



**CONSTRUCTION  
RELATED TRADE  
2011 | 12**

A Company within the SWAROVSKI Group

**TYROLIT**



# TYROLIT

## GENERAL

TYROLIT today	5
TYROLIT in expansion	5
Principles	6
Quality lines	9
The new product design	10
At a glance	11
POS system	12
General information	14
Explanation of labels	16
Safety	18
Do's & Dont's	19

## FLOOR SAWING

<b>Machines</b>	<b>22</b>
FSG513 ★★★	22
FSG620 ★★	24
HFS811	26
FSD930 ★★	28
<b>Tools</b>	<b>32</b>
Premium	34
2in1 Premium	35
Basic	36

## CORE DRILLING

<b>Machines</b>	<b>40</b>
DRS160 ★★	40
DRU160 ★★★	42
DRU250 ★★★	
DRA250 ★★★	44
DRA400 ★★★	
DRU400 ★★★	46
Electric drill motors	48
<b>Tools</b>	<b>52</b>
Wet drill bits	52
Premium	54
Standard	57
Dry drill bits	60
Premium	62



## TABLE SAWING

## GAS CUTTER CUTTING

## ANGLE GRINDER CUTTING GRINDING

<b>Machines</b>	<b>66</b>
TTE250 ★★★	66
TBE350 ★★	68
TME650 ★★★	70
TME900 ★★★	72
<b>Tools</b>	<b>76</b>
Premium	78
Standard	81

Premium	<b>88</b>
Standard	<b>91</b>
Basic	<b>93</b>

<b>Cutting</b>	<b>98</b>
Premium	<b>102</b>
Standard	<b>106</b>
Basic	<b>108</b>
<b>Grinding</b>	<b>114</b>
Premium	<b>114</b>
Standard	<b>116</b>



## RESTRUCTURED: PRODUCT CATALOGUE

Dear business partners,

We have taken the liberty of making the product catalogue clearer.

It is split into the main sections **floor sawing, core drilling, table sawing, gas cutter and angle grinder**, where in the section

- **Floor sawing** through the subsections – Machines and Tools
- **Core drilling** through the subsections – Machines and Tools
- **Table sawing** through the subsections – Machines and Tools
- **Gas cutter** through the subsections – Premium, Standard and Basic
- **Angle grinder** through the subsections – Cutting and Grinding

you are guided to the individual products.





## TYROLIT IS

one of the largest manufacturers of bonded grinding, cutting, sawing, drilling and dressing tools in the world.

The company is also a provider of tools and machines.

A system partner that tailors its complete cutting and grinding solutions in close cooperation with its customers, and achieves and provides customerspecific solutions through the hard work of highly-skilled application engineers.

A company that is continuously investing to ensure that its products are as environmentally friendly as possible in terms of their manufacture, use and disposal.

## TYROLIT IN EXPANSION

TYROLIT, with its workforce of approximately 4,350 and a wide range of products (over 80,000), has every intention of pushing ahead with its ambitious expansion plans.

The company has 25 production centres in 15 countries and a global network of sales companies and distributors that is growing all the time.





## PRINCIPLES

### CUSTOMER RELATIONS

We view our customers as partners with the aim of achieving a lasting win-win situation.

The success of our customers lies in the quality of our products, our knowledge of application technology and the provision of customer-specific on-site solutions.

Close cooperation with our customers leads to remarkable strategic developments and ensures long-term success for both parties.

Our global network of production centres, sales companies and our carefully selected local service provision means that we see TYROLIT as a global company for our internationally-active customers all over the



# PRINCIPLES

## QUALITY

Our strength was, is and remains an unbeatable combination of tradition, innovation and quality.

Our quality level is characterised by our constant striving to improve quality, an attribute that is embedded in the strategic orientation of the company. It is this characteristic that guarantees our customers the usual high quality standards they expect of TYROLIT.

The TYROLIT quality management system has been certified to ISO 9001:2000 by an external authorised body for the entire production area. Production is carried out in accordance with European standards:

- EN12413 for grinding wheels made of bonded abrasives
- EN13236 for grinding wheels made of diamond or boron nitride
- EN13743 for special abrasives on an underlay such as
  - Vulcanised fibre grinding wheels
  - Flap grinding wheels
  - Flapped discs and
  - Mounted points

## INNOVATION

The development and implementation of our visions and ideas for the future has always been and remains a key factor in the success of our company.

The creative potential of our employees is therefore not just employed constantly looking out for new technology, developing new materials or continuously optimising the entire production process, it also helps to win us a competitive edge over our rivals.





## **SAFETY BRAND TYROLIT**

Our aim was and is to make our products even safer for our users:

- Through our work as the founder member of the “Organisation for the Safety of Abrasives (oSa),”
- through close cooperation with the safety authorities and
- through practical communication with our users all over the world.

## **AIM OF OSA**



The main aim of oSa is defined in terms of absolute protection for the users of grinding tools. Members undertake to:

- provide a consistently high level of quality,
- adopt a rigorous approach towards quality assurance and
- strive to develop new, improved standards of safety.



## THE NEW QUALITY LINES

The restructuring of the product markings carried out in 2008, the aim of which was to make it easier to select the best product, has fully met our expectations.

**PREMIUM**★★★

**Quality tools for maximum performance:**

Maximum performance and service life, broad product range

**STANDARD**★★

**Quality tools for daily use:**

Impressive performance and service life for professional applications

**BASIC**★

**Quality tools for universal use:**

Good performance and service life, highly versatile range



## THE NEW PRODUCT DESIGN

The investment in the relaunch of our product image, also in 2008, has met our expectations in just the same way as the restructuring of the product markings: to make the image of the Tyrolit brand more attractive and user-friendly.

From 2008, TYROLIT has projected itself with

- a new, simplified product marking broken down by quality levels
- a new, attractive product image
- a new, clearly structured POS
- new ways of promoting sales

### Aim

To standardise, simplify and make the entire appearance of the TYROLIT brand more user-friendly.

### Benefits

Easier to sell





## PROMOTING SALES

### THE CATALOGUE SERIES BY TYROLIT



#### Construction-related trade

This catalogue contains everything about:  
**Construction-related trade**



#### Building professionals

This catalogue contains everything about:  
**Building professionals**



#### Industrial supply

This catalogue contains everything about:  
**Industrial supply**



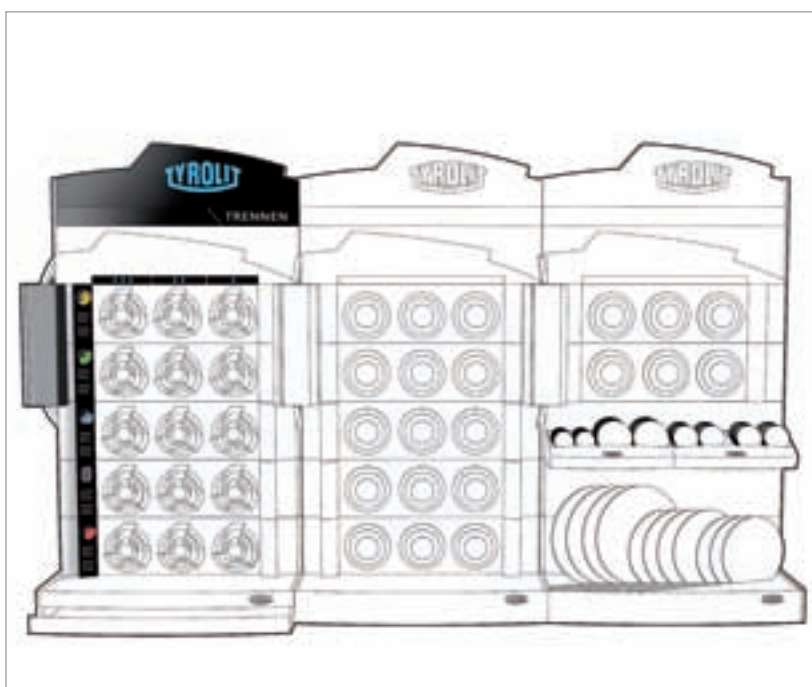
## PROMOTING SALES

### THE POS

It gives the right impression of the brand TYROLIT and ensures a clear organisation of the product in terms of

- └ areas of application
- └ levels of quality
- └ diameter

the POS also has enough space for additional information materials for customers.



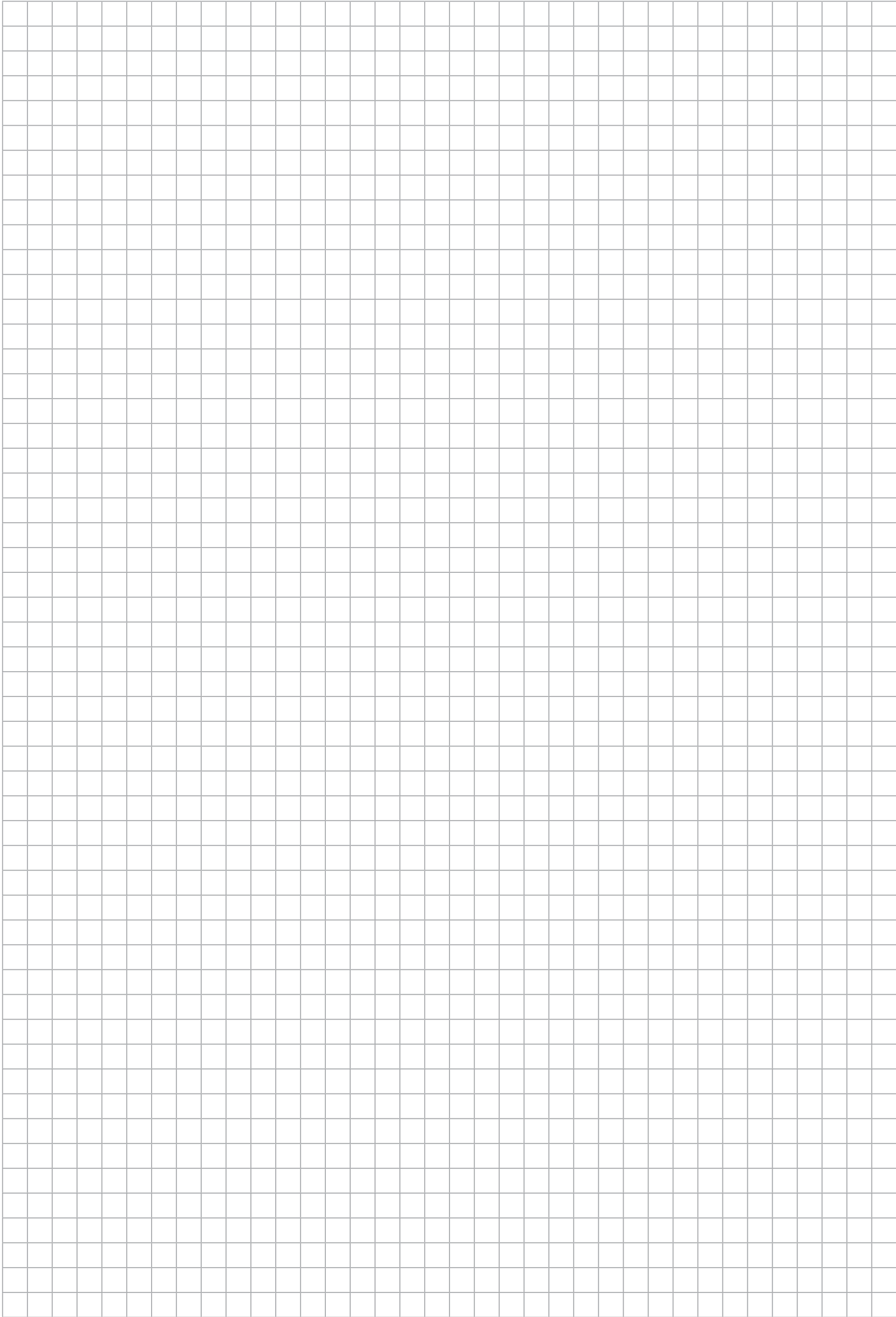
#### We're here for you

If requested, we can take on the planning of your range to meet customer requirements and will be happy to advise you regarding the best selling positions.

#### Assembly

The POS is easy to assemble using the enclosed assembly diagram and is available in the following versions:

- └ Wall system
- └ Counter displays







## **GENERAL INFORMATION**

Explanation of labels	16
Safety	18
Do's & Dont's	19

# SPECIFIC INFORMATION

## DIAMOND

### LABEL



### SPECIFICATION

Example: DCAB\*\*\*-FC / DCABP-FC

1st and 2nd letter	Application	DC	Dry Cutting
3rd and 4th letter	Material	AB	Abrasive materials
		U	Universal
		C	Concrete
		H	Hard stone
		A	Asphalt
		M	Soft stone
		T	Tiles
5th, 6th and 7th letter	Product line		PREMIUM ***
			STANDARD **
			BASIC *
8th and 9th letter	Properties	FC	Fast Cut
		S	Silent
		LL	Long Life

## SHAPES



**1A1R** Continuous cutting rim



**C3** Close spacing, narrow slots with keyhole



**C6** Close spacing, narrow slots with keyhole



**C3S** Close spacing, narrow slots with keyhole  
Oblique protective segments against undercutting effect



**C6R** Turbo layer, Close spacing, narrow slots with keyhole



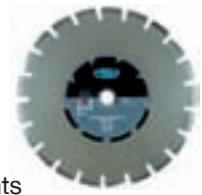
**C1** Wide spacing, wide slots



**C3R** Turbo layer, Close spacing, narrow slots with keyhole



**C1S** Wide spacing, wide slots  
Oblique protective segments against undercutting effect



## COLOR CODES

							
<b>Label</b>	Universal	Concrete	Hard stone	Tiles	Soft stone	Abrasive materials	Asphalt
<b>Color code</b>	yellow	red	blue	green	green	grey	grey
<b>Materials</b>	4 in 1	Concrete	Hard stone	Tiles	Soft stone	Abrasive materials	Asphalt

# SAFETY

## SAFETY INFORMATION

### Pictograms for the safety:



Do not use damaged wheels (damaged, stretched or incorrectly used grinding tools are dangerous and can cause serious injuries)!



Not permitted for side grinding!



Pay attention to the safety recommendations!



Personal safety (use eye protection, use dust mask and use ear protection)!



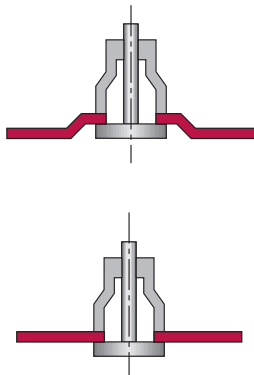
Use gloves!

### Clamping of grinding wheels:

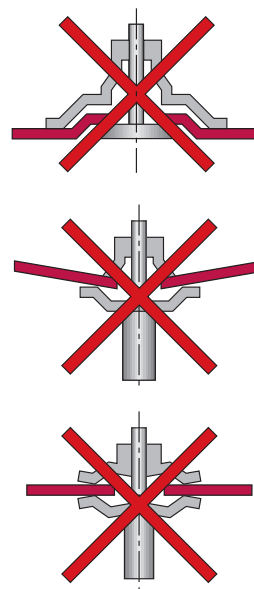
The purpose of the wheel flanges is to transfer drive forces and must therefore be in such a condition that there is no deformation of the wheel flange or products during clamping.

The contact surfaces must be level (flat) and must not show any burring, and the run-out of the grinding wheel must be safeguarded.

**Right:**



**False:**



## DO'S & DONT'S



- DO always Handle & Store wheels in a careful Manner, use Oldest grinding wheels first.
- DO Visually inspect all wheels for cracks or other possible damage before mounting.
- DO
- DO make sure machine speed (RPM) does not exceed the operating speed (max. RPM) marked on the wheel or on the containers.
- DO be sure wheel hole, threaded or unthreaded, fits machine arbor properly and that flanges are clean, flat of equal size and of the proper type for the wheel you are mounting.
- DO use mounting blotters when supplied with wheels.
- DO be sure work rest is properly adjusted on bench, pedestal and floor stand grinder. (should be center of
- DO always use a properly designed safety guard covering at least one half of the grinding wheel.
- DO allow newly mounted wheels to run at operating speed, while standing aside, with guard in place, in a protected area, for at least one minute before grinding.
- DO always wear protective safety glasses and additional eye and face protection if required, or some type of approved eye protection.
- DO consult the MSDS for each product involved in the grinding process.
- DO grind with proper ventilation, employ dust controls and/or protective measures appropriate to the material being ground.
- DO use only on machines designed for raised hub grinding wheels. Never use on sanding machines or pistol grip grinders.
- DO turn off coolant before stopping wheel to avoid creating an out-of-balance condition

- DO humidity, moisture or temperature prior to mounting.
- DO or appears to have been abused.
- DO NEVER exceed maximum operating speed established for the wheel.
- DO surface are not clean, flat and free from burrs.
- DO only enough to hold wheel firmly.
- DO hole cup wheels, cones or plugs.
- DO
- DO one that will.
- DO
- DO properly and securely in place.
- DO a grinder is started.
- DO respiratory and hearing protection especially in enclosed spaces) and personal protective equipment (see pictograms).
- DO designed.
- DO
- DO
- DO
- DO
- DO type 27 wheel) for grinding (no side pressure, please note pictograms on the wheels and read instructions).
- DO





# FLOOR SAWING

[ MACHINES	22
[ TOOLS	32

# FLOOR SAW FSG513 ★★★

CUTTING DEPTHS UP TO 170 MM



User friendly depth of cut setting and simple speed control



Optimised centre of gravity over the cutting shaft



Universal operation with left and right cutting function

- Excellent cutting performance due to intelligent weight distribution
- Easy handling due to ergonomically arranged operating elements
- High load resistance and vibration reduction thanks to robust, high quality chassis
- Increased flexibility due to left and right hand cutting functions as well as corner flush cutting function
- Problem free and safe transport by means of a balanced transport hook
- Optimum tool cooling using reliable water supply
- Service friendly machine construction
- Reliable Honda petrol engine with cyclone filter
- Precise cutting guide using a standard cut indicator
- Maximum safety by using a centrally positioned emergency stop switch and integrated brake

## Technical data

SAW BLADE	
Max. cutting depth	170 mm
Max. saw blade Ø	450 mm
Saw blade speed	2600 1/min
Saw blade uptake Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

DRIVE	
Drive/motor	Petrol
Type	Honda
Power	8.2 kW / 11 PS
Fuel	Lead free
Fuel tank	6.1 l
Engine cooling	Air cooling
Feed	Manual
Blade drive	Via V-belt

DESIGN	
Manual, cutting depth adjustment via spindle	
Cutting depth indicator	
Tool cooling using water fork	
Left and right hand cutting function	
Flush corner cut function	
25 l water tank	

DIMENSIONS & WEIGHT	
Length	1136 mm
Width	578 mm
Height	1016 mm
Weight	113 kg

## System & Accessories

FLOOR SAW FSG513***		
10988800	Floor saw FSG513P incl. water tank kit	
10988500	Floor saw FSG513P	

ACCESSORIES		
10988783	Water tank kit (water tank holder, water tank, hook for transport)	

# FLOOR SAW FSG620★★

CUTTING DEPTHS UP TO 230 MM



Easy handling due to clearly arranged operating elements



Controlled working thanks to digital operating hours counter and reliable petrol gauge



Blade guard side change possible with a few manual operations

- Convenient operation using hydraulic feed drive
- Excellent cutting performance due to intelligent weight distribution
- Additional flexibility due to left and right cutting function
- Problem-free, safe transport using sturdy transport hooks
- Easy, smooth cutting depth adjustment using precise and protected spindle
- Maximum safety due to centrally located emergency stop switch and integrated brake
- Reliable, easy to maintain Honda petrol motor
- Precise cut guidance by standard cut indicator
- Optional fresh concrete set

## Technical data

SAW BLADE	
Max. cutting depth	230 mm
Max. saw blade Ø	600 mm
Saw blade speed	1,590 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

DRIVE	
Drive/motor	Petrol
Type	Honda
Output	15 kW / 20 HP
Fuel	Lead free
Fuel tank	7.6 l
Engine cooling	Air cooling
Feed	Hydraulic
Blade drive	Via V-belt
Feed speed	0-24 m/min.

