



DIAMOND WIRES

THE NEW DIMENSION IN HIGH PERFORMANCE CUTTING

- Extremely short cutting times
- Very long service life
- Robust tool design for the highest possible levels of safety

DIAMOND WIRES

PREMIUM★★★ – QUALITY TOOLS FOR MAXIMUM ECONOMIC EFFICIENCY

- Exceptional and consistent cutting performance coupled with a long service life
- Universal use
- Innovative and robust tool design
- Large range
- Perfectly coordinated tool /connector sleeves / accessories system

STANDARD★★ – QUALITY TOOLS FOR EVERYDAY USE

- Exceptional and consistent cutting performance coupled with a long service life
- Universal use
- Perfectly coordinated tool / connector sleeves / accessories system

SERVICE

- Can be supplied with connector sleeves attached on request
- Can be delivered in unseparated lengths of up to 100 m
- Technical support provided by our trained staff

SPECIFICATONS

Example: DWM***-C

Position 1-2	Program	DW	Diamond Wire
Position 3	Machine-tool output	L	Low Power
		M	Medium Power
Position 4-6	Quality line	★★★	PREMIUM
		★★	STANDARD
Position 7	Application	-C	Concrete (yellow)
		-S	Steel (black)

INFORMATION / RECOMMENDATIONS

- Optimum application conditions/wire speed

Concrete	Soft aggregates with little reinforcement	21-25 m/s
Concrete	Hard aggregates with high reinforcement	16-21 m/s
Steel	100%	10-16 m/s

- Fix the connector sleeves according to the regulations
- Use only original TYROLIT accessories
- Caution: Do not use wire-cutting pliers for cutting. Use an angle grinder with a thin cut-off wheel
- The safety and operating instructions sent with the machine must be observed at all times when using diamond wires. The safety manual will be sent to you on request

CHOOSING THE CORRECT TYPE OF DIAMOND WIRE

	Type	Bead		Machine	Material							Dry-cutting
					Concrete				Level of reinforcement			
					Sintered	Electroplated	Very hard	Hard	Medium	Soft	Low	
PREMIUM	DWM***-C		•	L / M / H	●	●	●	◐	●	●	○	○
	DWL***-C	•		L / M / H	○	◐	◐	◐	◐	○		
	DWM***-S		•	L / M / H	○	○		◐	○	●	●	○
STANDARD	DWM**-C		•	L / M / H	◐	◐	◐	●	◐	◐	○	○
	DWL**-C	•		L / M		○	◐	◐	◐			

Note:

MACHINE		
Output		
(Low)	L	≤15 kW
Medium	M	>15-25 kW
High	H	>25-50 kW

MATERIAL	
Aggregates	
Very hard	Flint
Hard	Quartz
Medium	Granite
Soft	Limestone

SUITABILITY	
Optimal	●
Good	◐
Acceptable	○
Not suitable	

DIAMOND WIRE


Decades of experience in the production and application of diamond wires and wire saw machines give TYROLIT the edge in the marketplace. Suitable for clearance and demolition work, breaking up bridges, buildings and numerous other large-scale reinforced concrete structures. Virtually unaffected by wall thicknesses and levels of reinforcement. Works flawlessly with TYROLIT Hydrostress machines.




PREMIUM★★★

For the most demanding applications and solutions for complex projects


DWM★★★-C | electroplated | for concrete

	ITEM NO.	SHAPE	DIA.	BEADS/M	IN STOCK	
	572996	SEIL	10.2	46	•	
	524513	SEIL	8.5	46	•	

DWM★★★-S | electroplated | for steel

	ITEM NO.	SHAPE	DIA.	BEADS/M	IN STOCK	
	603261	SEIL	10.2	46	•	


DWL★★-C | sintered | for concrete

	ITEM NO.	SHAPE	DIA.	BEADS/M	IN STOCK	
	603260	SEIL	11	40	•	


STANDARD★★

For everyday use. Cost-effective solution for standard applications

DWM★★-C | electroplated | for concrete


	ITEM NO.	SHAPE	DIA.	BEADS/M	IN STOCK	
	603256	SEIL	10	40	•	

DWL★★-C | sintered | for concrete


	ITEM NO.	SHAPE	DIA.	BEADS/M	IN STOCK	
	166634	SEIL	11.3	40	•	

ACCESSORIES FOR DIAMOND WIRES


Hydraulic hand press - 80 kN

	ITEM NO.	SHAPE		IN STOCK	
	117984	SPV	80kN CPL	•	


Press inserts for hand press

	ITEM NO.	SHAPE	DIA.		IN STOCK	
	524002	SPEV	8	80 kN	•	
	578301	SPEV	11	80 kN	•	


Cardanic sleeve and spare bolts for diamond wire diameters 10/11 mm

	ITEM NO.	SHAPE	DIA.	IN STOCK	PU
	218909	SVG	10	•	5
	218914	SVGB	10	•	25


Repair sleeve for diamond wire diameters 8.5 and 10/11 mm

	ITEM NO.	SHAPE	DIA.	IN STOCK	PU
	902134	SVR	8	•	10
	600045	SVR	11	•	10


Threaded sleeve for diamond wire diameter 11 mm

	ITEM NO.	SHAPE	DIA.	IN STOCK	PU
	599851	SVS	11	•	10

Assembly device for cardanic sleeve and spare pin

	ITEM NO.	SHAPE			IN STOCK	
	860404	SMGV	II		•	
	148130	SMGV	2.5	20	•	

A60Q-BFXA | 2in1 ★★★ Cut-off wheel for cutting the wire

	ITEM NO.	SHAPE	DIA.	WIDTH	BORE	IN STOCK	PU
	77966	41F	125	1	22.23	•	25

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All our **worldwide subsidiaries** can be found on our
website at www.tyrolit.com

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