



Polishing-, Ceramic Stones & Accessories

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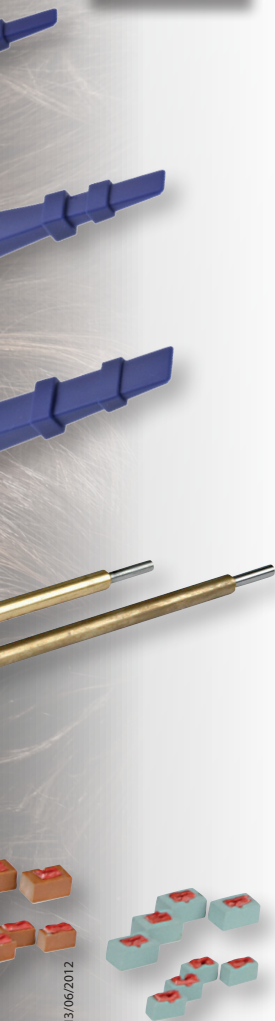






Polishing-, Ceramic Stones & Accessories

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13/06/2012



Info

Polishing stones

REF	Material					Application			Wear	
	Tool steel	Aluminium	Non-ferro	High grade tool steel	Spark eroding structure	0 = Finish machining	5 = Pre-machining	High gloss finish	0 = Slow	5 = Fast
PT 250						2-5			3	
PT 450						1-3			3	
PT 470						1-5			4	
PT 550						2-5			2	
PT 600						2-5			3	
PT 650						0-5			4	
PT 700						3-5			3	
PT 750						0-5			1	
PT 850						0-5			4	
PT 880						0-5			3	
PT 900						0			5	

To avoid build-ups and resulting cracks it is recommended to always use a suitable cutting fluid or cutting oil (BL 10/WK 35) when applying polishing stones with grain size (320), 400, 600 or 900. In this way a blunting of the bond will be avoided and a constant resharping of the cutting grains is guaranteed.



Polishing stones

Info

	Stock Removal		Bonding hardness		Method			Application		Treated			
	0 = Slow	5 = Fast	0 = Soft	5 = Hard	Hand operation	Filing hand piece	Ultra sonic	Dry	Wet	Resin bonded	Oil	Special	Sulphur
	4		3										
	4		3										
	4		3										
	4		4										
	4		3										
	5		2										
	4		3										
	4		5										
	5		2										
	4		3										
	1		0										

To avoid build-ups and resulting cracks it is recommended to always use a suitable cutting fluid or cutting oil (BL 10/WK 35) when applying polishing stones with grain size (320), 400, 600 or 900. In this way a blunting of the bond will be avoided and a constant resharpening of the cutting grains is guaranteed.



PT 250 ...

Polishing stones



Features:

- Total length = 150 mm
- Abrasive material: Aluminium Oxide
- Color: yellow
- A special very hard, sulphured stone for the machining of eroded surfaces.
- We recommend to apply cutting fluid or cutting oil when using fine grain stones, coarse grain stones can be used in a dry state.

REF	* Grain						
	120	150	180	320	400	600	
PT 250 3 x 13 - *	€	€	€	€	€	€	12
PT 250 6 x 6 - *	€	€	€	€	€	€	12
PT 250 6 x 13 - *	€	€	€	€	€	€	12
PT 250 10 x 10 - *	€	€	€	€	€	€	12
PT 250 13 x 13 - *	€	€	€	€	€	€	12
PT 250 15 x 20 - *	€	€	€	€	€	€	6
PT 250 20 x 25 - *	€	€	€	€	€	€	4

PT 450 ...

Polishing stones



Features:

- Total length = 150 mm
- Abrasive material: Aluminium Oxide
- Color: white
- Medium-hard stone for general polishing tasks on sectional steels.
- Machining of all grades of steel by hand and by filing machine.
- For coarse grain size, use in dry state.
- For fine grain size, use cutting fluid or diluent.
- Special stone for sectional or die steels.