DESIGN	
Manual, stepless cut depth setting via a spindle	
Tool cooling using water fork	
Left/right cutting function	
19 l water tank	

DIMENSIONS & WEIGHT	
Length	990 mm
Width	570 mm
Height	1,070 mm
Weight	200 kg

## System & accessories

FLOOR SAW FSG620**		
10984041	Floor saw FSG620S	

ACCESSORIES		
10984389	Green concrete kit with 350 mm blade guard and transformation set (3000 rpm)	

# FLOOR SAW HFS811

CUTTING DEPTHS UP TO 320 MM



Transmission gearing guarantees optimum cutting speeds



Easy loading and transportation of the machine by dismantling into individual parts



Cleverly devised transport system makes the equipment easier to use, particularly indoors

- Maximum mobility due to cleverly devised modular design
- Optimum suitability for deployment locations that are difficult to access
- Quick and easy change from left to right cutting
- Smooth cutting depth adjustment using precise and protected spindle
- Maximum safety due to centrally located emergency stop switch and integrated brake
- Precise cut guidance by standard cut indicator
- Optional flush wall cutting kit

## Technical data

SAW BLADE	
Max. cutting depth	320 mm
Max. saw blade Ø	800 mm
Saw blade speed	1,250 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

DRIVE	
Drive/motor	Electric
Output	7.5 kW
Voltage/frequency	400 V / 50 Hz
Engine cooling	Air cooling
Feed	Manual
Blade drive	Via V-belt

DESIGN	
Manual, stepless cut depth setting via a spindle	
Cutting depth indicator	
Tool cooling using flange	
Left/right cutting function	
Corner flush cutting function	

DIMENSIONS & WEIGHT	
Length	1,100 mm
Width	600 mm
Height	980 mm
Weight	158 kg

## System & accessories

FLOOR SAW HFS811		
10981255	Floor saw HFS811	

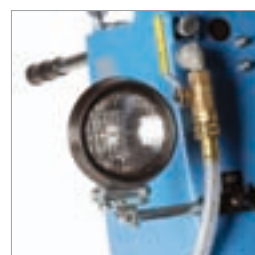
ACCESSORIES		
10978775	Flush cutting flange	
10978776	Protection cover flush cutting flange	

# FLOOR SAW FSD930 ★★

CUTTING DEPTHS UP TO 350 MM



Easy, controlled working thanks to clearly arranged controls



Water regulation for optimum tool cooling, and useful lighting always close by



Machine is exactly aligned using cut indicator

- High productivity and service life due to well-ried and extremely robust design
- Excellent cutting performance due to intelligent weight distribution
- Convenient, ergonomic operation using hydraulic feed drive and electro-hydraulic cutting depth adjustment
- Additional flexibility due to left and right cutting function and corner flush cutting function
- Problem-free, safe transport using sturdy transport hooks
- Service-friendly machine design
- Maximum safety due to centrally located emergency stop switch and integrated brake
- Precise cut guidance from standard cut indicator at front and rear
- Optionally with diesel particle filter, fresh concrete set and transformation set

## Technical data

SAW BLADE	
Max. cutting depth	350 mm
Max. saw blade Ø	900 mm
Saw blade speed	1,165 rpm
Saw blade holder Ø	25.4 mm
Carrier Ø	11.5 mm
Reference circle Ø	57.4 mm

DRIVE	
Drive/motor	Diesel
Type	Deutz
Output	22 kW / 30 HP
Fuel	Diesel
Fuel tank	22.8 l
Engine cooling	Air cooling
Feed	Hydraulic
Blade drive	Via V-belt
Feed speed	0-61 m/min.

DESIGN	
Electro-hydraulic cutting depth adjustment	
Cutting depth indicator	
Tool cooling using water fork	
Left/right cutting function	
Corner flush cutting function	

DIMENSIONS & WEIGHT	
Length	1,280 mm
Width	810 mm
Height	1,180 mm
Weight	612 kg

## System & accessories

FLOOR SAW FSD930**		
10984042	Floor saw FSD930S	

ACCESSORIES		
10984390	Green concrete kit with 450 mm blade guard and transformation set (2300 rpm)	

Diesel particle filter and transformation set on request





## FLOOR SAW BLADES

PREMIUM	34
2in1 PREMIUM	35
BASIC	36



## DIAMOND FLOOR SAW BLADES

### PREMIUM\*\*\* – QUALITY TOOLS FOR MAXIMUM ECONOMIC EFFICIENCY

- Exceptional and consistent cutting performance coupled with a long service life
- Universal use
- Innovative diamond segment design
- Quiet when working on reinforced concrete
- Clean cutting edges
- Assortment: diameters from 300 – 800 mm

### BASIC\* – QUALITY TOOLS FOR UNIVERSAL USE

- Good cutting performance and service life
- Universal use

### SERVICE

- Bores and turning holes for special machines available on request

### INFORMATION / RECOMMENDATIONS

- Optimum application conditions / peripheral speed

Asphalt		55-60m/s
Old concrete	Soft aggregates with little reinforcement	40-50m/s
Old concrete	Hard aggregates	35-45m/s
Green concrete		50-55m/s

- The safety and operating instructions sent with the machine must be observed at all times when using floor saws. The safety manual will be sent to you on request.

### CHOOSING THE CORRECT FLOOR SAW

Select the most appropriate tool to suit both the application and the material.



## PICTOGRAMS



Asphalt



Concrete



**2in1**

Asphalt / Green concrete

## SPECIFICATIONS

Example: FSC\*\*\*

Position 1-2	Program	FS	Floor Saw
Position 3	Application	A	Asphalt
		C	Concrete
Position 4-6	Quality line	***	PREMIUM
		*	BASIC

## SPEED RECOMMENDATIONS

Dia. mm	REVOLUTIONS PER MINUTE (RPM) AT PERIPHERAL SPEED (M/S)						
	30	35	40	45	50	55	60
300	1910	2230	2550	2870	3180	3500	3820
350	1640	1910	2180	2460	2730	3000	3270
400	1430	1670	1910	2150	2390	2630	2870
450	1270	1490	1700	1910	2120	2330	2550
500	1150	1340	1530	1720	1910	2100	2290
600	960	1110	1270	1430	1590	1750	1910
700	820	960	1090	1230	1360	1500	1640
800	720	840	960	1070	1190	1310	1430



# FLOOR SAWS BLADES FOR ASPHALT, CURED CONCRETE AND GREEN CONCRETE

Decades of experience in the production and application of floor saw blades and machines give TYROLIT the edge in the market-place. Suitable for repair and installation work on cables and conduits in asphalt and concrete-surfaced roads as well as cutting expansion grooves in green concrete (surface thicknesses of up to 30 cm and groove depths of up to 8 cm). Works flawlessly with TYROLIT Hydrostress machines.



## PREMIUM★★★

All tools up to a diameter of 600 mm are laser-welded. Equipped with a protective segment to guard against steel core wear in the contact zone – relief grinding. Equipped with measuring bore to allow wear measurements of the diamond segments to be taken at a glance.

FSA★★★ | Machines up to 15 kW | for asphalt


	TYPE NO.	SHAPE	DIA.	WIDTH	BORE	SEGMENT HEIGHT	IN STOCK
	574838	C7SW	300	3.2	25.4	9	•
	574844	C7SW	350	3.2	25.4	9	•
	574845	C7SW	400	3.2	25.4	9	•
	574846	C7SW	450	3.6	25.4	9	•
	574848	C7SW	500	3.6	25.4	9	•
	574850	C7SW	600	3.6	25.4	9	•
	574851	C1S	700	4.2	35/25.4	9	•
	574852	C1S	800	4.2	35/25.4	9	•



 **PREMIUM★★★**

All tools up to a diameter of 600 mm are laser-welded. Equipped with measuring bore to allow wear measurements of the diamond segments to be taken at a glance.


FSC★★★ | Machines up to 15 kW | for cured concrete

	TYPE NO.	SHAPE	DIA.	WIDTH	BORE	SEGMENT HEIGHT	IN STOCK
	574853	C7W	300	3.2	25.4	12	•
	574854	C7W	350	3.2	25.4	12	•
	574855	C7W	400	3.2	25.4	12	•
	574856	C7W	450	3.6	25.4	12	•
	574857	C7W	500	3.6	25.4	12	•
	574858	C7W	600	3.6	25.4	12	•
	574859	C5	700	3.6	35/25.4	12	•
	574860	C5	800	3.9	35/25.4	12	•

 **2in1 PREMIUM★★★**

All tools are laser-welded. Equipped with a protective segment to guard against steel core wear in the contact zone – relief grinding

DCA+C★★★ | Machines up to 15 kW | for asphalt and green concrete

	TYPE NO.	SHAPE	DIA.	WIDTH	BORE	SEGMENT HEIGHT	IN STOCK
	465640	C73SW	300	2.6	20	10	•
	465642	C73SW	350	3	25.4	10	•




# FLOOR SAW BLADES



## BASIC★

All tools are laser-welded. Equipped with a protective segment to guard against steel core wear in the contact zone – relief grinding

DCA★ | Machines up to 15 kW | for asphalt


	TYPE NO.	SHAPE	DIA.	WIDTH	BORE	SEGMENT HEIGHT	IN STOCK
	465650	C1SW	300	2.8	25.4	10	•
	465652	C1SW	350	3	25.4	10	•
	529402	C1SW	400	3.2	25.4	10	•
	529403	C1SW	450	3.6	25.4	10	•

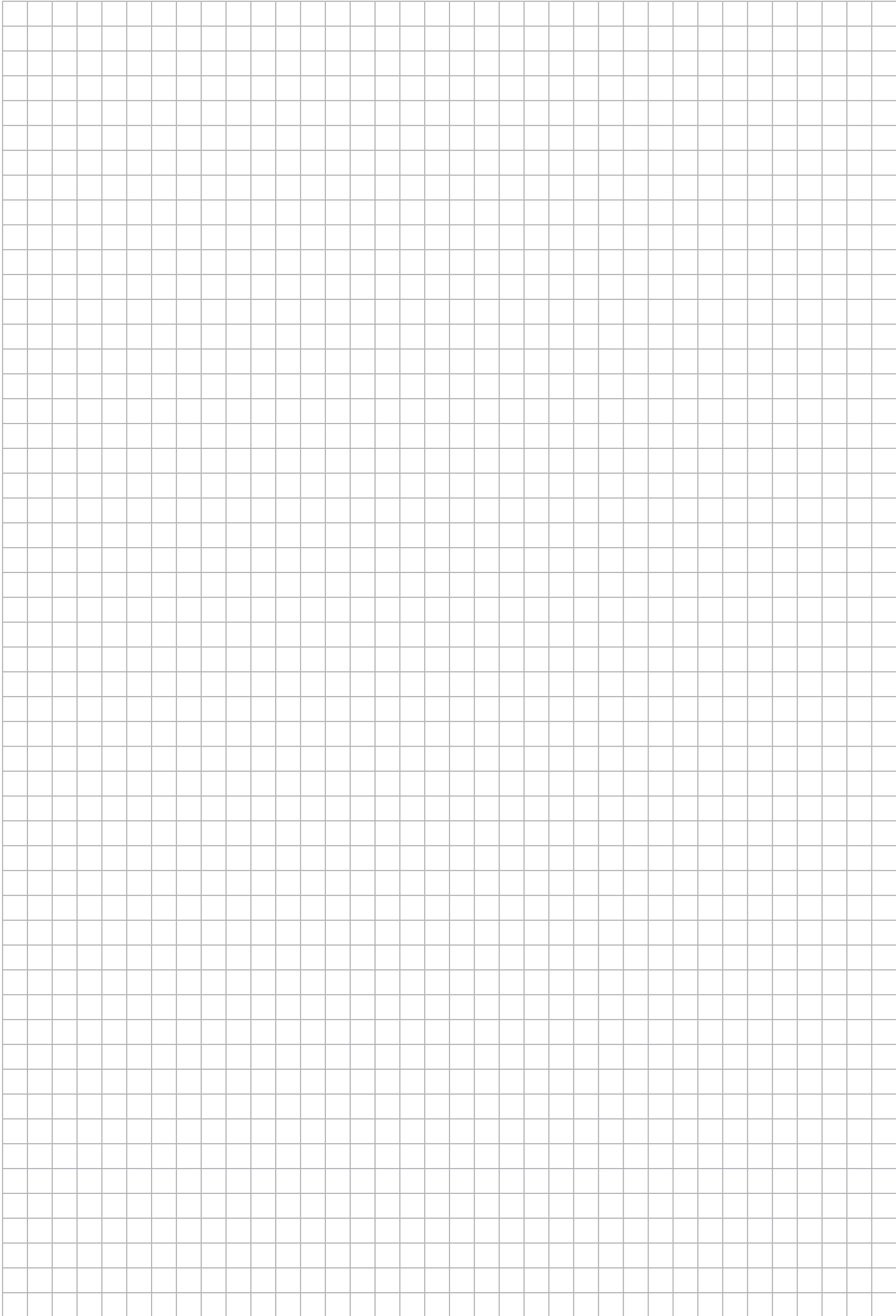


## BASIC★

All tools are laser-welded.

DCU★ | Machines up to 15 kW | for concrete

	TYPE NO.	SHAPE	DIA.	WIDTH	BORE	SEGMENT HEIGHT	IN STOCK
	466095	C3W	300	2.6	25.4	10	•
	466099	C3W	350	3	25.4	10	•
	529399	C3W	400	3.2	25.4	10	•
	529401	C3W	450	3.6	25.4	10	•







# CORE DRILLING

[ MACHINES	40
[ TOOLS	52

# CORE DRILLING SYSTEM DRS160★★

CORE DRILLING UP TO Ø 160 MM



Operate in optimum power range using LED-indicators



1 gear for drill diameter up to 160 mm



Space saving fixing using dowel feet

- The ideal core borer entry model
- Optimal in-line solution consisting of drill motor and drilling rig
- Easiest operation using preset rotational speeds and compact lightweight construction
- Controlled operation and avoidance of overloading using LED based electronic load indicator
- Maximum safety using integrated PRCD-Personal safety switch
- Increased flexibility due to optional vacuum securing devise

## Technical data

DRILL RIG DRS160**	
Bore hole diameter	40 – 160 mm
Max. drill bit length	590 mm

DESIGN	
Aluminium dowel foot	
Feed using hand crank	
Adjustable feet (M12)	
1 handle	
Motor fixed integrated	

DIMENSIONS & WEIGHT	
Length	220 mm
Width	180 mm
Height	910 mm
Weight (Core drilling system)	18 kg

DRILL MOTOR (SYSTEM INTEGRATED)	
Drill diameter range in concrete ca.	40 – 160 mm
Nominal power	2.2 kW
Nominal current	16 A
Nom. voltage/frequency standard	230V / 50Hz
Nom. voltage/frequency optional	110V / 60Hz
Load speed	546 1/min
No load speed	780 1/min
Cooling	Air cooling
Tool attachment external thread	1 ¼"
Tool attachment internal thread	½"
Operation	Drill rig operation
Application	Wet
Electronic overload cut-out	
Mechanical overload cut-out	
LED power indicator	
PRCD protective switch	

## System & Accessories

CORE DRILLING SYSTEM DRS160**		
10983916	Anchor drill rig system DRS160S / 230V	
10983919	Anchor drill rig system DRS160S / 110V	

ACCESSORIES		
10984508	Vacuum plate DRS160S	
975381	Vacuum hose 3 m complete	
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU	
974270	Extraction device for core bits	
977353	Extraction device for cores	
10977252	Drill Guide P803+	
10986534	Water tank 10 l	

# CORE DRILLING SYSTEM DRU160★★★

CORE DRILLING UP TO Ø 160 MM



## Technical data

DRILL RIG DRU160***	
Drill diameter range	15 – 160 mm
Max. drill diameter with water collecting ring	130 mm
Max. drill bit length	560 mm

## DESIGN

Aluminium dowel vacuum foot
Feed using hand crank
Diagonal adjustment 90°-45°
Centre indicator
Angle indicator
Spirit level
Adjustable feet (M12)
Adjustable and interchangeable roller guides
2 handles
Clamping collar Ø 60 mm

## DIMENSIONS & WEIGHT

Length	400 mm
Width	200 mm
Height	866 mm
Weight	9 kg

- The light weight under the drill rigs up to Ø 160 mm
- Precision drilling using optimised support with stable roller guide
- Rapid assembly of popular drill motors using standard clamping collar system
- Time saving drilling rig using a centre indicator, angle indicator and spirit level
- Convenient operation using user friendly hand crank
- Maximum flexibility using either dowel or vacuum attachment facility
- Simplified set-up tasks and utilisation of the entire drill bit length due to well thought out system assembly



Precise operation using high quality support with stable roller guidance



Universal operating range thanks to diagonal adjustment 90°-45°



Efficient drill rig set-up using standard centralisation indicator

## System recommendation

CORE DRILLING SYSTEM DRU160***	
10987400	Drill rig DRU160P
10981445	El. drill motor DME20CWP
976014	Vacuum set
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU
975381	Vacuum hose 3 m complete

## Accessories

ACCESSORIES	
976014	Vacuum set
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU
975372	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz CH
975381	Vacuum hose 3 m complete
977394	Quick grip device 1,7 - 3,1 m
977448	Clamp for quick grip device 1,7 - 3,1 m
977593	Fastening bolt assembly for vacuum base
977614	Fastening bolt assembly (masonry); for vacuum base
976136	Water retention ring complete Ø 70 mm
976134	Water retention ring complete Ø 130 mm
977437	Water retention ring holder; with centering device
977348	Gasket Ø 70 mm
976128	Gasket Ø 130 mm
974270	Extraction device for core bits
977353	Extraction device for cores
10977252	Drill Guide P803+
976616	Tool bag
10986534	Water tank 10 l

