79Kg
10981424	Electric Table saw TBE350 ★★/ 2.2kW/110V/CEE16 yellow/ blade max Ø380mm/cutting depth 120mm/ cutting length 600mm/ Tool connection Ø25.4mm/79Kg

- On the previous pages you can find the right diamond tool from our extensive range



TDE350 ★★★

Type No.	Designation
10981541	Electric Table saw TDE350 ★★★/ 2.2kW/230V/SchukoU/blade max Ø350mm/ cutting depth 220mm/ cutting length 406mm/ Tool connection Ø25.4mm/37Kg
10981542	Electric Table saw TDE350 ★★★/ 2.2kW/110V/CEE16 yellow/ blade max Ø350mm/cutting depth 220mm/ cutting length 406mm/ Tool connection Ø25.4mm/37Kg
10981912	FOLDING STAND
10984479	FOLDING TABLE
10984497	EXTENSION TABLE TTE250