REF	* Grain					
	220	320	400	600		
PT 450 3 x 6 - *	€	€	€	€		12
PT 450 3 x 13 - *	€	€	€	€		12
PT 450 6 x 6 - *	€	€	€	€		12
PT 450 6 x 13 - *	€	€	€	€		12
PT 450 13 x 13 - *	€	€	€	€		12
PT 450 13 x 25 - *	€	€	€	€		6



Polishing Stones

PT 470 ...

Features:

- Total length = 150 mm
- Abrasive material: Aluminium Oxide
- Color: white
- Medium hard, especially treated stone for the processing of Aluminium.
- Fast removal of material is achieved due to high cutting efficiency.
- It leaves no scratches or damage on the surface.
- The use of lapping- and polishing oil is recommended



REF	* Grain							
	150	220	320	400	600			
PT 470 3 x 6 - *	€	€	€	€	€		12	
PT 470 3 x 13 - *	€	€	€	€	€		12	
PT 470 6 x 6 - *	€	€	€	€	€		12	
PT 470 6 x 13 - *	€	€	€	€	€		12	

Polishing Stones

PT 550 ...

Features:

- Total length = 150 mm
- Abrasive material: Aluminium Oxide
- Color: dark brown
- Profile-stable special stone for the removal of the surface left by EDM.
- The high cutting capacity ensures fast removal of material.
- Suitable for machining by hand, with a filing machine and in particular with ultrasonic polishing machines.
- The use of an oil-free lubricant is recommended.

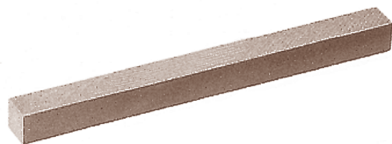


REF	* Grain									
	100	120	150	180	220	280	320	400	600	
PT 550 3 x 3 - *					€		€	€	€	12
PT 550 3 x 6 - *	€	€	€	€	€	€	€	€	€	12
PT 550 3 x 13 - *					€		€	€	€	12
PT 550 6 x 6 - *					€	€	€	€	€	12
PT 550 6 x 13 - *	€	€	€	€	€	€	€	€	€	12
PT 550 10 x 10 - *				€	€		€			12



PT 600 ...

Polishing stones



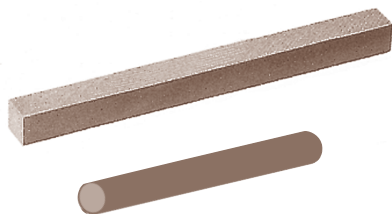
Features:

- Total length = 150 mm
- Abrasive material: Aluminium Oxide
- Color: dark brown
- A semi-hard adaptable stone for the removal of EDM surface.
- Because of its softer bonding it is in particular suitable for polishing by hand.
- The use of an oil-alcohol lubricant is recommended.

REF	* Grain									
	100	120	150	180	220	280	320	400	600	
PT 600 3 x 6 - *	€	€	€	€	€	€	€	€	€	12
PT 600 3 x 13 - *		€		€	€	€	€	€	€	12
PT 600 6 x 6 - *				€	€		€	€	€	12
PT 600 6 x 13 - *		€	€	€	€		€	€	€	12

PT 650 ...

Polishing stones



Features:

- Total length = 150 mm
- Abrasive material: Aluminium Oxide
- Color: brown
- A semi-hard to soft stone, for hand polishing.
- For hand filing devices.
- Produces a soft finish and wears off in a very even way.
- Especially suitable for contoured surfaces due to ideal adaptability, for non-ferrous metals and chromium-nickel steels.

REF	* Grain									
	100	150	180	220	280	320	400	600	900	
PT 650 3 x 6 - *	€	€	€	€	€	€	€	€	€	12
PT 650 3 x 13 - *		€	€	€	€	€	€	€	€	12
PT 650 6 x 6 - *		€		€	€	€	€	€	€	12
PT 650 6 x 13 - *	€	€	€	€	€	€	€	€	€	12
PT 650 6 x 20 - *		€		€	€	€	€	€	€	12
PT 650 10 x 10 - *	€	€		€	€	€	€	€	€	12
PT 650 13 x 25 - *	€		€	€	€	€	€	€	€	6
PT 650 Ø 6 - *		€		€		€	€	€		6
PT 650 Ø 10 - *	€		€		€	€	€			6



Polishing Stones

PT 700 ...