## Drill motors

	DME20CW***	DME20PU***	DME22SU***
Drill diameter range in concrete approx.	20-180 mm	20-180 mm	20-150 mm
Nominal power	2 kW	2 kW	2.2 kW
Nominal current	9.3 A	9.3 A	10 A
Nom. voltage/frequency	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Load speed	540/1200/2520 1/min	540/1200/2520 1/min	530/1280/1780 1/min
No load speed	900/1900/3900 1/min	900/1900/3900 1/min	750/1800/2500 1/min
Cooling	Air cooling	Air cooling	Air cooling
Tool attachment external thread	1 ¼"	1 ¼"	1 ¼"
Tool attachment internal thread	½"	½"	
Operation	Drill rig operation	Hand operation / drill rig operation	Hand operation / drill rig operation
Application	Wet	Wet / dry	Wet / dry
Electronic overload cut-out	•	•	•
Mechanical overload cut-out	•	•	•
PRCD protective switch	•	•	•
Clamping collar	60 mm	60 mm	60 mm
Weight	5.9 kg	6.3 kg	8.9 kg

# CORE DRILLING SYSTEM DRU250\*\*\* / DRA250\*\*\*

CORE DRILLING UP TO Ø 250 MM



## Technical data

DRILL RIG	DRA250***	DRU250***
Drill diameter range	40 – 250 mm	
Max. drill diameter with water collecting ring		200 mm
Max. drill bit length	600 mm	582 mm

## DESIGN

Aluminium dowel vacuum foot (DRU250***)		
Steel dowel foot (DRA250***)		
Two speed feed gearbox $i=1:1$ & $i=1:3,5$		
Feed using hand crank		
Diagonal adjustment $90^\circ-45^\circ$		
Centre indicator (DRU250***)		
Angle indicator		
Spirit level		
Adjustable feet (M12)		
Adjustable and interchangeable roller guides		
Handle	1	2
ModulDrill quick change clamping system		

## DIMENSIONS & WEIGHT

Length	305 mm	447 mm
Width	205 mm	250 mm
Height	933 mm	908 mm
Weight	17 kg	14 kg



ModulDrill quick change clamping system – fast, simple and safe drill motor attachment



Fatigue free, ergonomic operation using fine feed operation ( $i= 1:3,5$ )



Drilling in very restricted space using steel dowel feet

- Impressive stability and drilling performance by means of rigid manufacture and robust drilling columns-wide gear teeth
- Precision drilling thanks to optimised support with stable roller guides
- Problem free transport together with easy assembly and dismantling due to compact lightweight construction
- Fast and safe attachment of drill motor using the successful ModulDrill quick change clamping system
- Easy operation with two speed feed gearbox as well as user friendly hand crank
- Simple drilling of diagonal bores using integrated angle indicator
- Maximum flexibility using dowel or vacuum attachment facility

## System recommendation

CORE DRILLING SYSTEM DRA250***	
10987500	Drill rig DRA250P
964388	El. drill. motor DME24MWP
977619	Fastening bolt assembly
ACCESSORIES	
975378	Vacuum plate complete
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU
975372	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device 1,7 - 3,1 m
977448	Clamp for quick grip device 1,7 - 3,1 m
977619	Fastening bolt assembly
977464	ModulDrill mounting plate
974270	Extraction device for core bits
977353	Extraction device for cores
10977252	Drill Guide P803+
977392	Trolley chassis
967588	Tool bag
10986534	Water tank 10 l

## System recommendation

CORE DRILLING SYSTEM DRU250***	
10984500	Drill rig DRU250P
964388	El. drill. motor DME24MWP
960795	Vacuum set
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU
975381	Vacuum hose 3 m complete
ACCESSORIES	
960795	Vacuum set
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU
975372	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz CH
975381	Vacuum hose 3 m complete
961614	Ceiling prop
977394	Quick grip device 1,7 - 3,1 m
977448	Clamp for quick grip device 1,7 - 3,1 m
977593	Fastening bolt assembly for vacuum base
977614	Fastening bolt assembly (masonry); for vacuum base
977464	ModulDrill mounting plate
10988902	Water retention ring complete Ø 200 mm
960785	Water retention ring holder; with centering device
960693	Gasket Ø 200 mm
974270	Extraction device for core bits
977353	Extraction device for cores
10977252	Drill Guide P803+
977392	Trolley chassis
967588	Tool bag
10986534	Water tank 10 l

## Drill motors

	DME24MW***	DME24UW***	DME32UW***
Drill diameter range in concrete ca.	40-250 mm	40-250 mm	55-350 mm
Nominal power	2.4 kW	2.4 kW	3.2 kW
Nominal current	11.5 A	11.5 A	15 A
Nom. voltage/frequency	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Load speed	300/640/960 1/min	300/640/960 1/min	230/480/720 1/min
No load speed	550/1120/1680 1/min	550/1120/1680 1/min	420/820/1250 1/min
Cooling	Air cooling	Air cooling	Air cooling
Tool attachment external thread	1 ¼"	1 ¼"	1 ¼"
Operation	Drill rig operation	Drill rig operation	Drill rig operation
Application	Wet	Wet	Wet
Electronic overload cut-out	•	•	•
Mechanical overload cut-out	•	•	•
PRCD protective switch	•	•	•
Universal plate		•	•
ModulDrill	•		
ModulDrill mounting plate		Optional	Optional
Weight	11.9 kg	11.9 kg	11.9 kg

# CORE DRILLING SYSTEM DRA400\*\*\* / DRU400\*\*\*

CORE DRILLING UP TO Ø 400 MM



## Technical data

DRILL RIG	DRA400***	DRU400***
Drill diameter range	50 – 250 mm	
Max. drill diameter with distance plate 180 mm	400 mm	400 mm (250 mm*)
Max. drill diameter with water collecting ring		250 mm
Max. drill bit length	746 mm	737 mm

\* with vacuum fixing

## DESIGN

Aluminium dowel vacuum foot (DRU400\*\*\*)

Steel dowel foot (DRA400\*\*\*)

Two speed feed gearbox  $i=1:1$  &  $i=1:3,5$

Feed using hand crank

Diagonal adjustment  $90^\circ-45^\circ$

Centre indicator (DRU400\*\*\*)

Angle indicator

Spirit level

Adjustable feet (M12)

Adjustable and interchangeable roller guides

Handle	1	2
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ModulDrill quick change clamping system

## DIMENSIONS & WEIGHT

Length	305 mm	507 mm
Width	205 mm	300 mm
Height	1,055 mm	1,063 mm
Weight	19 kg	18 kg

- The professional core drilling system for a versatile range of applications
- Precision drilling using optimised support with stable guide rollers
- Problem free transport together with easy assembly and dismantling by use of compact lightweight construction
- Fast and safe attachment of drill motor using the successful ModulDrill quick change clamping system
- Easy operation with two speed feed gearbox as well as user friendly hand crank
- Time saving drilling rig using a centre indicator, angle indicator and spirit level
- Maximum flexibility using dowel or vacuum attachment facility



Trouble free adjustable and interchangeable, low wear roller guides



Simple drilling of diagonal holes using angle indicator roller guides



Vacuum fixing – Drilling without dowel fixing

## System recommendation

CORE DRILLING SYSTEM DRA400***		
10987600	Drill rig DRA400P	
963967	El. drill. motor DME32MWP	
964906	ModulDrill distance plate Ø +180 mm	
977619	Fastening bolt assembly	
ACCESSORIES		
975378	Vacuum plate complete	
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU	
975372	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz CH	
975381	Vacuum hose 3 m complete	
961614	Ceiling prop	
977394	Quick grip device 1,7 - 3,1 m	
977448	Clamp for quick grip device 1,7 - 3,1 m	
977619	Fastening bolt assembly	
964906	ModulDrill distance plate Ø +180 mm	
977464	ModulDrill mounting plate	
974270	Extraction device for core bits	
977353	Extraction device for cores	
10977252	Drill Guide P803+	
977392	Trolley chassis	
967588	Tool bag	
10986534	Water tank 10 l	

## System recommendation

CORE DRILLING SYSTEM DRU400***		
10984600	Drill rig DRU400P	
963967	El. drill. motor DME32MWP	
977368	Vacuum plate	
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU	
975381	Vacuum hose 3 m complete	
ACCESSORIES		
977368	Vacuum plate	
984035	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz EU	
975372	Vacuum pump CV 45 l/min., 0.8 bar; 220/50Hz CH	
975381	Vacuum hose 3 m complete	
961614	Ceiling prop	
977394	Quick grip device 1,7 - 3,1 m	
977448	Clamp for quick grip device 1,7 - 3,1 m	
977593	Fastening bolt assembly for vacuum base	
977614	Fastening bolt assembly (masonry); for vacuum base	
964906	ModulDrill distance plate Ø +180 mm	
977464	ModulDrill mounting plate	
10988898	Water retention ring complete Ø 250 mm	
977438	Water retention ring holder complete	
977447	Gasket Ø 250 mm	
974270	Extraction device for core bits	
977353	Extraction device for cores	
10977252	Drill Guide P803+	
977392	Trolley chassis	
967588	Tool bag	
10986534	Water tank 10 l	

## Drill motors

	DME32MW***	DME32UW***	DME34UW***
Drill diameter range in concrete ca.	55-350 mm	55-350 mm	50-300 mm
Nominal power	3.2 kW	3.2 kW	3.4 kW
Nominal current	15 A	15 A	16 A
Nom. voltage/frequency	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Load speed	230/480/720 1/min	230/480/720 1/min	320/760 1/min
No load speed	420/820/1250 1/min	420/820/1250 1/min	490/1160 1/min
Cooling	Air cooling	Air cooling	Air cooling
Tool attachment external thread	1 ¼"	1 ¼"	1 ¼"
Operation	Drill rig operation	Drill rig operation	Drill rig operation
Application	Wet	Wet	Wet
Electronic overload cut-out	•	•	•
Mechanical overload cut-out	•	•	•
PRCD protective switch	•	•	•
Universal plate		•	•
ModulDrill	•		
ModulDrill mounting plate		Optional	Optional
Weight	11.9 kg	11.9 kg	12.5 kg





# ELECTRIC DRILL MOTORS

## SINGLE-PHASE

	UP TO 1,6 kW		UP TO 1,8 kW		UP TO 2,0 kW		UP TO 2,4 kW
							
Drill motor	DME16PW***		DME18SD***		DME20PU***		DME24PU***
Voltage variations	230 V / 50 HZ	110 V / 60 HZ	230 V / 50 HZ	110 V / 60 HZ	230 V / 50 HZ	110 V / 60 HZ	230 V / 50 HZ
Type no.	977607	967368	10981131	10981133	10981443	10981730	10981444
Drill diameter range in concrete ca.	15-130 mm		30-162 mm	25-130 mm	20-180 mm		20-180 mm
Nominal power	1,6 kW		1,8 kW	1,7 kW	2 kW		2,4 kW
Nominal current	7,5 A	15 A	8,4 A	15 A	9,3 A	18,6 A	9,3 A
Nominal voltage/frequency	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz	110 V / 60 Hz	230 V / 50 Hz
Load speed	580/1400/2900 1/min		920 1/min	1050 1/min	540/1200/2520 1/min		540/1200/2520 1/min
No load speed	1000/2300/4700 1/min		1300 1/min		900/1900/3900 1/min		900/1900/3900 1/min
Cooling	Air cooling		Air cooling		Air cooling		Air cooling
Tool attachment external thread	1 1/4"		5/8"		1 1/4"		1 1/4"
Tool attachment internal thread	1/2"		1/2"		1/2"		1/2"
Operation	Hand operation / drill rig operation		Hand operation / drill rig operation		Hand operation / drill rig operation		Hand operation / drill rig operation
Application	Wet		Dry		Wet / dry		Wet / dry
Electronic overload cut-out	•		•		•		•
Mechanical overload cut-out	•		•		•		•
PRCD protective switch	•		•		•		•
Clamping collar	60 mm		60 mm		60 mm		60 mm
Universal plate							
ModulDrill							
ModulDrill mounting plate							
Weight	5,9 kg		4,6 kg		6,3 kg		6,3 kg

### ACCESSORIES

400439	Extension 1/2" 100 mm	•			•	
359475	Extension 1/2" 200 mm	•			•	
359476	Extension 1/2" 300 mm	•			•	
889232	Extension 1/2" 400 mm	•			•	
707230	Extension 1/2" 500 mm	•			•	
378198	Extension 1 1/4" 100 mm	•			•	
359471	Extension 1 1/4" 200 mm	•			•	
359472	Extension 1 1/4" 300 mm	•			•	
359473	Extension 1 1/4" 400 mm	•			•	
359474	Extension 1 1/4" 500 mm	•			•	
969138	Adaptor 1 1/4" inside - 1/2" inside					
969148	Adaptor 1 1/4" outside - 1/2" outside					
850026	Adaptor 5/8" inside - M16 outside			•		
10983964	Dry drilling adaptor VDA116 (M16 - M16)			•		
10983592	Dry drilling adaptor VDA114 (5/8" - 1 1/4")			•		
10983845	Center drill bit 120 mm (for VDA116)			•		
10986189	Center drill bit 233 mm (for VDA116)			•		
10985334	Center drill bit 250 mm (for VDA114)			•		
10986190	Strap wrench (for VDA116)			•		
963339	Anti friction element for 1 1/4"; max. 2,4 kW	•			•	
964391	Anti friction element for 1 1/4"; max. 5,2 kW					
974984	Supporting ring alu 1 1/4"	•			•	

UP TO 2,0 kW		UP TO 2,2 kW				UP TO 2,4 kW			
									
<b>DME20CW***</b>		<b>DME20PW***</b>		<b>DME22SU***</b>		<b>DME24MW***</b>		<b>DME24UW***</b>	
230 V / 50 HZ	110 V / 60 HZ	230 V / 50 HZ	110 V / 60 HZ	230 V / 50 HZ	110 V / 60 HZ	230 V / 50 HZ	110 V / 60 HZ	230 V / 50 HZ	110 V / 60 HZ
10982445		10980597	10980598	10984007	10984008	964388	10983861	967376	967373
20-180 mm		20-180 mm		20-150 mm		40-250 mm		40-250 mm	
2 kW		2 kW		2,2 kW	2 kW	2,4 kW		2,4 kW	
18,6 A		9,3 A	18,6 A	10 A	18 A	11,5 A	23 A	11,5 A	23 A
230 V / 50 HZ	110 V / 60 HZ	230 V / 50 HZ	110 V / 60 HZ	230 V / 50 HZ	110 V / 60 HZ	230 V / 50 HZ	110 V / 60 HZ	230 V / 50 HZ	110 V / 60 HZ
1200/2520 1/min		540/1200/2520 1/min		530/1280/1780 1/min	570/1380/1920 1/min	300/640/960 1/min		300/640/960 1/min	
1900/3900 1/min		900/1900/3900 1/min		750/1800/2500 1/min	770/1860/2580 1/min	550/1120/1680 1/min		550/1120/1680 1/min	
Air cooling		Air cooling		Air cooling		Air cooling		Air cooling	
1 ¼"		1 ¼"		1 ¼"		1 ¼"		1 ¼"	
½"		½"							
Drill rig operation		Hand operation / drill rig operation		Hand operation / drill rig operation		Drill rig operation		Drill rig operation	
Wet		Wet		Wet / dry		Wet		Wet	
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•		•		•		•		•	
		•		•		•		•	
60 mm		60 mm		60 mm				•	
						•			
								Optional	
5,9 kg		5,9 kg		8,9 kg		11,9 kg		11,9 kg	

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## **DIAMOND DRILL BITS**

<b>WET DRILL BITS</b>	<b>52</b>
PREMIUM	54
STANDARD	57
<b>DRY DRILL BITS</b>	<b>60</b>
PREMIUM	62



# WET DRILL BITS

## PREMIUM\*\*\* – QUALITY TOOLS FOR MAXIMUM ECONOMIC EFFICIENCY

- Exceptional and consistent drilling speed
- Long service life
- Universal use
- Innovative diamond segment design
- Smooth running on reinforcements
- Roof-shaped segments with “easy drilling” zone allow the drill bit to be centred easily and guarantee optimum drilling performance from the very start
- Easy core removal
- Consistent quality for safety and reliability

## STANDARD\*\* – QUALITY TOOLS FOR EVERYDAY USE

- Excellent drilling performance, tailored to meet everyday needs
- Universal use
- Lasting quality and safety

## SERVICE

- Products for concrete (asphalt, masonry, steel and special applications on request)
- Mountings and connection threads available to comply with local standards and tailored to suit all types of motors (electric, hydraulic)
- Perfect system solution in conjunction with TYROLIT Hydrostress drill motors and drill rigs
- Extensive range of accessories available
- One-off dimensions and individual solutions available on request
- We will be pleased to provide technical support and system solutions for special construction sites

## INFORMATION / RECOMMENDATIONS

- Highest levels of performance at peripheral speeds of 2-3 m/s on concrete (1.2-1.8 m/s on reinforced concrete, 3.2-3.8 m/s on very abrasive materials)
- The correct drill rig mounting is essential
- The correct coolant quantity is also important for the optimum drilling performance (“milky” consistency of the water)
- The machine safety and user instructions must be read and understood before starting work. The drilling safety manual will be sent to you on request

