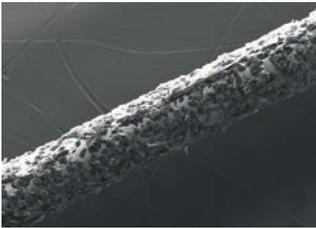




## DIAMOND WIRES

The diamond wires from Diamond WireTec will win you over with their high tensile strength, their strong grain bonding as well as the high quality of the wire and the diamond grain.



A large number of diamond wires offered by Diamond WireTec are produced in-house. The diamond wires differ in the type of diamond bonding, the diamond density, the wire diameter and the strength. These are important properties for a clean and economical separation cut.



All diamond wires offered by Diamond WireTec are subject to a 100% check and the strictest requirements. Tension tests for examining the stretching properties and strength as well as microscopic visual tests for the overall assessment are part of our quality management system.

The selection of diamond wire diameters depends, among other things, on the size of the cutting surface of the workpiece/sample. For fine surfaces, small grains make the most sense, and a lower grain density should be used for soft cutting materials.

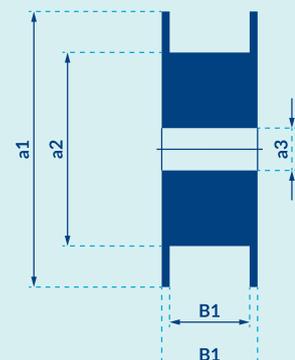
### DIAMOND WIRETEC DELIVERS WIRES

- ✓ As open finite wires in standard lengths of 60 /120 and 1000 meters coiled on our standard spools. For longer wires and larger spools, just ask us.
- ✓ As endless wires loops with standard lengths from 1,6 m or 3,0 m or 4,0 m and diameter 0,6 mm. Other length or diamaters please ask.



### TECHNICAL DATA OF OUR STANDARD SPOOLS

Spool type	Material	a1	a2	a3	B1	B2
DS70*	Aluminium	70	45	41	17	20
DS150	Aluminium	150	100	80	34	40
DS300	Plastic	300	150	140	60	65



\*Spool type DS70 may be used with diamond wire saws produced by other manufacturers as well

# DIAMOND WIRES



## WE HAVE THE FOLLOWING DIAMOND WIRES IN OUR WIRE PRODUCT LINE



### Diamond wire type K

- Strong grain bonding
- Nickel-coated
- Normal grain density



### Diamond wire type L

- Strong grain bonding
- Nickel-coated
- High grain density



### Diamond wire type W

- Strong grain bonding
- Uncoated
- Highest grain density



### Diamond wire type T

- Low grain bonding
- Uncoated
- Normal grain density

## OUR STANDARD DIAMOND WIRE

Designation	Blade clearance [mm]	Centre wire-Ø [µm]	Grain size [µm]	Breaking resistance. [N]	Grain bonding [Art]	Wire length [m]
DW080-L	0,07-0,08	60	8-12	15	Type L	60/120/1000
DW150-L	0,13-0,15	110	15-20	35	Type L	60/120/1000
DW250-L	0,23-0,26	180	30-40	80	Type L	60/120/1000
DW250-K	0,23-0,26	180	30-40	85	Type K	60/120
DW350-T	0,33-0,36	300	40-50	140	Type T	60/120
DW350-W	0,33-0,36	250	40-50	150	Type W	60/120
DW350-L	0,33-0,36	250	40-50	160	Type L	60/120/1000
DW350-L	0,33-0,36	270	30-40	170	Type L	60/120/1000
DW370-K	0,35-0,38	280	40-50	230	Type K	60/120
DW420-L	0,40-0,43	330	40-50	260	Type L	60/120/1000
DW420-L	0,40-0,43	350	30-40	280	Type L	60/120/1000
DW450-W	0,43-0,46	280	70-90	245	Type W	60/120
DW450-L	0,43-0,46	350	40-50	290	Type L	60/120/1000

**Diamond wire loops** we produce in the length of 1,6 m or 3,0 m or 4,0 m with outer diameter 0,6 mm. Other length on request.

On request, we can also manufacture and deliver other sizes.