Features:

- Total length = 150 mm
- Abrasive material: Aluminium Oxide
- Color: cream-coloured/ivory white
- A hard porous stone for all polishing tasks.
- Treatment with a special oil prevents loading.
- The use of an oil-alcohol lubricant is recommended.



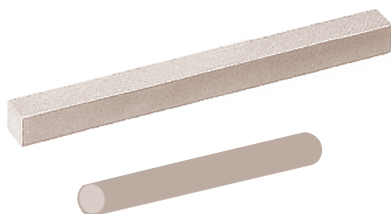
REF	* Grain						
	120	150	220	320	400	600	
PT 700 3 x 6 -*	€	€	€	€	€	€	12
PT 700 3 x 13 -*	€	€	€	€	€	€	12
PT 700 6 x 6 -*	€	€	€	€	€	€	12
PT 700 6 x 13 -*	€	€	€	€	€	€	12
PT 700 10 x 10 -*	€	€	€	€	€	€	12
PT 700 13 x 25 -*	€	€	€	€	€	€	6
PT 700 Ø 6 -*	€	€	€	€	€	€	6

Polishing Stones

PT 750 ...

Features:

- Total length = 150 mm
- Abrasive material: Aluminium Oxide, resin bonded
- Color: light brown
- A hard, resin-bonded stone with high strength against fracture, high shape consistency and cutting efficiency.
- Resin bonding causes a buffer effect between the grains.
- A better finish, considering the respective grain size in connection with the hard bonding.
- Hand operation and in hand filing devices
- For removal of EDM-layers.

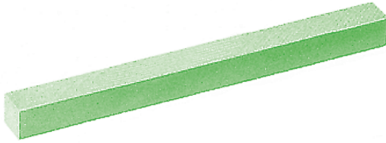


REF	* Grain						
	120	180	220	280	320	400	
PT 750 3 x 6 -*	€	€	€	€	€	€	12
PT 750 6 x 6 -*		€	€	€	€	€	12
PT 750 6 x 13 -*		€	€	€	€	€	12
PT 750 Ø 6 -*				€	€		6




PT 850 ...

Polishing stones



Features:

- Total length = 150 mm
- Abrasive material: Silicon carbide
- Color: green
- A soft-bonded, porous stone with high cutting efficiency and soft finish.
- Hand operation or application in hand filing devices.
- For machining of contoured surfaces, the stone adapts very quickly because of its soft bonding.
- For removal of EDM-layers.

REF	* Grain						
	120	150	220	320	400	600	
PT 850 3 x 6 - *	€		€				12
PT 850 3 x 13 - *	€	€	€	€	€	€	12
PT 850 6 x 6 - *	€	€	€	€	€	€	12
PT 850 6 x 13 - *	€	€	€	€	€	€	12
PT 850 10 x 10 - *		€	€	€	€	€	12
PT 850 13 x 13 - *	€	€	€	€	€		12
PT 850 13 x 25 - *		€	€	€	€	€	12

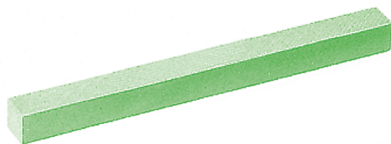



Polishing Stones

PT 880 ...

Features:

- Total length = 150 mm
- Abrasive material: Silicon carbide
- Color: green
- Slightly harder bonding material than PT 850.
- Special stone for the removal of the residue left by ESM on cut and sectional steels.
- Particular suitable for the treatment of hardened steels, punches, dies, steel castings and hot-working steels of HRC 47-63 and harder.
- The use of an oil-alcohol lubricant is recommended.