## SPECIFICATONS

Example: CDL\*\*\*

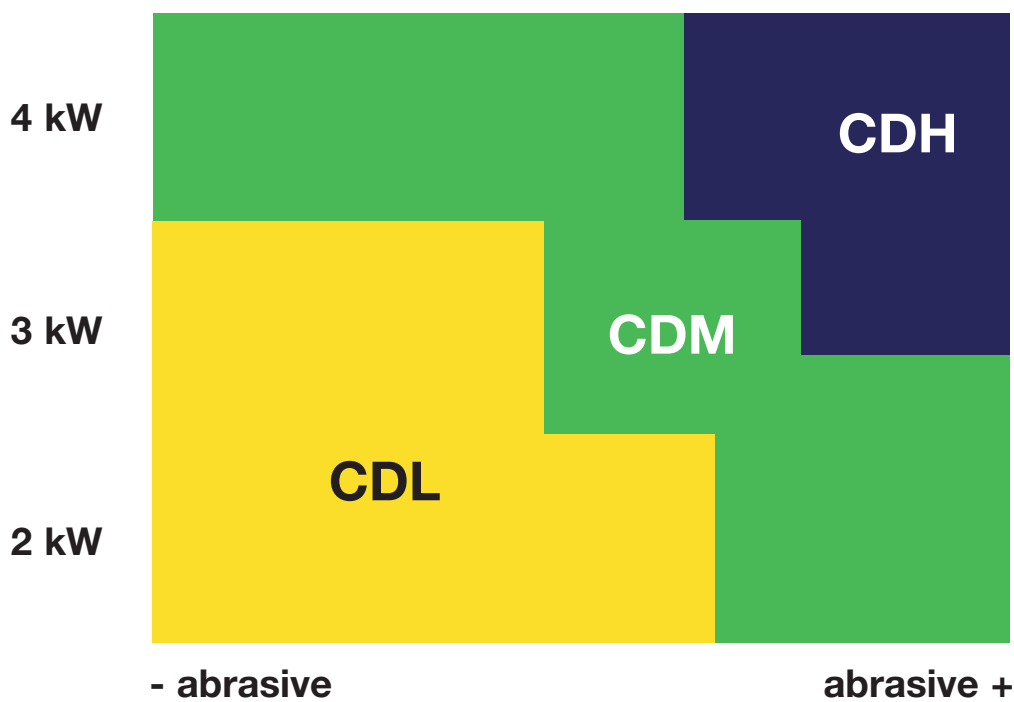
Position 1-2	Program	CD	Core Drilling
Position 3	Machine-tool output	L	Low Power
		M	Medium Power
		H	High Power
Position 4-6	Quality line	***	PREMIUM
		**	STANDARD



**SPEED RECOMMENDATIONS**

DIAMETER	RPM		DRIVE POWER			COOLANT QUANTITY
	Concrete (2 – 3 m/s)	Reinforced concrete (1.2 – 1.8 m/s)	kW			l/min
mm	rpm	rpm				
20	1900 – 2900	1150 – 1700	1	2		0.5 – 1
30	1300 – 1900	750 – 1150				1 – 2
40	950 – 1450	570 – 860		3		2 – 3
52	750 – 1100	440 – 660				3 – 4
62	620 – 950	370 – 550			6 – 8	4 – 5
72	550 – 800	320 – 480				6 – 8
82	475 – 700	280 – 420				8 – 12
107	360 – 550	220 – 340				8 – 12
122	320 – 480	190 – 280				
142	270 – 400	160 – 240				
162	240 – 350	140 – 210				
182	210 – 320	120 – 190				
212	180 – 270	110 – 160				
250	150 – 230	100 – 140				
300	130 – 190	80 – 120				
400	100 – 140	60 – 90				
500	70 – 120	45 – 70				

**SELECTING THE CORRECT CORE DRILL BIT**





## WET DRILL BITS

Decades of experience in the production and application of core drill bits and drills give TYROLIT the edge in the marketplace. As a result our products can be viewed as innovative solutions for large-scale projects while remaining cost-effective for everyday construction site use. Especially suited to drilling reinforced or normal concrete. Can be operated on a drill rig or by hand. TYROLIT core drill bits are designed to work flawlessly with TYROLIT Hydrostress machines.



## PREMIUM★★★

Quality tools for the most demanding applications and maximum economic efficiency. Excellent and consistent performance, universal use and smooth core removal.


### CDL★★★

	TYPE NO.	SHAPE	DIA.	LENGTH	CONNECTION	IN STOCK
	474990	HOHL3	15	400	R1/2"	
	474991	HOHL3	16	400	R1/2"	
	474993	HOHL3	18	400	R1/2"	•
	474995	HOHL3	20	400	R1/2"	•
	474997	HOHL3	22	400	R1/2"	•
	475000	HOHL3	24	400	R1/2"	•
	475009	HOHL3	25	400	R1/2"	•
	475010	HOHL3	28	400	R1/2"	•
	475011	HOHL3	30	400	R1/2"	•
	475012	HOHL3	32	400	R1/2"	•
	475014	HOHL3	37	450	R1/2"	•
	475015	HOHL3	40	450	R1/2"	•
	475016	HOHL3	42	450	R1/2"	•
	605660	HOHL1D	47	450	11/4"	
	605663	HOHL1D	52	450	11/4"	•
	607062	HOHL1D	52	450	PIXIE	
	605664	HOHL1D	57	450	11/4"	
	605665	HOHL1D	62	450	11/4"	•
	607063	HOHL1D	62	450	PIXIE	
	605666	HOHL1D	67	450	11/4"	
	605668	HOHL1D	72	450	11/4"	•
	607064	HOHL1D	72	450	PIXIE	
	605670	HOHL1D	82	450	11/4"	•
	607066	HOHL1D	82	450	PIXIE	
	605673	HOHL1D	92	450	11/4"	•
	607069	HOHL1D	92	450	PIXIE	
	606480	HOHL1D	102	450	11/4"	•
	607070	HOHL1D	102	450	PIXIE	
	606496	HOHL1D	107	450	11/4"	•
	606499	HOHL1D	112	450	11/4"	•
	607071	HOHL1D	112	450	PIXIE	
	606500	HOHL1D	122	450	11/4"	•



	TYPE NO.	SHAPE	DIA.	LENGTH	CONNECTION	IN STOCK
	607073	HOHL1D	122	450	PIXIE	
	606501	HOHL1D	127	450	11/4"	
	606481	HOHL1D	132	450	11/4"	•
	607075	HOHL1D	132	450	PIXIE	
	606503	HOHL1D	142	450	11/4"	
	607076	HOHL1D	142	450	PIXIE	
	606504	HOHL1D	152	450	11/4"	•
	607077	HOHL1D	152	450	PIXIE	
	606505	HOHL1D	162	450	11/4"	•
	607079	HOHL1D	162	450	PIXIE	
	606506	HOHL1D	172	450	11/4"	
	607080	HOHL1D	172	450	PIXIE	
	606508	HOHL1D	182	450	11/4"	•
	607082	HOHL1D	182	450	PIXIE	
	606510	HOHL1D	202	450	11/4"	•
	607083	HOHL1D	202	450	PIXIE	
	606511	HOHL1D	212	450	11/4"	
	606512	HOHL1D	250	450	11/4"	•
	607084	HOHL1D	250	450	PIXIE	
	606514	HOHL1D	300	450	11/4"	
	606516	HOHL1D	350	450	11/4"	
	606517	HOHL1D	400	450	11/4"	
	606518	HOHL1D	450	450	11/4"	
	606520	HOHL1D	500	450	11/4"	

CDM★★★

	TYPE NO.	SHAPE	DIA.	LENGTH	CONNECTION	IN STOCK
	606482	HOHL1D	47	450	11/4"	
	606527	HOHL1D	52	450	11/4"	•
	607085	HOHL1D	52	450	PIXIE	
	606530	HOHL1D	57	450	11/4"	
	606485	HOHL1D	62	450	11/4"	•
	607086	HOHL1D	62	450	PIXIE	
	606536	HOHL1D	67	450	11/4"	
	606541	HOHL1D	72	450	11/4"	•
	607087	HOHL1D	72	450	PIXIE	
	606542	HOHL1D	82	450	11/4"	•
	607088	HOHL1D	82	450	PIXIE	
	606543	HOHL1D	92	450	11/4"	•
	607089	HOHL1D	92	450	PIXIE	
	606488	HOHL1D	102	450	11/4"	•
	607090	HOHL1D	102	450	PIXIE	
	606546	HOHL1D	107	450	11/4"	•
	606550	HOHL1D	112	450	11/4"	•
	607091	HOHL1D	112	450	PIXIE	
	606553	HOHL1D	122	450	11/4"	•
	607092	HOHL1D	122	450	PIXIE	
	606557	HOHL1D	127	450	11/4"	
	606490	HOHL1D	132	450	11/4"	•
	607094	HOHL1D	132	450	PIXIE	
	606562	HOHL1D	142	450	11/4"	
	607095	HOHL1D	142	450	PIXIE	
	606565	HOHL1D	152	450	11/4"	•
	607098	HOHL1D	152	450	PIXIE	
	606566	HOHL1D	162	450	11/4"	•
607099	HOHL1D	162	450	PIXIE		



# CORE DRILLING

	TYPE NO.	SHAPE	DIA.	LENGTH	CONNECTION	IN STOCK	
	606568	HOHL1D	172	450	11/4"		
	607100	HOHL1D	172	450	PIXIE		
	606570	HOHL1D	182	450	11/4"	•	
	607101	HOHL1D	182	450	PIXIE		
	606572	HOHL1D	202	450	11/4"	•	
	607102	HOHL1D	202	450	PIXIE		
	606573	HOHL1D	212	450	11/4"		
	606575	HOHL1D	250	450	11/4"	•	
	607103	HOHL1D	250	450	PIXIE		
	606576	HOHL1D	300	450	11/4"		
	606577	HOHL1D	350	450	11/4"		
	606579	HOHL1D	400	450	11/4"		
	606580	HOHL1D	450	450	11/4"		
	606581	HOHL1D	500	450	11/4"		

## CDH★★★★

	TYPE NO.	SHAPE	DIA.	LENGTH	CONNECTION	IN STOCK	
	624510	HOHL1D	52	450	11/4"		
	624512	HOHL1D	62	450	11/4"		
	624514	HOHL1D	72	450	11/4"		
	624296	HOHL1D	82	450	11/4"		
	624299	HOHL1D	92	450	11/4"		
	624524	HOHL1D	102	450	11/4"		
	624526	HOHL1D	112	450	11/4"		
	624527	HOHL1D	122	450	11/4"		
	624300	HOHL1D	132	450	11/4"		
	624422	HOHL1D	152	450	11/4"		
	624423	HOHL1D	162	450	11/4"		
	624425	HOHL1D	182	450	11/4"		
	624517	HOHL1D	202	450	11/4"		
	624519	HOHL1D	250	450	11/4"		



# STANDARD★★

Quality tools for everyday use. An impressive balance between drilling speed and service life. Universal use, lasting quality.

## CDL★★



	TYPE NO.	SHAPE	DIA.	LENGTH	CONNECTION	IN STOCK
	475019	HOHL3	32	400	R1/2"	•
	475024	HOHL3	42	450	R1/2"	•
	466842	HOHL1D	52	450	11/4"	•
	466843	HOHL1D	62	450	11/4"	•
	466844	HOHL1D	72	450	11/4"	•
	466845	HOHL1D	82	450	11/4"	•
	466846	HOHL1D	92	450	11/4"	•
	466847	HOHL1D	102	450	11/4"	•
	466848	HOHL1D	107	450	11/4"	•
	466849	HOHL1D	112	450	11/4"	•
	466850	HOHL1D	122	450	11/4"	•
	466852	HOHL1D	127	450	11/4"	•
	466853	HOHL1D	132	450	11/4"	•
	500056	HOHL1D	142	450	11/4"	
	466854	HOHL1D	152	450	11/4"	•
	466855	HOHL1D	162	450	11/4"	•
	466856	HOHL1D	182	450	11/4"	•
	466857	HOHL1D	202	450	11/4"	•
	466858	HOHL1D	250	450	11/4"	•



# CORE DRILLING

## CDM★★

	TYPE NO.	SHAPE	DIA.	LENGTH	CONNECTION	IN STOCK
	466887	HOHL1D	52	450	11/4"	•
	476408	HOHL1D	52	450	PIXIE	
	466888	HOHL1D	62	450	11/4"	•
	466889	HOHL1D	72	450	11/4"	•
	466890	HOHL1D	82	450	11/4"	•
	476438	HOHL1D	82	450	PIXIE	
	466891	HOHL1D	92	450	11/4"	•
	466892	HOHL1D	102	450	11/4"	•
	476440	HOHL1D	102	450	PIXIE	
	466893	HOHL1D	107	450	11/4"	•
	466894	HOHL1D	112	450	11/4"	•
	476442	HOHL1D	112	450	PIXIE	
	466895	HOHL1D	122	450	11/4"	•
	466896	HOHL1D	127	450	11/4"	•
	466898	HOHL1D	132	450	11/4"	•
	500268	HOHL1D	142	450	11/4"	
	546639	HOHL1D	142	450	PIXIE	
	466899	HOHL1D	152	450	11/4"	•
	466900	HOHL1D	162	450	11/4"	•
	476450	HOHL1D	162	450	PIXIE	
	466902	HOHL1D	182	450	11/4"	•
	466903	HOHL1D	202	450	11/4"	•
	476452	HOHL1D	202	450	PIXIE	
	500289	HOHL1D	225	450	11/4"	
	544172	HOHL1D	225	450	PIXIE	
	466904	HOHL1D	250	450	11/4"	•
	476453	HOHL1D	250	450	PIXIE	
	500293	HOHL1D	300	450	11/4"	
	500296	HOHL1D	350	450	11/4"	
	500302	HOHL1D	400	450	11/4"	

## CDM★★ thin-walled

	TYPE NO.	SHAPE	DIA.	LENGTH	CONNECTION	IN STOCK
	495674	HOHL2	36	300	R1/2"	
	495817	HOHL2	41	300	R1/2"	
	495818	HOHL2	51	300	R1/2"	
	495820	HOHL2	61	300	R1/2"	
	495824	HOHL2	71	300	R1/2"	
	495826	HOHL2	81	300	R1/2"	
	495830	HOHL2	91	300	R1/2"	
	495832	HOHL2	101	300	R1/2"	
	495833	HOHL2	111	300	R1/2"	
	495834	HOHL2	121	300	R1/2"	
	495836	HOHL2	131	300	R1/2"	
	495837	HOHL2	141	300	R1/2"	
	495838	HOHL2	151	300	R1/2"	
	495841	HOHL2	161	300	R1/2"	
	495842	HOHL2	171	300	R1/2"	
	495843	HOHL2	181	300	R1/2"	
	495844	HOHL2	191	300	R1/2"	
	495845	HOHL2	201	300	R1/2"	



# ACCESSORIES

## Adapters

	TYPE NO.	SHAPE	DIMENSION 1	DIMENSION 2	IN STOCK
	374035	ADAPT	11/4"	R1/2"	•
	381983	ADAPT	R1/2	11/4"	•
	462700	ADAPT	HT 1.5	11/4"	•
	681095	ADAPT	HT 2	11/4"	•
	759007	ADAPT	R1/2"	10	•
	909220	ADAPT	11/4"	3 HOLE	

## Sharpening plates

	TYPE NO.	SHAPE	DIMENSION 1	DIMENSION 2	DIMENSION 3	IN STOCK
	497322	SP1	55	25	320	•
	484627	SP1	160	30	320	•
	484672	SP1	320	55	320	•

## Brazing magnets

	TYPE NO.	SHAPE	DIMENSION 1	DIMENSION 2	DIMENSION 3	IN STOCK
	529455	HMAG	56	0.75	1	•
	529456	HMAG	56	0.5	1.25	•

## Extensions

	TYPE NO.	SHAPE	DIMENSION 1	DIMENSION 2	IN STOCK
	400439	HVERL	100	R1/2"	•
	378198	HVERL	100	11/4" UNC	•
	359475	HVERL	200	R1/2"	•
	359471	HVERL	200	11/4" UNC	•
	359476	HVERL	300	R1/2"	•
	359472	HVERL	300	11/4" UNC	•
	889232	HVERL	400	R1/2"	•
	359473	HVERL	400	11/4" UNC	•
	707230	HVERL	500	R1/2"	•
	359474	HVERL	500	11/4" UNC	•

## Water liners

	TYPE NO.	SHAPE	DIMENSION 1	IN STOCK
	478074	WSPB	SIZE 12	
	122567	WSPB	11/4" THREAD	
	122569	WSPB	R1/2" THREAD	



## DRY DRILL BITS

### PREMIUM\*\*\* – HIGH QUALITY TOOLS FOR MAXIMUM EFFICIENCY

- The patented production method and the concomitant lower weight reduce the contact pressure necessary for drilling, as well as the formation of dust and the drilling time
- Best tool for setting plug sockets and distribution boxes as well as for minor breakthroughs
- The usable length of 70 mm has been especially designed for setting plug sockets and distributor boxes
- Drills of 150 mm length widen the range of applications: By using a centering shaft breakthroughs in walls with a thickness of up to 30 cm may be set
- An industrial vacuum cleaner may be connected for 100% dust extraction
- Drilling of slightly reinforced concrete can be carried out easily

### SERVICE

- Whole product range ex stock
- From a diameter of 91 mm onwards an additional distance washer is included for optional use of a vacuum-suction hood.

### REMARKS / RECOMMENDATIONS

- For use with drilling machines within the range of 1,000-2,000 W with or without soft impact
- Do not use a drill hammer as it would destroy the tool
- Observe the safety and user instructions shipped with the tool
- On request these safety instructions may also be sent separately



**SELECTING THE SUITABLE DRY DRILL BITS**

DIAMETER REVOLUTIONS PER MINUTE (RPM)	≤ 82 MM	≥ 91 MM
	2,000–3,000 RPM	1,000-1,500 RPM
drywall (Sheetrock®)	<b>without hammering function</b>	
Gas concrete		
Plastic tubes (PVC, PP, PE)		
Soft fire-resistant bricks		
Sandstone, porous natural stone		
Tiles		
Roofing tiles		
Clinkers		
Fine stoneware		
Sand-limestone soft		
Bricks		
Lightweight concrete slabs		
Hollow woodchip-concrete blocks and slabs		
Firebricks		
Concrete blocks	<b>hammering function required (no drill hammer!)</b>	
Sand-limestone hard		
Terazzo		
Concrete		
Concrete slightly reinforced		



## DRY DRILL BITS

The recently developed dry core drill bit is very appealing in many ways. Our patented production method of the only 3 mm wide segments ensures a significant reduction of weight, notably shorter drilling times, less contact pressure and less formation dust while drilling.

In combination with the TYROLIT drill motor DME18SD\*\*\* (1.8 kW) you are equipped with a perfect dry drilling system.



**PREMIUM\*\*\***

DDL\*\*\* - PREMIUM DRY DRILL BITS

	TYPE NO.	SHAPE	DIMENSIONS	ON STOCK
	532197	HOHLT	51x150xM16	
	499798	HOHLT	55x150xM16	
	597950	HOHLT	61x150xM16	
	597949	HOHLT	67x70xM16	
	499802	HOHLT	67x150xM16	
	532198	HOHLT	71x150xM16	
	597950	HOHLT	81x70xM16	
	475894	HOHLT	81x150xM16	
	532200	HOHLT	91x150xM16	
	499803	HOHLT	101x150xM16	
	532201	HOHLT	106x150xM16	
	532202	HOHLT	111x150xM16	
	532204	HOHLT	116x150xM16	
	532205	HOHLT	121x150xM16	
	499804	HOHLT	126x150xM16	
	532206	HOHLT	131x150xM16	
	532207	HOHLT	141x150xM16	
532208	HOHLT	151x150xM16		



# ACCESSORIES

## Dust extraction system

	TYPE NO.	DESCRIPTION	ON STOCK
	850026	Adaptor inside 5/8" - outside M16	•
	10983964	Dry drilling adaptor VDA116 (M16 - M16)	•
	10986189	Center drill bit 233 mm (for VDA116)	•
	10986190	Strap wrench (for VDA116)	•

## Adaptors

	TYPE NO.	ATTACHMENT FOR CENTERING SHAFT	ATTACHMENT MACHINE	DIAMOND DRILL	PICTURE	ON STOCK
	116264	Konus	SW12	M16	1	•
	850026	SDS Plus	5/8"	M16	2	•
	850011	SDS Plus	SW12	M16	3	•

## Center drill

	TYPE NO.	ATTACHMENT	NOMINAL LENGTH OF DIAMOND DRILL	LENGTH OF CENTER DRILL	Ø	PICTURE	ON STOCK
	116263	Konus	70	160	6,5	4	•
	579420	SDS Plus	70	130	6,5	5	•
	579424	SDS Plus	150	260	10	6	•

## Centering shaft

	TYPE NO.	ATTACHMENT	NOMINAL LENGTH OF DIAMOND DRILL	LENGTH OF CENTER DRILL	Ø	PICTURE	ON STOCK
	579503	SDS Plus	150	250	12	7	•



4 1 2 3 5 6 7





# TABLE SAWING

MACHINES	66
TOOLS	76

# TILE SAW TTE250 ★★★

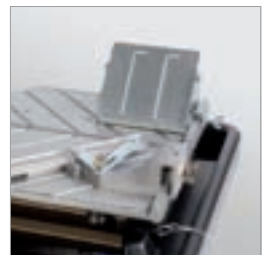
CUTTING DEPTHS UP TO 60 MM



Innovative telescopic system makes long cut lengths possible (up to 730 mm)



Required cutting depth is quick and easy to set - additional deployment options due to cap cutting function



Precise angle and mitre cutting using included stops

- Long cutting lengths with short overall saw length
- Clean cutting thanks to precise saw table guidance
- Practical handling and problem-free transport due to compact design and lightweight construction
- Simple to clean due to detachable water tank made from high-quality, robust plastic
- Maximum safety due to centrally located emergency stop switch
- High flexibility due to many adjusting and usage options

## Technical data

SAW BLADE	
Max. cutting depth	60 mm
Max. saw blade Ø	250 mm
Cutting length	730 mm
Saw blade speed	3,420 rpm
Saw blade holder Ø	25.4 mm

DRIVE	
Drive/motor	Electric
Output	1.1 kW
Standard voltage/frequency	230 V / 50 Hz
Optional voltage/frequency	110 V / 60 Hz
Engine cooling	Air cooling
Saw blade drive	Direct

DESIGN	
Infinitely adjustable cutting depths	
Angle cutting function (angle stop)	
Mitre cutting function (mitre stop)	
Cap cutting function	
Included table extension	
Plastic water tank (detachable)	
Electric water pump	
Dismantlable	

DIMENSIONS & WEIGHT	
Length	900 mm
Width	600 mm
Height	500 mm
Weight	26 kg

## System & accessories

TILE SAW TTE250***		
10983906	Tile saw TTE250P / 230 V	
10984480	Tile saw TTE250P / 110 V	

ACCESSORIES		
10984479	Fold-up saw table	
10985921	Table extension arm	
10988374	Mitre stop (Jolly table) for 600 mm tiles	

# MASONRY SAW TBE350★★

CUTTING DEPTHS UP TO 110 MM



Swivelling saw head allows 45° mitre cuts to be made



Two robust castors provide optimum manoeuvrability at the deployment location



Included angle stop for cuts from 30° to 90°

- Uncompromising price/performance ratio
- Clean cutting thanks to solid saw table with non-slip surface
- Mitre cuts are child's play to make using the swivelling saw head
- Continuous tool cooling and minimal amount of service work due to water pump location that prevents soiling
- Problem-free transport thanks to removable table feet
- Maximum safety due to centrally located emergency stop switch
- High flexibility due to many adjusting and usage options

## Technical data

SAW BLADE	
Max. cutting depth	110 mm
Max. saw blade Ø	350 mm
Cutting length	600 mm
Saw blade speed	2,800 rpm
Saw blade holder Ø	25.4 mm

DRIVE	
Drive/motor	Electric
Output	2.2 kW
Standard voltage/frequency	230 V / 50 Hz
Optional voltage/frequency	110 V / 60 Hz
Engine cooling	Air cooling
Saw blade drive	Direct

DESIGN	
Infinitely adjustable cutting depths	
Angle cutting function (angle stop)	
Mitre cutting function (swivelling saw head)	
Cap cutting function	
Water tank made from powder-coated steel	
Electric water pump	
Dismantlable	

DIMENSIONS & WEIGHT	
Length	1,140 mm
Width	640 mm
Height	1,230 mm
Weight	79 kg

## System

MASONRY SAW TBE350**		
10981423	Masonry saw TBE350S / 230 V	
10981424	Masonry saw TBE350S / 110 V	

# MASONRY SAW TME650 ★★★

CUTTING DEPTHS UP TO 270 MM



Pull-out water tank makes cleaning work easier



Stable, balanced transportation hook makes problem-free crane transport possible



Precise mitre cuts thanks to mitre stop

- Maximum stability and loadability due to torsionally strong steel chassis
- Clean cuts thanks to precise saw table guide made from stainless steel
- Continuous tool cooling and minimal amount of service work due to water pump location that prevents soiling
- Problem-free, safe transport thanks to central crane hook and fork lift guides
- Simple positioning of machine at deployment location using building site-compatible steering roller
- Quick and easy blade installation using intelligent blade guard construction
- Cleaning is simple due to pull-out, robust water tank
- Maximum safety due to centrally located emergency stop switch
- High flexibility due to many adjusting and usage options

## Technical data

SAW BLADE	
Max. cutting depth	270 mm
Max. saw blade Ø	700 mm
Cutting length	600 mm
Saw blade speed	1,400 rpm
Saw blade holder Ø	60 mm
Carrier Ø	11.5 mm
Reference circle Ø	120 mm

DRIVE	
Drive/motor	Electric
Output	5.5 kW
Voltage/frequency	400 V / 50 Hz
Engine cooling	Air cooling
Saw blade drive	Direct

DESIGN	
Infinitely adjustable cutting depths	
Angle cutting function (angle stop)	
Mitre cutting function (optional mitre stop)	
Transport hook and fork lift guides	
Pull-out steel water tank	
Electric water pump	

DIMENSIONS & WEIGHT	
Length	1,470 mm
Width	910 mm
Height	1,350 mm
Weight	215 kg

## System & accessories

MASONRY SAW TME650***		
10987200	Masonry saw TME650P / 400 V	

ACCESSORIES		
10978735	Mitre stop (Jolly table)	

# MASONRY SAW TME900 ★★★

CUTTING DEPTHS UP TO 380 MM



Large cutting depths of up to 380 mm possible (with saw blade Ø 1,000 mm)



Precise mitre cuts thanks to mitre stop



Forklift truck guides for simple and safe transport

- Maximum stability and loadability due to torsionally strong steel chassis
- Clean cuts thanks to precise saw table guide made from stainless steel
- Continuous tool cooling due to water pump location that prevents soiling
- Service work minimised by low-maintenance saw blade drive via a gearbox
- Problem-free, safe transport thanks to central crane hook and fork lift guides
- Simple positioning of machine at deployment location using building site-compatible steering roller
- Quick and easy blade installation using intelligent blade guard construction
- Cleaning is simple due to pull-out, robust water tank
- Maximum safety due to centrally located emergency stop switch
- High flexibility due to many adjusting and usage options

## Technical data

SAW BLADE	
Max. cutting depth	380 mm
Max. saw blade Ø	1,000 mm
Cutting length	660 mm
Saw blade speed	910 rpm
Saw blade holder Ø	60 mm
Carrier Ø	11.5 mm
Reference circle Ø	120 mm

DRIVE	
Drive/motor	Electric
Output	7.5 kW
Voltage/frequency	400 V / 50 Hz
Engine cooling	Air cooling
Saw blade drive	Via gears

DESIGN	
Infinitely adjustable cutting depths	
Angle cutting function (angle stop)	
Mitre cutting function (optional mitre stop)	
Transport hook and fork lift guides	
Plastic water tank (pull-out)	
Electric water pump	

DIMENSIONS & WEIGHT	
Length	1,800 mm
Width	1,030 mm
Height	1,500 mm
Weight	324 kg

## System & accessories

MASONRY SAW TME900***		
10987300	Masonry saw TME900P / 400 V	

ACCESSORIES		
10978735	Mitre stop (Jolly table)	





# TABLE SAW BLADES

PREMIUM	78
STANDARD	81



## TABLE SAW BLADES

### PREMIUM\*\*\* – HIGH QUALITY TOOLS FOR MAXIMUM EFFICIENCY

- Excellent cutting performance
- Long lifetime
- Optimum performance adjusted to the corresponding materials or uses
- Wide product range for optimum realization of projects

### STANDARD\*\* – HIGH QUALITY TOOLS FOR EVERYDAY USE

- Performance and life cycle that convince
- Universal fields of application

### SERVICE

- Quick delivery
- Available in all relevant diameters
- Conventional dimensions on stock
- Developed for perfect interaction with TYROLIT Hydrostress machines
- Reducers for various machine types

### REMARKS / RECOMMENDATIONS

- Observe safety and user instructions
- On request safety instructions may also be sent separately
- Maximum working speed 63m/s
- Tools only to be used for wet-cutting (exceptions are explicitly stated)

### SYMBOLS



soft stone



refractories



construction materials



ceramics, tiles



hard stone, granite



SELECTING THE SUITABLE BLADE

★ ★

★ ★ ★



	XB-T**	EB-T***	EH-T***	ES-T***	DCT***	TSS10	F40
Concrete stone	●	●					
Fine stoneware					●		
Hard burnt clinker			◐		◐	●	
Hard stone			●		◐		
Sand-limestone abrasive	◐	◐					
Sand-limestone hard	●	●	●				
Ceramic tiles					●		
Clinkers	◐	◐	◐				
Marble, limestone				●			
Stove tiles	◐	◐					●
Stradalit						●	
Terazzo with concrete backfill	●	●					
Terazzo without concrete backfill			◐		◐	◐	
Exposed-aggregate concrete slab	●	●					
Bricks soft	●	●					
Bricks hard			◐				

very suitable	●
suitable	◐



## TABLE SAW BLADES

TYROLIT table saw blades give a convincing performance through excellent cutting characteristics and a long lifetime.

TYROLIT table saw blades - developed for perfect interaction with TYROLIT Hydrostress machines, thus guaranteeing best cutting results for the most challenging tasks.



### PREMIUM★★★

These tools are suitable for both, cutting of exposed-aggregate concrete slabs, concrete stone or terazzo and for cutting bricks.

As they are tools for professional use they achieve maximum performance and lifetime. According to blade diameters and holders reducers are enclosed.

#### EB-T\*\*\* - PREMIUM TABLE SAW BLADES FOR USE WITH GENERAL CONSTRUCTION MATERIALS


	TYPE NO.	SHAPE	DIMENSIONS	REDUCERS	ON STOCK
	5692	C2W	250x2.2x35	R30/25.4	
	5693	C2W	300x2.4x35	R30/25.4	•
	5696	C2W	350x2.8x35	R30/25.4	•
	5707	C2W	400x3.2x35	R30/25.4	•
	700288	C1W	450x3.6x35	R30/25.4	
	5708	C1W	500x3.6x35	R30/25.4	•
	768100	C1	550x3.6x30		•
	5715	C1W	600x3.6x35	R30/25.4	
	5720	C1W	625x3.6x35	R30/25.4	•
	5721	C5	650x3.9x35	R30/25.4	•
	106991	C5	650x3.9x60		
	126504	C5	650x3.9x55		
	240774	C1	700x3.9x55		•
	885617	C1	700x3.9x60/40	R40	
	5723	C1	900x4.7x35		•
	74528	C1	900x4.7x60		
	491756	C1	900x4.7x55		•
175115	C1W	1000x4.7x55		•	



**PREMIUM\*\*\***

These tools are especially suitable for cutting granite and hard lime-sandstone. Reducers to 30 & 25.4 mm included.

**EH-T\*\*\* - PREMIUM TABLE SAW BLADES FOR USE WITH HARD STONE**


	TYPE NO.	SHAPE	DIMENSIONS	REDUCERS	ON STOCK
	5687	C2W	250x2.2x35	R30/25.4	•
	5688	C2W	300x2.6x35	R30/25.4	•
	5689	C2W	350x2.8x35	R30/25.4	•
	355253	C1W	600x3.6x35	R30/25.4	



**PREMIUM\*\*\***

These tools have been specially developed for cutting marble and limestone. Reducers to 30 & 25.4 mm included.

**ES-T\*\*\* - PREMIUM TABLE SAW BLADES FOR USE WITH SOFT STONE**

	TYPE NO.	SHAPE	DIMENSIONS	REDUCERS	ON STOCK
	5679	C2	250x2.2x35	R30/25.4	
	5684	C2	300x2.4x35	R30/25.4	•
	5685	C2	350x2.8x35	R30/25.4	•



# TABLE SAWING



## PREMIUM★★★

Extra thin blades with outstanding characteristics for machining ceramic tiles and fine stoneware.

This blade may be used for both, dry working with angle grinders and wet working with table saws.

### DCT\*\*\* - PREMIUM TABLE SAW BLADES FOR CERAMIC TILES AND FINE STONEWARE

	TYPE NO.	SHAPE	DIMENSIONS	REDUCERS	ON STOCK
	639558	1A1R	105x1.2x20	R16	•
	639559	1A1R	115x1.2x22.23		•
	639560	1A1R	125x1.2x22.23		•
	639634	1A1R	180x1.4x22.23		•
	639566	1A1R	180x1.4x35	R30/25.4	•
	639635	1A1R	230x1.6x22.23		•
	639568	1A1R	230x1.6x35	R30/25.4	•
	639569	1A1R	250x1.6x35	R30/25.4	•
	639570	1A1R	300x2.0x35	R30/25.4	•
	639571	1A1R	350x2.0x35	R30/25.4	•



## PREMIUM★★★

Type F40 is especially designed for cutting refractories.

Type TSS10 from Tyrolit is a tool especially designed for machining Stradalit.

### F40 - TABLE SAW BLADES FOR SPECIAL PURPOSES

	TYPE NO.	SHAPE	DIMENSIONS	REDUCERS	ON STOCK
	817606	C2W	300x2.4x25.4		•
	817603	C2W	350x2.8x25.4		•
	587957	C2W	400x3.2x30		
	817607	C2W	400x3.2x25.4		•
	491815	C2W	450x3.6x25.4		
	398806	C2GW	500x3.6x28		
	547136	C2W	500x3.6x25.4		•
	651894	C2	600x4.4x60		

### TSS10 - TABLE SAW BLADES FOR SPECIAL PURPOSES

	TYPE NO.	SHAPE	DIMENSIONS	REDUCERS	ON STOCK
	894258	C1	350x2.8x35	R30/25.4	•



These tools are suitable for both, cutting of exposed-aggregate concrete slab, concrete stone or terazzo and for cutting bricks.

Designed as standard tools they focus on the needs of everyday use. The corresponding reducers are enclosed according to blade diameters and holders.

### XB-T\*\* - STANDARD TABLE SAW BLADES FOR MACHINING CONSTRUCTION MATERIALS

	TYPE NO.	SHAPE	DIMENSIONS	REDUCERS	ON STOCK
	284967	C2W	250x2.2x35	R30/25.4	•
	284968	C2W	300x2.4x35	R30/25.4	•
	284969	C2W	350x2.8x35	R30/25.4	•
	284970	C2W	400x3.2x35	R30/25.4	•
	462504	C2W	450x3.2x35	R30/25.4	•
	462506	C2W	550x3.6x35	R30/25.4	•
	355613	C1W	625x3.6x60	R55.0	•
	355631	C1	650x3.9x60	R55.0	•
	355633	C1	700x3.9x60	R55.0	•
	338399	C1	900x4.8x60	R55.0	•
	437376	C5	1000x4.8x60	R55.0	•





## CUTTING | GAS CUTTER

PREMIUM	88
STANDARD	91
BASIC	93



# APPLICATION TABLE

UP TO Ø 400 MM

PREMIUM ★★★



Material		FAST CUT			FAST CUT	2 in 1	
Asphalt					●	●	
Abrasive concrete	◐	◐	◐	◐		●	
Concrete	●	●	●	●		◐	
Concrete roofing tiles	◐	◐	◐	◐			
Hard concrete	●	●	●	●			
Lightly reinforced concrete	●	●	●	●			
Concrete blocks	●	●	●	●		◐	
Pumice stone	◐	◐	◐	◐		◐	
Floor pavement/plaster					●	●	
Soft fire-resistant bricks					●	◐	
Gas concrete	◐	◐	◐	◐			
Glass reinforced plastics	●	●	●	●			●
Gneiss	●	●	●	●			
Granite	●	●	●	●			
Hard sand-lime brick	●	●	●	●			
Soft sand-lime brick	◐					◐	
Clinkers	●	●	●	●			
Marble							●
Poroton	◐	◐	◐	◐		◐	
Porphyry	●	●	●	●			
Sandstone						◐	
Slate	●	●	●	●			
Slag concrete	●	●	●	●		◐	
Clay bricks + slabs	●	●	●	●			
Washed-out concrete	●	●	●	●			
Ceramic tiles							
Gres							






●	Long lifetime combined with maximum cutting ability.
◐	Long lifetime and good cutting ability.





# APPLICATION TABLE

UP TO Ø 400 MM

STANDARD ★★

Material					
		FAST CUT		LONG LIFE	
Asphalt					●
Abrasive concrete	●		●	◐	
Concrete	◐	●	◐	●	
Concrete roofing tiles	◐	●	◐	●	
Hard concrete		●		◐	
Lightly reinforced concrete		◐		◐	
Concrete blocks	◐	●	◐	●	
Pumice stone	◐		◐	◐	◐
Floor pavement/plaster	◐		◐	◐	●
Soft fire-resistant bricks	◐		◐	◐	●
Gas concrete	◐	◐	◐		
Glass reinforced plastics		◐			
Gneiss		◐			
Granite		◐			
Hard sand-lime brick		◐			
Soft sand-lime brick	◐	◐	◐	◐	
Clinkers					
Marble					
Poroton	◐	◐	◐	◐	
Porphyry				◐	
Sandstone	◐		◐		
Slate					
Slag concrete					
Clay bricks + slabs	●		●	◐	
Washed-out concrete		●		●	
Ceramic tiles					
Gres					

	Long lifetime combined with maximum cutting ability.
	Long lifetime and good cutting ability.