REF	* Grain						
	120	150	220	320	400	600	
PT 880 4 x 4 - *			€	€	€	€	12
PT 880 3 x 6 - *	€	€	€	€	€	€	12
PT 880 3 x 13 - *	€	€	€	€	€	€	12
PT 880 6 x 6 - *	€	€	€	€	€	€	12
PT 880 6 x 13 - *	€	€	€	€	€	€	12
PT 880 10 x 10 - *			€	€	€	€	12
PT 880 13 x 13 - *		€	€	€	€	€	12
PT 880 13 x 25 - *	€	€	€	€	€	€	12

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PT 900 ...

Polishing stones



Features:

- Total length = 150 mm
- Abrasive material: Levigated Alumina
- Color: white
- It is a very soft-bonded stone, which does not get blunt.
- A very uniform, soft polished section will be achieved.
- Further polishing with diamond paste of grain size 6 or 3 μm will result in high gloss finish.
- Advantageously used at the beginning of minor polishing repairs, operated by hand and using a suitable cutting oil.

REF	* Grain			€
	900			
PT 900 3 x 6 - *	✓		12	
PT 900 3 x 13 - *	✓		12	
PT 900 6 x 6 - *	✓		12	
PT 900 6 x 13 - *	✓		12	

PT

Sample kit



- set of 8 different types
- Dimension : 6x13x 150 mm

Includes:

- PT250 Grain 400
- PT250 Grain 220
- PT450 Grain 220 SE
- PT450 Grain 400 SE
- PT650 Grain 220
- PT650 Grain 400
- PT850 Grain 220
- PT850 Grain 400

REF	€
PT	

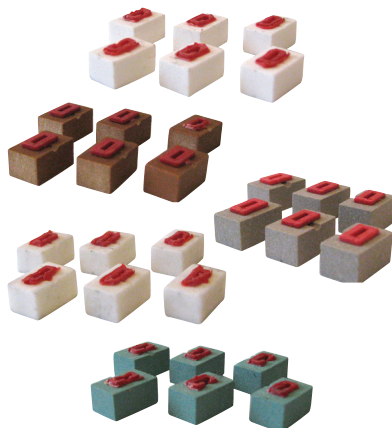



EasyLap, Polishing stones

PT ... EL

Features:

- Dimensions = 10 x 5 x 6 mm and 13 x 8 x 6 mm
- Material and features see polishing stones PT 450 - PT 880
- Identification of grain by color code:
 - Grain 220 - green
 - Grain 320 - red
 - Grain 400 - orange
 - Grain 600 - yellow
 - Grain 900 - white
- To be used in combination of push rods EasyLap



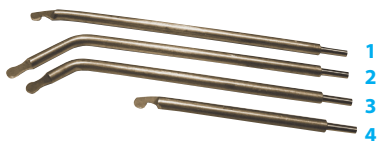
REF	Dimensions	Mat see	* Grain					
			220	320	400	600	900	
PT 4510 EL *	10 x 5 x 6 mm	PT 450 white	€	€	€	€		10
PT 5510 EL *	10 x 5 x 6 mm	PT 550 dark brown	€	€	€	€		10
PT 6510 EL *	10 x 5 x 6 mm	PT 650 brown	€	€	€	€	€	10
PT 7010 EL *	10 x 5 x 6 mm	PT 700 ivory	€	€	€	€		10
PT 8810 EL *	10 x 5 x 6 mm	PT 880 green	€	€	€	€		10

REF	Dimensions	Mat see	* Grain					
			220	320	400	600	900	
PT 4513 EL *	13 x 8 x 6 mm	PT 450 white	€	€	€	€		10
PT 5513 EL *	13 x 8 x 6 mm	PT 550 dark brown	€	€	€	€		10
PT 6513 EL *	13 x 8 x 6 mm	PT 650 brown	€	€	€	€	€	10
PT 7013 EL *	13 x 8 x 6 mm	PT 700 ivory	€	€	€	€		10
PT 8813 EL *	13 x 8 x 6 mm	PT 880 green	€	€	€	€		10



PT 0 ... EL

EasyLap, Push rods



Features:

- Mat.: Brass

REF	Dimensions	shape		€
PT 01 EL	150 mm	1 flat	1	
PT 02 EL	150 mm	2 high	1	
PT 03 EL	150 mm	3 medium	1	
PT 04 EL	80 mm	4 short	1	