# APPLICATION TABLE

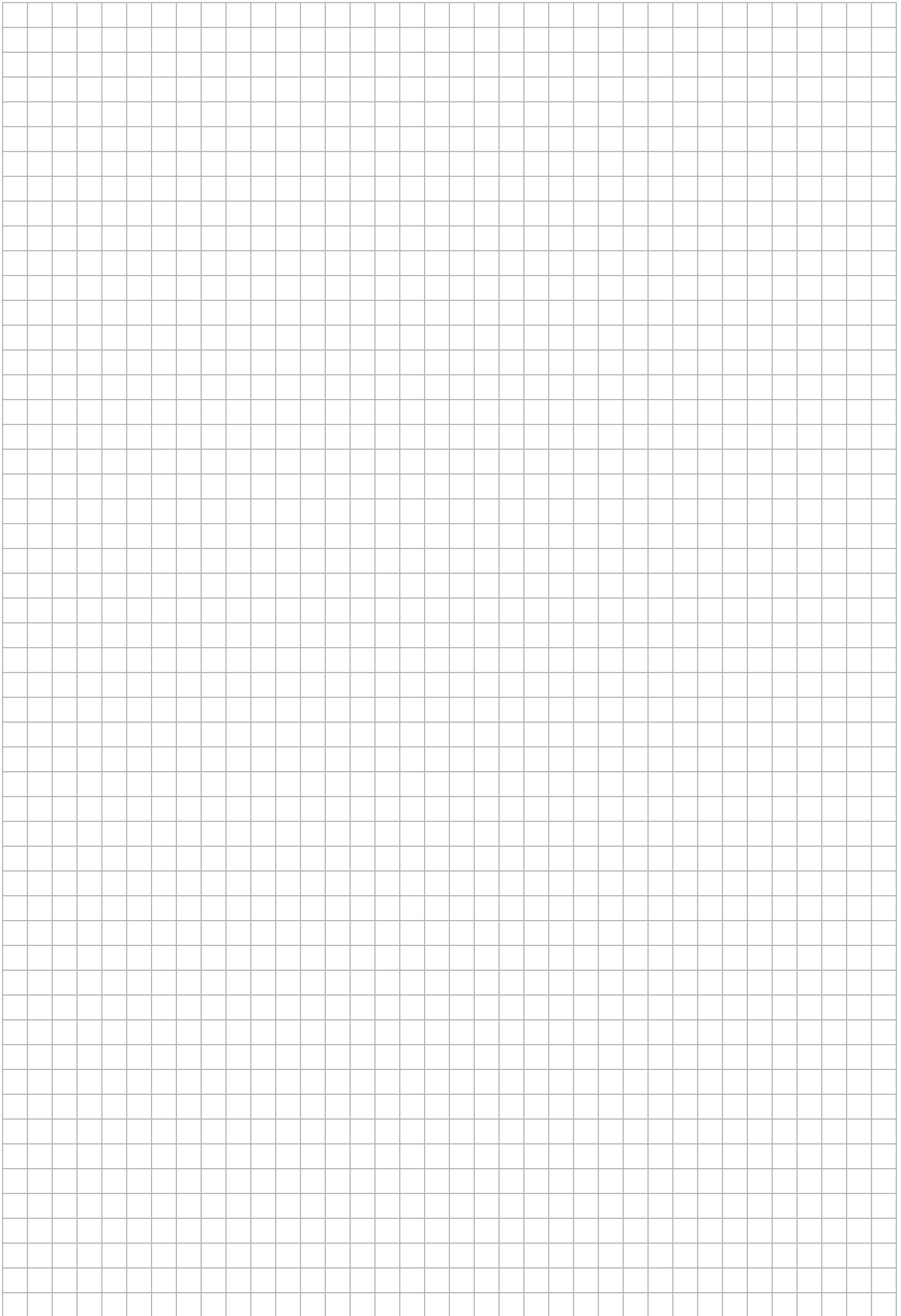
UP TO Ø 400 MM

**BASIC** ★



Material		FAST CUT		
Asphalt				●
Abrasive concrete	◐		◐	
Concrete	●	◐	●	
Concrete roofing tiles	◐	◐	◐	
Hard concrete	◐	◐	◐	
Lightly reinforced concrete	◐	◐	◐	
Concrete blocks	●	◐	●	
Pumice stone				●
Floor pavement/plaster				●
Soft fire-resistant bricks				◐
Gas concrete	◐	◐	◐	◐
Glass reinforced plastics	◐	◐	◐	
Gneiss				
Granite				
Hard sand-lime brick		◐		
Soft sand-lime brick	◐	◐	◐	
Clinkers				
Marble				
Poroton	●	◐	●	◐
Porphyry				
Sandstone				◐
Slate		◐		
Slag concrete				◐
Clay bricks + slabs	◐	◐	◐	
Washed-out concrete	◐	◐	◐	
Ceramic tiles				
Gres				

●	Long lifetime combined with maximum cutting ability.
◐	Long lifetime and good cutting ability.







## CUTTING | DIAMOND

TYROLIT offers laser welded and directly sintered dry-cutting saws that meet the highest standards of quality and safety. With TYROLIT dry-cutting saws, even plastics, fibre glass or bullet-proof glass can be machined in addition to countless standard materials such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound insulated dry cut-off saws, underline the continuous further development and optimisation of diamond products.





### PREMIUM★★★

**Construction/machinable materials:** Universal building materials such as concrete, clay brick, natural stone, steel etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
   C6W	464545	C6W	300x2,6x20	DCU★★★	1	
	464546	C6W	300x2,6x22,23	DCU★★★	1	
	464549	C6W	300x2,6x25,4	DCU★★★	1	
	464550	C6W	300x2,6x30	DCU★★★	1	
	464551	C6W	350x3x20	DCU★★★	1	
	464552	C6W	350x3x22,23	DCU★★★	1	
	464553	C6W	350x3x25,4	DCU★★★	1	
	464554	C6W	350x3x30	DCU★★★	1	
	464555	C6W	400x3x20	DCU★★★	1	
	464556	C6W	400x3x25,4	DCU★★★	1	

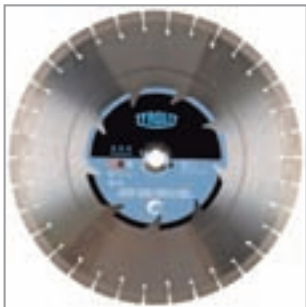



**Construction/machinable materials:** Concrete, reinforced concrete, reinforced steel, hard materials, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  C6W	465493	C6W	300x2,6x20	DCC★★★	1	
	465494	C6W	300x2,6x22,23	DCC★★★	1	
	465495	C6W	300x2,6x25,4	DCC★★★	1	
	465496	C6W	350x3x20	DCC★★★	1	
	465498	C6W	350x3x22,23	DCC★★★	1	
	465499	C6W	350x3x25,4	DCC★★★	1	
	465501	C6W	400x3x20	DCC★★★	1	



**Construction/machinable materials:** Hard concrete, granite, gneiss, porphyry, paving slabs, hard limestone, etc.



	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  C6W	464702	C6W	300x2,6x20	DCH★★★	1	
	464703	C6W	300x2,6x22,23	DCH★★★	1	
	464706	C6W	300x2,6x25,4	DCH★★★	1	
	464707	C6W	350x3x20	DCH★★★	1	
	464710	C6W	350x3x22,23	DCH★★★	1	
	464711	C6W	350x3x25,4	DCH★★★	1	
	464712	C6W	400x3x20	DCH★★★	1	



**PREMIUM**★★★

**Construction/machinable materials:** Marble, fibre glass reinforced plastic, PVC, carbon fibre, composites, fibre glass, bulletproof glass, etc.

**Details:** DCM\*\*\* - with electroplated coating, also suitable for rescue operations



	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  UC3	439591	UC3	300x3x20	DCM★★★	1	
	440056	UC3	300x3x22,2	DCM★★★	1	
	449224	UC3	300x3x25,4	DCM★★★	1	
	490961	UC3	350x3x20	DCM★★★	1	
	16009	UC3	350x3x22,2	DCM★★★	1	
	490962	UC3	350x3x25,4	DCM★★★	1	



**PREMIUM**★★★

**Construction/machinable materials:** Asphalt, sandstone, extremely abrasive materials

**Details:** DCA\*\*\* - laser welded high segment adhesion, protective segments against undercutting effect

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  C7SW	465982	C7SW	300x2,8x20	DCA★★★	1	
	465983	C7SW	300x2,8x22,23	DCA★★★	1	
	465984	C7SW	300x2,8x25,4	DCA★★★	1	
	465985	C7SW	350x3x20	DCA★★★	1	
	465987	C7SW	350x3x25,4	DCA★★★	1	
	465640	C73SW	300x2,6x20	DCA+C★★★	1	
	465642	C73SW	350x3x25,4	DCA+C★★★	1	



## CUTTING | DIAMOND

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With TYROLIT dry-cutting saws, even plastics, fibre glass or bullet-proof glass can be machined in addition to countless standard materials such as hard stone, concrete or asphalt.

Innovative products, such as ultra-thin and sound insulated dry cut-off saws, underline the continuous further development and optimisation of diamond products.



### STANDARD ★★



**Construction/machinable materials:** Universal building materials such as concrete, clay brick, natural stone, steel etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
	464853	C3W	300x2,6x20	DCU★★	1	
	464854	C3W	300x2,6x22,2	DCU★★	1	
	464855	C3W	300x2,6x25,4	DCU★★	1	
	464858	C3W	350x3x20	DCU★★	1	
	465661	C3W	350x3x22,23	DCU★★	1	
	464859	C3W	350x3x25,4	DCU★★	1	
	465667	C3W	400x3,2x20	DCU★★	1	
	467433	C3R	300x3x20	DCU★★-FC	1	Turbo
	467434	C3R	300x3x22,23	DCU★★-FC	1	Turbo
	467435	C3R	300x3x25,4	DCU★★-FC	1	Turbo
	467436	C3R	350x3x20	DCU★★-FC	1	Turbo
	467438	C3R	350x3x22,23	DCU★★-FC	1	Turbo
	467439	C3R	350x3x25,4	DCU★★-FC	1	Turbo



**STANDARD★★**

**Construction/machinable materials:** Concrete, reinforced concrete, reinforced steel, hard materials, etc.



	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
	465503	C3W	300x2,6x20	DCC★★	1	
	465505	C3W	300x2,6x22,23	DCC★★	1	
	465507	C3W	300x2,6x25,4	DCC★★	1	
	465509	C3W	350x3x20	DCC★★	1	
	465662	C3W	350x3x22,23	DCC★★	1	
	465512	C3W	350x3x25,4	DCC★★	1	
	485041	C3W	400x3,2x20	DCC★★	1	
	484994	C3W	300x2,6x20	DCC★★-LL	1	
	484996	C3W	300x2,6x22,23	DCC★★-LL	1	
	484999	C3W	300x2,6x25,4	DCC★★-LL	1	
 <p>C3W</p>	485001	C3W	350x3x20	DCC★★-LL	1	
	485003	C3W	350x3x25,4	DCC★★-LL	1	
	485004	C3W	400x3,2x20	DCC★★-LL	1	



**STANDARD★★**

**Construction/machinable materials:** Asphalt, sandstone, extremely abrasive materials

**Details:** DCA\*\* - protective segments against undercutting effect

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
	465519	C1SW	300x2,8x20	DCA★★	1	
	465520	C1SW	350x3x20	DCA★★	1	
	465522	C1SW	350x3x25,4	DCA★★	1	
	465525	C1SW	400x3,2x25,4	DCA★★	1	
	465526	C1SW	450x3,6x25,4	DCA★★	1	
 <p>C1SW</p>						



## CUTTING | DIAMOND

TYROLIT offers laser welded and directly sintered dry-cutting saws that meet the highest standards of quality and safety.

With TYROLIT dry-cutting saws, even plastics, fibre glass or bullet-proof glass can be machined in addition to countless standard materials such as hard stone, concrete or asphalt.

Innovative products, such as ultra-thin and sound insulated dry cut-off saws, underline the continuous further development and optimisation of diamond products.





**Construction/machinable materials:** Universal building materials such as concrete, clay brick, natural stone, steel, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION	
	466093	C3W	300x2,6x20	DCU ★	1		
	466094	C3W	300x2,6x22,2	DCU ★	1		
	466095	C3W	300x2,6x25,4	DCU ★	1		
	466096	C3W	350x3x20	DCU ★	1		
	466098	C3W	350x3x22,23	DCU ★	1		
	466099	C3W	350x3x25,4	DCU ★	1		
	529399	C3W	400x3,2x25,4	DCU ★	1		
	529401	C3W	450x3,6x25,4	DCU ★	1		
		467280	C3R	300x3x20	DCU ★-FC	1	Turbo
		467281	C3R	300x3x22,23	DCU ★-FC	1	Turbo
467282		C3R	300x3x25,4	DCU ★-FC	1	Turbo	
467285		C3R	350x3x20	DCU ★-FC	1	Turbo	
467288		C3R	350x3x22,23	DCU ★-FC	1	Turbo	
467289		C3R	350x3x25,4	DCU ★-FC	1	Turbo	

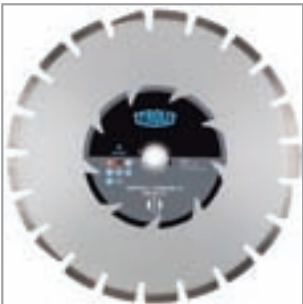

**BASIC★**

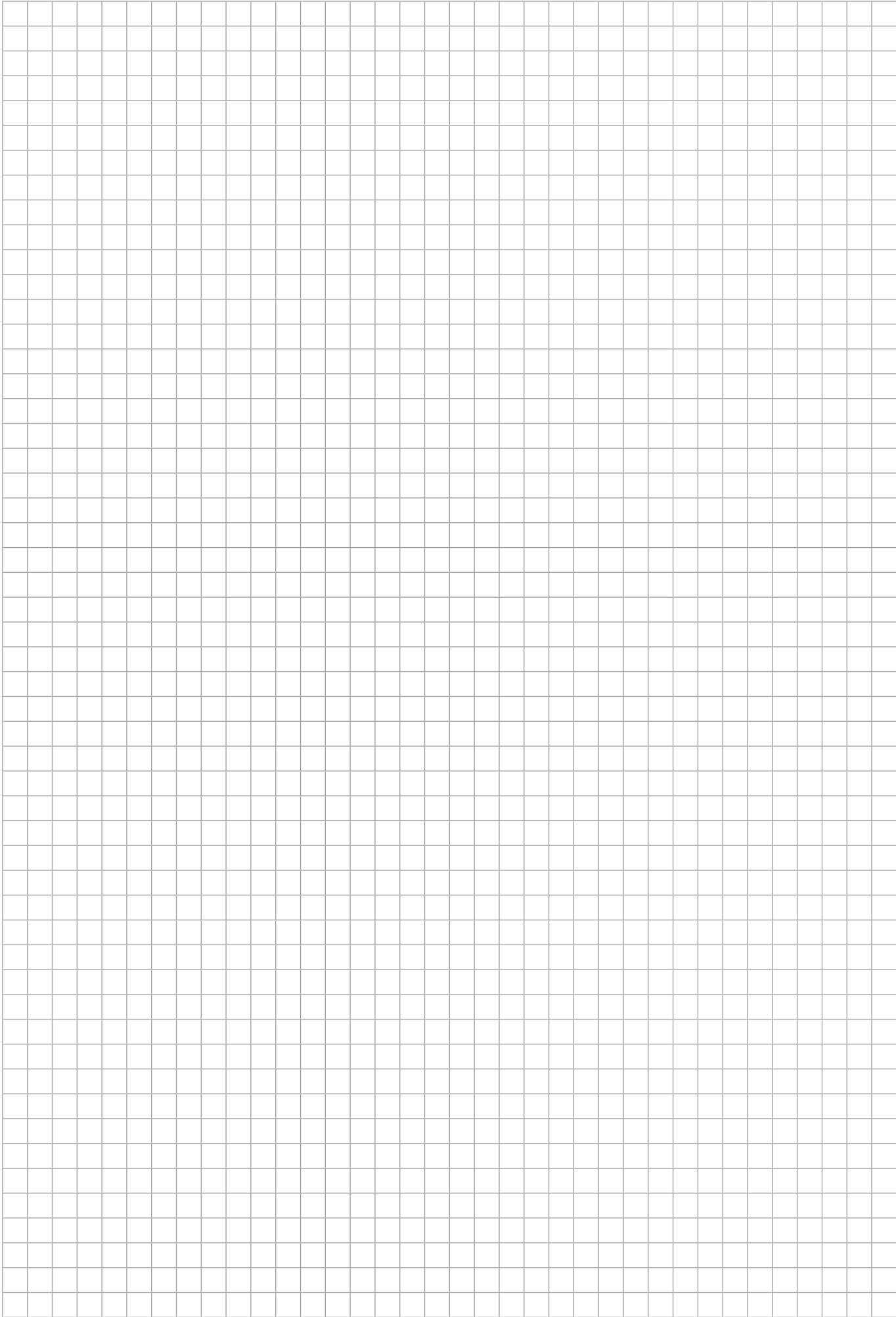
**Construction/machinable materials:** Hard concrete, granite, gneiss, porphyry, paving slabs, hard limestone, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  C3W	467391	C3W	300x2,6x20	DCH★	1	
	467392	C3W	300x2,6x22,23	DCH★	1	
	467394	C3W	300x2,6x25,4	DCH★	1	
	467395	C3W	350x3x20	DCH★	1	
	467396	C3W	350x3x22,23	DCH★	1	
	467400	C3W	350x3x25,4	DCH★	1	

**BASIC★**

**Construction/machinable materials:** Asphalt, sandstone, extremely abrasive materials

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  C1SW	465649	C1SW	300x2,8x20	DCA★	1	
	465656	C1SW	300x2,8x22,23	DCA★	1	
	465650	C1SW	300x2,8x25,4	DCA★	1	
	465651	C1SW	350x3x20	DCA★	1	
	465652	C1SW	350x3x25,4	DCA★	1	
	529402	C1SW	400x3,2x25,4	DCA★	1	
	529403	C1SW	450x3,6x25,4	DCA★	1	







## CUTTING | ANGLE GRINDER

PREMIUM	102
STANDARD	106
BASIC	108

**TYROLIT**



# APPLICATION TABLE

UP TO Ø 230 MM

PREMIUM ★★★



Material		FAST CUT	SILENT			FAST CUT			
Asphalt							◐		
Abrasive concrete	◐	◐	◐	◐	◐		●		
Concrete	●	●	●	●	●	◐			
Concrete roofing tiles	◐	◐	◐	◐	◐	●			
Hard concrete	●	●	●	●	●	◐			
Lightly reinforced concrete	●	●	●	●	●	◐			
Concrete blocks	●	●	●	●	●	●			
Pumice stone	◐	◐	◐	◐	◐	◐	●		
Floor pavement/plaster							●		
Soft fire-resistant bricks							●		
Gas concrete	◐	◐	◐	◐	◐	●			
Glass reinforced plastics	●	●	●	●	●	●		●	
Gneiss	●	●	●	●	●	◐			
Granite	●	●	●	●	●	◐			
Hard sand-lime brick	●	●	●	●	●	●			
Soft sand-lime brick							◐		
Clinkers	●	●	●	●	●				◐
Marble								●	
Poroton	◐	◐	◐	◐	◐	◐			
Porphyry	●	●	●	●	●	◐			
Sandstone							●		
Slate	●	●	●	●	●	◐			
Slag concrete	●	●	●	●	●				
Clay bricks + slabs	●	●	●	●	●	●			
Washed-out concrete	●	●	●	●	●	◐			
Ceramic tiles									●
Gres									●





●	Long lifetime combined with maximum cutting ability.
◐	Long lifetime and good cutting ability.



# APPLICATION TABLE

UP TO Ø 230 MM

STANDARD ★★

Material				
		FAST CUT		FAST CUT
Asphalt				
Abrasive concrete	●		●	
Concrete	◐	●	◐	●
Concrete roofing tiles	◐	●	◐	
Hard concrete		●		●
Lightly reinforced concrete		◐		●
Concrete blocks	◐	●	◐	●
Pumice stone	◐		◐	
Floor pavement/plaster	◐		◐	
Soft fire-resistant bricks	◐		◐	
Gas concrete	◐	◐	◐	●
Glass reinforced plastics		◐		
Gneiss		◐		◐
Granite		◐		◐
Hard sand-lime brick		◐		●
Soft sand-lime brick	◐	◐	◐	◐
Clinkers				◐
Marble				
Poroton	◐	◐	◐	
Porphyry				
Sandstone	◐		◐	
Slate				
Slag concrete				
Clay bricks + slabs	●	●	●	●
Washed-out concrete		●		●
Ceramic tiles				
Gres				

●	Long lifetime combined with maximum cutting ability.
◐	Long lifetime and good cutting ability.























































# APPLICATION TABLE

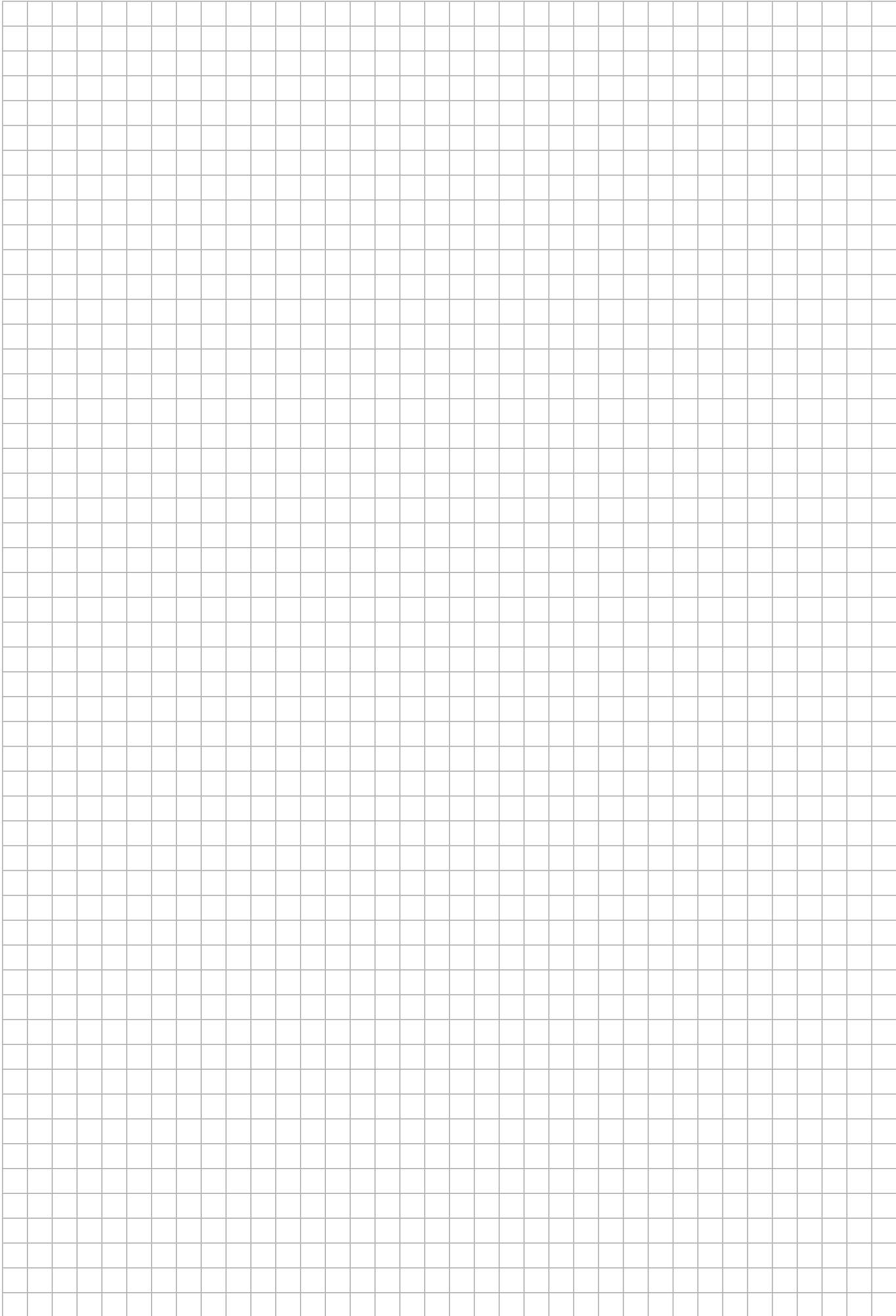
UP TO Ø 230 MM

**BASIC** ★



Material		FAST CUT			
Asphalt					
Abrasive concrete					
Concrete					
Concrete roofing tiles					
Hard concrete					
Lightly reinforced concrete					
Concrete blocks					
Pumice stone					
Floor pavement/plaster					
Soft fire-resistant bricks					
Gas concrete					
Glass reinforced plastics					
Gneiss					
Granite					
Hard sand-lime brick					
Soft sand-lime brick					
Clinkers					
Marble					
Poroton					
Porphyry					
Sandstone					
Slate					
Slag concrete					
Clay bricks + slabs					
Washed-out concrete					
Ceramic tiles					
Gres					

	Long lifetime combined with maximum cutting ability.
	Long lifetime and good cutting ability.





## CUTTING | DIAMOND

TYROLIT offers laser welded and directly sintered dry-cutting saws that meet the highest standards of quality and safety.




With TYROLIT dry-cutting saws, even plastics, fibre glass or bullet-proof glass can be machined in addition to countless standard materials such as hard stone, concrete or asphalt.

Innovative products, such as ultra-thin and sound insulated dry cut-off saws, underline the continuous further development and optimisation of diamond products.



**PREMIUM**★★★

**Construction/machinable materials:** Universal building materials such as concrete, clay brick, natural stone, steel, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
	464537	C6W	115x2,2x22,23	DCU★★★	1	
	464539	C6W	125x2,2x22,23	DCU★★★	1	
	464540	C6W	150x2,4x22,23	DCU★★★	1	
	464543	C6W	180x2,4x22,23	DCU★★★	1	
	464544	C6W	230x2,4x22,23	DCU★★★	1	
	474743	C6R	115x2x22,23	DCU★★★-FC	1	4in1
	474746	C6R	125x2x22,23	DCU★★★-FC	1	4in1
	474751	C6R	150x2,4x22,23	DCU★★★-FC	1	4in1
	474752	C6R	180x2,4x22,23	DCU★★★-FC	1	4in1
	474753	C6R	230x2,4x22,23	DCU★★★-FC	1	4in1
 	474771	C3G	230x2,6x22,23	DCU★★★-S	1	Silent




C6W / C6R

C3G



**PREMIUM**★★★

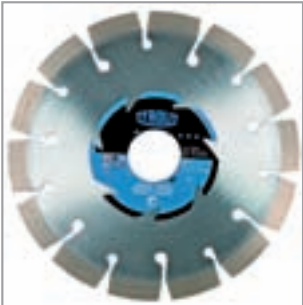


**Construction/machinable materials:** Concrete, reinforced concrete, reinforced steel, hard materials, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION	
   C6W                      C3R	465488	C6W	115x2,2x22,23	DCC★★★	1		
	465489	C6W	125x2,2x22,23	DCC★★★	1		
	465490	C6W	150x2,4/1,8x22,23	DCC★★★	1		
	465491	C6W	180x2,4/1,8x22,23	DCC★★★	1		
	465492	C6W	230x2,4x22,23	DCC★★★	1		
	598008	C3R	125x2,2x22,23	DCC★★★-FC	1	Wall slotter	
	598010	C3R	140x2,4x22,23	DCC★★★-FC	1	Wall slotter	
	598011	C3R	150x2,4x22,23	DCC★★★-FC	1	Wall slotter	



**PREMIUM**★★★

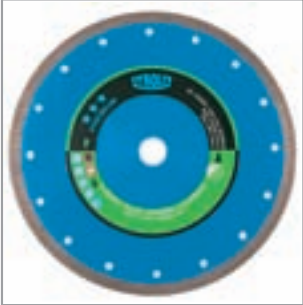

**Construction/machinable materials:** Hard concrete, granite, gneiss, porphyry, paving slabs, hard limestone, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION	
   C6W                      C3 / C3W	464697	C6W	115x2,2x22,23	DCH★★★	1		
	464698	C6W	125x2,2x22,23	DCH★★★	1		
	464699	C6W	150x2,4/1,8x22,23	DCH★★★	1		
	464700	C6W	180x2,4/1,8x22,23	DCH★★★	1		
	464701	C6W	230x2,4x22,23	DCH★★★	1		
	475790	C3	115x1,2x22,23	DCH★★★-FC	1	ultra-thin	
	475793	C3	125x1,2x22,23	DCH★★★-FC	1	ultra-thin	
	475797	C3W	180x1,9/1,4x22,23	DCH★★★-FC	1		
	475800	C3	230x1,9/1,4x22,23	DCH★★★-FC	1	ultra-thin	



**PREMIUM**★★★

Construction/machinable materials: ceramic tiles



	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  1A1R	177670	1A1R	100x1,4x22,2	DCT★★★	1	
	639558	1A1R	105x1,2x20	DCT★★★	1	
	639559	1A1R	115x1,2x22,23	DCT★★★	1	
	639560	1A1R	125x1,2x22,23	DCT★★★	1	
	639634	1A1R	180x1,4x22,23	DCT★★★	1	
	639635	1A1R	230x1,6x22,23	DCT★★★	1	



**PREMIUM**★★★




Construction/machinable materials: Marble, fibre glass reinforced plastic, PVC, carbon fibre, composites, fibre glass, bullet-proof glass, etc.

Details: DCM\*\*\* - with electroplated coating, also suitable for rescue operations

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  UC3	315968	UC3	115x2,5x22,2	DCM★★★	1	
	315967	UC3	125x2,5x22,2	DCM★★★	1	
	547611	UC3	150x3x22,2	DCM★★★	1	
	315966	UC3	180x3x22,2	DCM★★★	1	
	315965	UC3	230x3x22,2	DCM★★★	1	


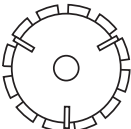


**Construction/machinable materials:** Abrasive concrete, gas concrete, floor pavement, plaster, pumice stone, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  C3SW  C3W	465976	C3W	115x2,2x22,23	DCAB★★★	1	
	465977	C3W	125x2,2x22,23	DCAB★★★	1	
	465979	C3W	150x2,2x22,23	DCAB★★★	1	
	465980	C3SW	230x2,4x22,23	DCAB★★★	1	



**Construction/machinable materials:** Abrasive concrete, gas concrete, floor pavement, plaster, pumice stone, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  FRSU	563873	FRSU	115x7,2x22,2	DCAB★★★	1	
	535829	FRSU	125x7,2x22,2	DCAB★★★	1	






## CUTTING | DIAMOND

TYROLIT offers laser welded and directly sintered dry-cutting saws that meet the highest standards of quality and safety. With TYROLIT dry-cutting saws, even plastics, fibre glass or bullet-proof glass can be machined in addition to countless standard materials such as hard stone, concrete or asphalt. Innovative products, such as ultra-thin and sound insulated dry cut-off saws, underline the continuous further development and optimisation of diamond products.





**STANDARD** ★★

**Construction/machinable materials:** Universal building materials such as concrete, clay brick, natural stone, steel, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
	467443	C3	115x2x22,23	DCU★★	1	
	467444	C3	125x2x22,23	DCU★★	1	
	467445	C3	150x2,6x22,23	DCU★★	1	
	467446	C3	180x2,6x22,23	DCU★★	1	
	467448	C3	230x2,6x22,23	DCU★★	1	
	467414	C3R	115x2x22,23	DCU★★-FC	1	Turbo
	467416	C3R	125x2x22,23	DCU★★-FC	1	Turbo
	467428	C3R	150x2,4x22,23	DCU★★-FC	1	Turbo
	467430	C3R	180x2,4x22,23	DCU★★-FC	1	Turbo
	467431	C3R	230x2,4x22,23	DCU★★-FC	1	Turbo
 C3	 C3R					


**STANDARD★★**

**Construction/machinable materials:** Concrete, reinforced concrete, reinforced steel, hard materials, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  C3 / C3W	474774	C3	115x2x22,23	DCC★★	1	
	474775	C3	125x2x22,23	DCC★★	1	
	536789	C3W	130x2,2x22,23	DCC★★	1	
	474777	C3	150x2,6x22,23	DCC★★	1	
	474778	C3	180x2,6x22,23	DCC★★	1	
	474780	C3	230x2,6x22,23	DCC★★	1	



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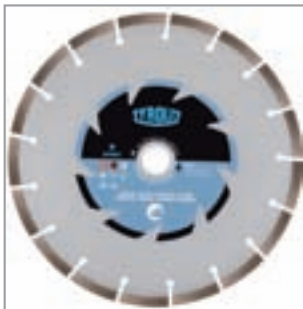



**Construction/machinable materials:** Universal building materials such as concrete, clay brick, natural stone, steel, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
	466082	C3	105x2x20	DCU ★	1	
	466083	C3	115x2x22,23	DCU ★	1	
	466084	C3	125x2x22,23	DCU ★	1	
	466086	C3	150x2,6x22,23	DCU ★	1	
	466087	C3	180x2,6x22,23	DCU ★	1	
	466090	C3	230x2,6x22,23	DCU ★	1	
	467266	C3R	105x2x20	DCU ★-FC	1	Turbo
	467267	C3R	115x2x22,23	DCU ★-FC	1	Turbo
	467268	C3R	125x2x22,23	DCU ★-FC	1	Turbo
	467271	C3R	150x2,4x22,23	DCU ★-FC	1	Turbo
	467273	C3R	180x2,4x22,23	DCU ★-FC	1	Turbo
	467276	C3R	230x2,4x22,23	DCU ★-FC	1	Turbo

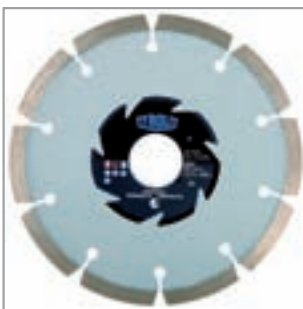



**Construction/machinable materials:** Hard concrete, granite, gneiss, porphyry, paving slabs, hard limestone, etc.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION	
  C3	467386	C3	115x2x22,23	DCH ★	1		
	467387	C3	125x2x22,23	DCH ★	1		
	467388	C3	180x2,6x22,23	DCH ★	1		
	467389	C3	230x2,6x22,23	DCH ★	1		





**Construction/machinable materials:** Abrasive concrete, gas concrete, floor pavement, plaster, pumice stone, etc.

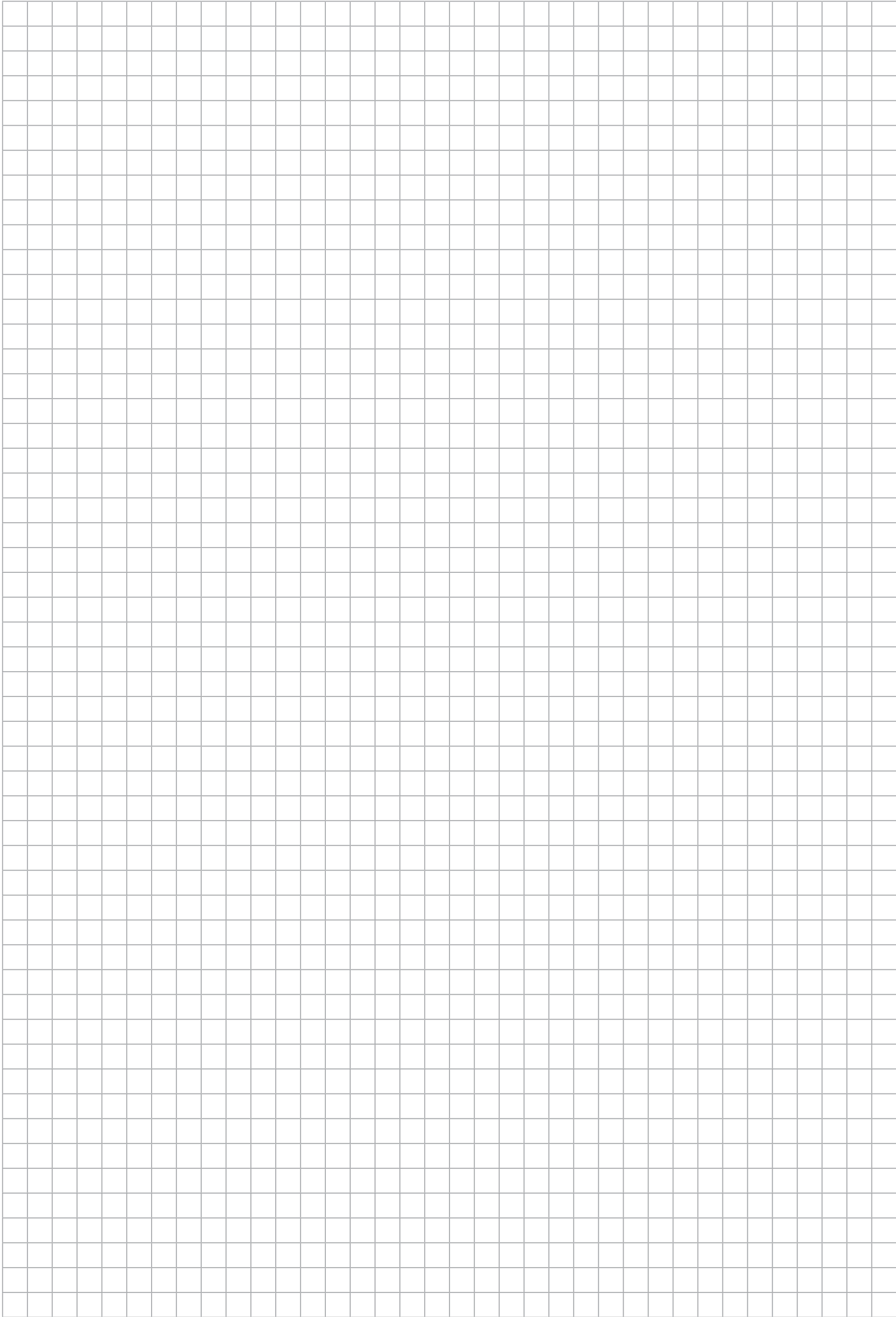
	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION	
  C3W	465672	C3W	115x2,2x22,23	DCAB ★	1		
	465674	C3W	125x2,2x22,23	DCAB ★	1		
	465677	C3W	150x2,2x22,23	DCAB ★	1		
	465686	C3W	230x2,4x22,23	DCAB ★	1		



**BASIC**★

Construction/machinable materials: Ceramic tiles

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  1A1R	535439	1A1R	100x1,6x20	DCT★	1	
	475975	1A1R	100x1,6x22,23	DCT★	1	
	475978	1A1R	115x1,6x22,23	DCT★	1	
	475980	1A1R	125x1,6x22,23	DCT★	1	
	475983	1A1R	180x2x22,23	DCT★	1	
	475986	1A1R	230x2x22,23	DCT★	1	







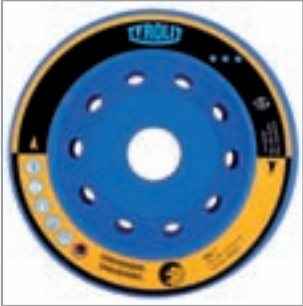

## **GRINDING | ANGLE GRINDER**

PREMIUM	114
STANDARD	116



**GRINDING | DIAMOND**

Cost-effective work combined with high stock removal performance and long lifetime are at the forefront of TYROLIT dry grinding plates, as is its universal range of application. In addition to these two points, a thorough colour guidance system helps you to find the right product for the material to be machined.

**PREMIUM★★★**

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
  STHD	356569	STHD	100x18x22,2	DGU★★★	1	
	350694	STHD	110x18x22,2	DGU★★★	1	
	367833	STHD	110x18	DGU★★★	1	
	348387	STHD	125x18x22,2	DGU★★★	1	
	828013	STHD	180x19x22,2	DGU★★★	1	



	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION	
  STHD	405219	STHD	125x18x22,2	DGAB★★★	1		



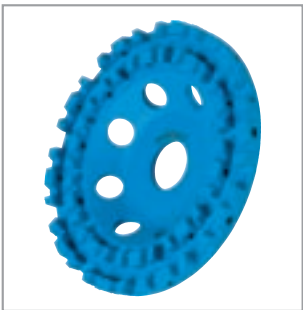
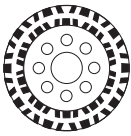
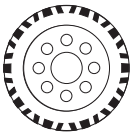
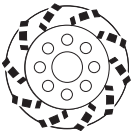
## GRINDING | DIAMOND

Cost-effective work combined with high stock removal performance and long lifetime are at the forefront of TYROLIT dry grinding plates, as is its universal range of application. In addition to these two points, a thorough colour guidance system helps you to find the right product for the material to be machined.



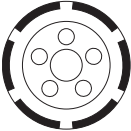



**STANDARD** ★★

The newly developed Diamond Cup Grinder does not only stand from the crowd with its new optics and design but also with his outstanding performance.

	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION
	639829	STHD-D	125x18x22,23	DGU★★	1	
	639825	STHD-S	125x18x22,23	DGU★★	1	
	639830	STHD-T	125x18x22,23	DGU★★	1	
 <p>STHD-D</p>  <p>STHD-S</p>  <p>STHD-T</p>						



	TYPE NO.	SHAPE	DIMENSION	SPECIFICATION	VP	ADDITION	
  STS-D  STS-S  STS-T	494339	STS-D	100x18x22,23	DGU★★	1		
	494361	STS-D	125x20x22,23	DGU★★	1		
	494394	STS-D	180x32x22,23	DGU★★	1		
	494349	STS-D	110x18x22,23	DGU★★	1		
	494333	STS-S	100x18x22,23	DGU★★	1		
	494342	STS-T	100x18x22,23	DGU★★	1		
	494365	STS-T	125x20x22,23	DGU★★	1		
	494391	STS-T	180x32x22,23	DGU★★	1		

## APPENDIX – SPEED RECOMMENDATIONS

Rotational speeds and peripheral speeds depending on the external diameter  $\varnothing=D$  of the grinding wheels.

RPM (min <sup>-1</sup> ) is dependant upon the external diameter (D) of the grinding wheel and the maximum operating speed											
D in mm	Metres per second (m/s)										
	16	20	25	32	35	40	50	63	80	100	125
3											
4	75.300	95.400									
5	61.100	76.300	95.400								
6	50.900	63.600	79.500								
8	38.100	47.700	59.600	76.300	83.500	95.400					
10	30.500	38.100	47.700	61.100	66.800	76.300	95.400				
13	23.500	29.300	36.700	47.000	51.400	58.700	73.400	92.500			
16	19.000	23.800	29.800	38.100	41.700	47.700	59.600	75.200	95.400		
20	15.200	19.000	23.800	30.500	33.400	38.100	47.700	60.100	76.300	95.400	
25	12.200	15.200	19.000	24.400	26.700	30.500	38.100	48.100	61.100	76.300	95.400
32	9.540	11.900	14.900	19.000	20.800	23.800	29.800	37.600	47.700	59.600	74.600
35	8.730	10.900	13.600	17.400	19.000	21.800	27.200	34.300	43.600	54.400	68.200
40	7.630	9.540	11.900	15.200	16.700	19.000	23.800	30.000	38.100	47.700	59.600
50	6.110	7.630	9.540	12.200	13.300	15.200	19.000	24.000	30.500	38.100	47.700
63	4.850	6.060	7.570	9.700	10.600	12.100	15.100	10.000	24.200	30.300	37.800
80	3.810	4.770	5.960	7.630	8.350	9.540	11.900	15.000	19.000	23.800	29.800
100	3.050	3.810	4.770	6.110	6.680	7.630	9.540	12.000	15.200	19.000	23.800
115	2.650	3.320	4.150	5.310	5.810	6.640	8.300	10.400	13.200	16.600	20.700
125	2.440	3.050	3.810	4.880	5.340	6.110	7.630	9.620	12.200	15.200	19.000
150	2.030	2.540	3.180	4.070	4.450	5.090	6.360	8.020	10.100	12.700	15.900
175	1.740	2.180	2.720	3.490	3.810	4.360	5.450	6.870	8.730	10.900	13.600
180	1.690	2.120	2.650	3.390	3.710	4.240	5.300	6.680	8.480	10.600	13.200
200	1.520	1.900	2.380	3.050	3.340	3.810	4.770	6.010	7.630	9.540	11.900
225	1.350	1.690	2.120	2.710	2.970	3.390	4.240	5.340	6.790	8.480	10.600
230	1.320	1.660	2.070	2.650	2.900	3.320	4.150	5.230	6.640	8.300	10.300
250	1.220	1.520	1.900	2.440	2.670	3.050	3.810	4.810	6.110	7.630	9.540
300	1.010	1.270	1.590	2.030	2.220	2.540	3.180	4.010	5.090	6.360	7.950
350	870	1.090	1.360	1.740	1.900	2.180	2.720	3.430	4.360	5.450	6.820
400	760	950	1.190	1.520	1.670	1.900	2.380	3.000	3.810	4.770	5.960
450	670	840	1.060	1.350	1.480	1.690	2.120	2.670	3.390	4.240	5.300
500	610	760	950	1.220	1.330	1.520	1.900	2.400	3.050	3.810	4.770
600	500	630	790	1.010	1.110	1.270	1.590	2.000	2.540	3.180	3.970
700	430	540	680	870	950	1.090	1.360	1.710	2.180	2.720	3.410
750	400	500	630	810	890	1.010	1.270	1.600	2.030	2.540	3.180
800	380	470	590	760	830	950	1.190	1.500	1.900	2.380	2.980
900	330	420	530	670	740	840	1.060	1.330	1.690	2.120	2.650
1000	300	380	470	610	660	760	950	1.200	1.520	1.900	2.380
1060	280	360	450	570	630	720	900	1.130	1.440	1.800	2.250
1250	250	310	390	500	550	630	790	1.000	1.270	1.590	1.980
1500	200	250	310	400	440	500	630	800	1.010	1.270	1.590

# MACHINES



Angle grinder



Floor saw



Cut-off grinder



Drill rig



Drilling machine



Table saw



Hand-guided tool



☐ ☐ ☐ SCE CHC S/TL CHE SMOH



☐ ☐ ☐ ☐ p Roughing



☐ ☐ p VUCHIPG

# MATERIALS



Stone, concrete



Hard stone, granite



Asphalt



Ceramics, tiles



Concrete



Soft stone



Abrasive materials

# SAFETY INFORMATION



Pay attention to the safety recommendations



Personal safety



Use dust mask



Not permitted for side grinding



Use eye protection



Dry grinding



Use ear protection



Wet grinding



Use gloves



No freehand working



Do not use damaged wheels

## EXAMPLES OF IDENTIFYING WHEEL ORIENTATION

The following take equal responsibility for safety

- Machine manufacturer
- Grinding wheel producer
- User

Grinding wheels are subject to a high load during the grinding process. It is therefore important that the

- Grinding machine
- Grinding wheels
- Handling and application

are adjusted to one another to optimum effect in order to ensure safe grinding. For the grinding machines, it is generally important to observe the machine conditions and the stipulation of the protection cover.

Whereas the manufacturer implements the safety measures in line with regulations in relation to the grinding machine and grinding wheels, the user is responsible for safety when grinding through use of the grinding machine for the intended purpose, as well as through correct handling and application of the grinding wheels.

The following must be observed:

- Checking of the grinding wheels on delivery
- Handling and storage of the grinding tools
- Identification, adjustment to the machine data
- Checking of the grinding wheels prior to clamping
- Clamping methods for the grinding wheels
- Test run of the grinding wheels prior to start-up
- Eye protection and protective clothing  
(Also see FEPA Safety Code)

## CHECKING OF GRINDING WHEELS ON DELIVERY

Check packaging on delivery. If damage is visible on the packaging, the grinding wheel should be checked particularly thoroughly for any possible transport damage.

## STORAGE OF THE GRINDING WHEELS

Grinding wheels are to be stored in suitable racks or containers so that they are not damaged and so that it is easily possible to remove wheels without disturbing the storage setup. Older stock should be used first.

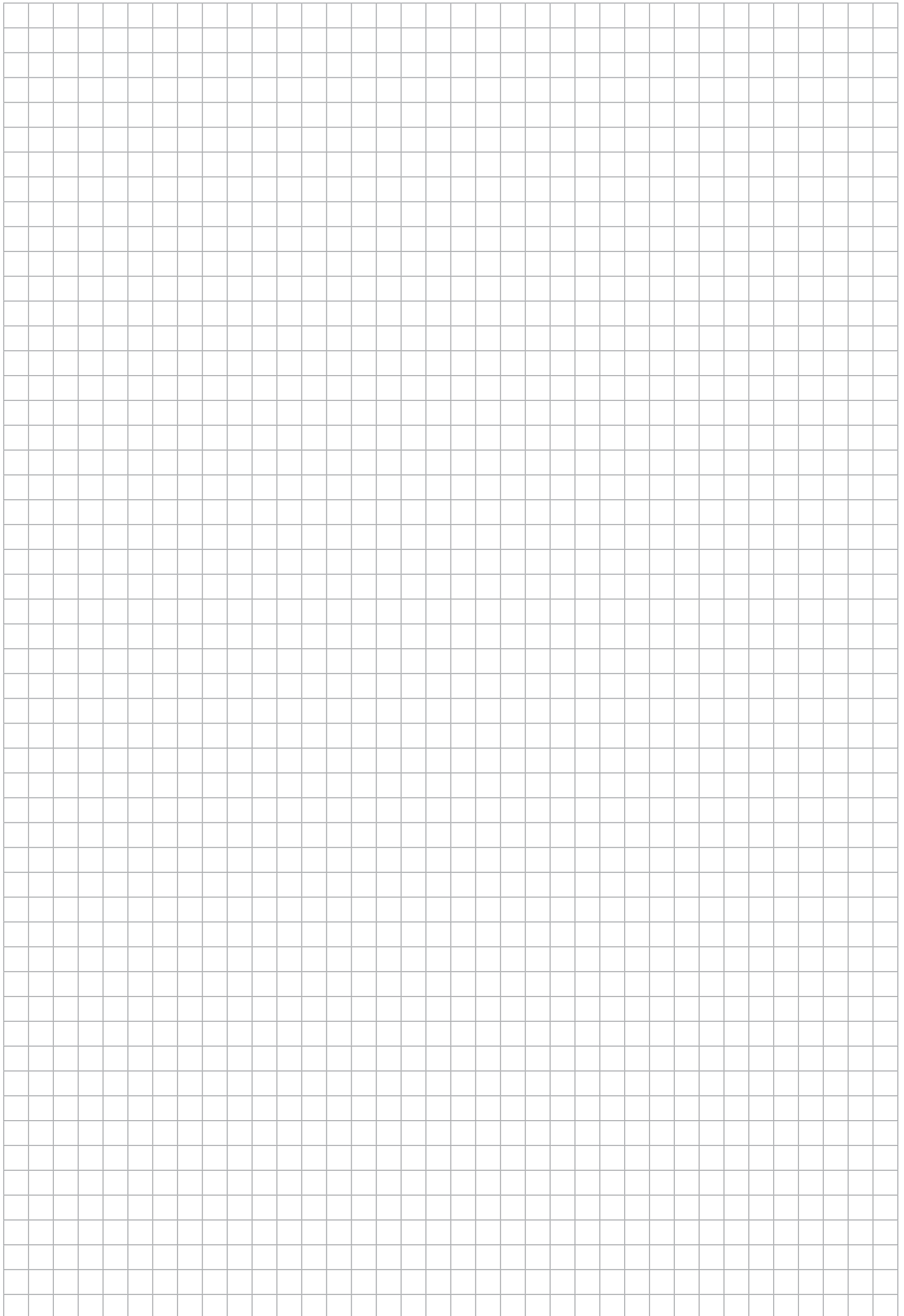
During storage, the following must be noted:

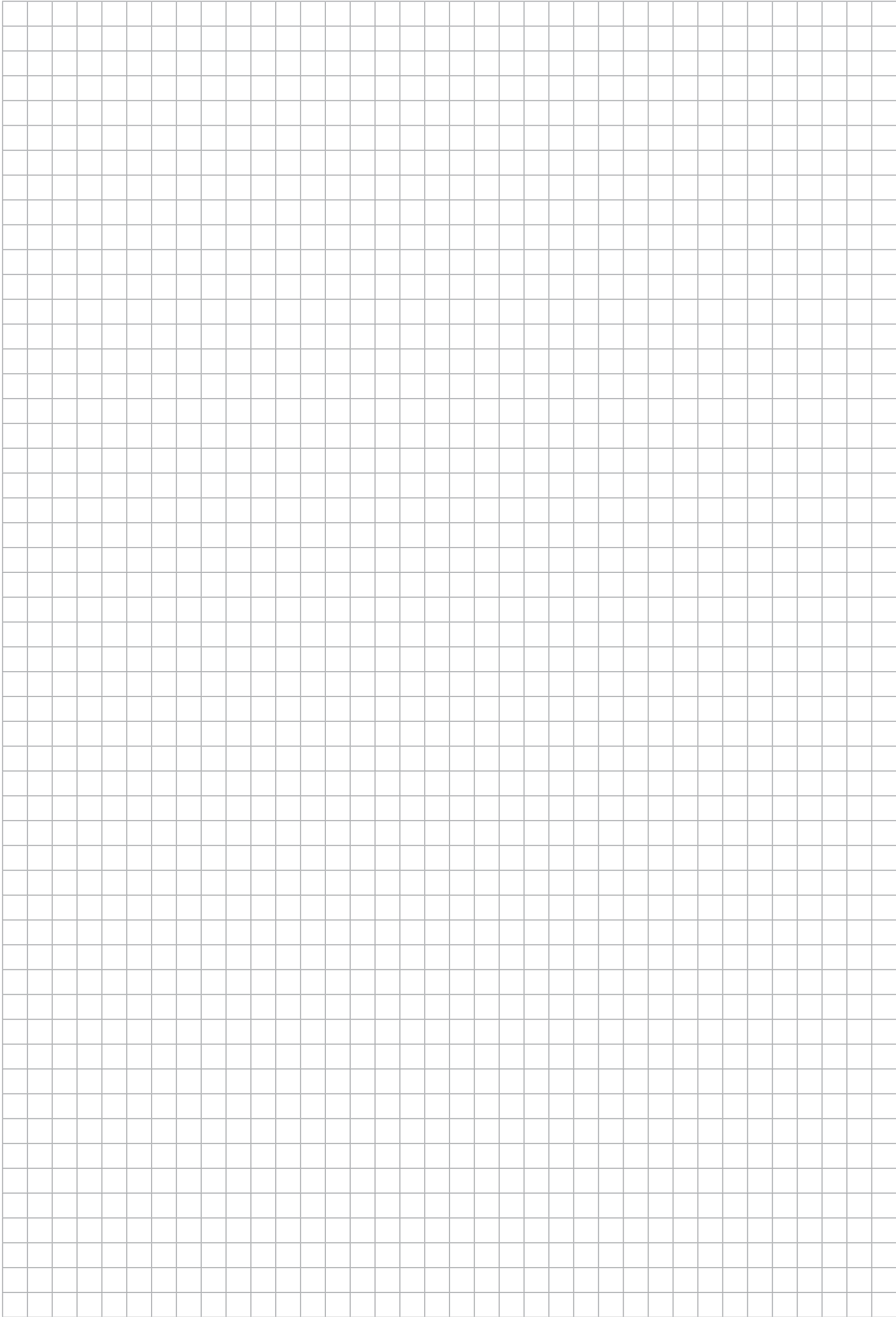
- Store grinding wheels in a dry and rust-free condition
- No not expose grinding wheels to large temperature fluctuations

Storage for various types of grinding wheel:

- Store cut-off wheels on a level underlay without intermediate layers, and weight them down with a steel or cast metal plate
- Store large straight grinding wheels in an upright position and make sure they cannot roll away
- Stack cylinder wheels, cylindrical cup wheels and grinding plates using soft intermediate layers
- Stack taper cup wheels, shape 11, in each case faces or bases together
- Store small grinding wheels in suitable containers







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