PT 1000 EL

EasyLap, Start set



Includes:

- EasyLap, polishing stones:
 - 5 PT 4510 EL 320
 - 5 PT 5510 EL 320
 - 5 PT 6510 EL 320
 - 5 PT 7010 EL 320
 - 5 PT 8810 EL 320
 - 5 PT 2513 EL 320
 - 5 PT 4513 EL 320
 - 5 PT 6513 EL 320
 - 5 PT 7013 EL 320
 - 5 PT 8813 EL 320
- 1 EasyLap push rod PT 01 EL
- 1 EasyLap push rod PT 02 EL
- 1 Storage box

REF	€
PT 1000 EL	

WK 35

Lapping and polishing oil



Features:

- Suitable for all PT-polishing stones and diamond pastes

REF		€
WK 35	1 l	



Polishing stoneholder

PT 220

Features:

- Polishing stoneholders with capacity of max. 14,0 mm.
- Shank-Ø: 3 mm
- Mat.: Steel

REF	€
PT 220	



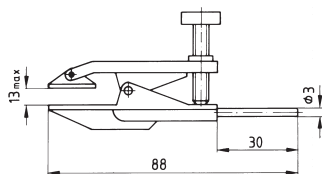
Polishing stoneholder

PT 300

Features:

- Polishing stoneholder up to 13 mm
- Mat.: Steel

REF	€
PT 300	

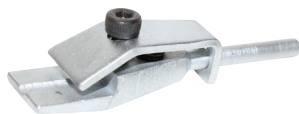


Toolholders «Mini»

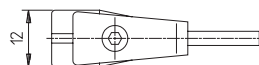
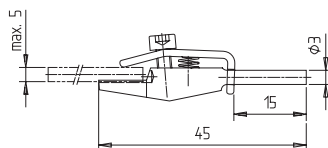
MSH 0503

Features:

- Holder for ceramic stones
- Mat.: Steel



REF	€
MSH 0503	





PT 350

Polishing stoneholder



Features:

- For polishing stones of 3x6, 3x13 and 6x6 mm in size
- Mat.: plastic



REF	€
PT 350	

AZ 220

Bench stones



Features:

- Abrasive material: Aluminium-Oxide
- Total length: 150 mm
- Dimension: 25 x 50 mm
- Grain size: 120 / 320

REF	€
AZ 220	

AZ 245

Bench stones



Features:

- Abrasive material: Silicon carbide
- Total length: 150 mm
- Dimension: 25 x 50 mm
- Grain size: 120 / 320

REF	€
AZ 245	



Grinding stones

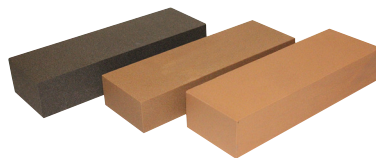
AZ ...


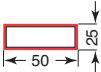




Features:

Oil treated industrial sharpening stones, used for deburring, sharpening and honing.

Available in coarse (120 grit), medium (220 grit), and fine (320 grit).

Abrasive material: Aluminium Oxide



REF	Grain	Total length		€	Shape
AZ 015	120	150	1		
AZ 040	220				
AZ 065	320				
AZ 255	120	100	12		
AZ 290	220				
AZ 325	320				
AZ 465	120	100	12		
AZ 500	220				
AZ 535	320				
AZ 669	120	100	12		
AZ 683	220				
AZ 697	320				
AZ 747	120	100	12		
AZ 754	220				
AZ 761	320				
AZ 770	120	100	12		
AZ 775	220				
AZ 780	320				

5



Info

New super stones

**Application**

Ceramic stones are used for surface finishing of molds. They are also excellently applicable for grinding and polishing of alloyed and non-alloyed tool steels, cast iron, various alloy metals, copper, aluminium, silicon, magnetic materials, stones, plastics, etc.

Shape

Ceramic grinding stones are of either round or rectangular cross-section.
Lengths: 40 mm, 100 mm, 150 mm

Material

Ceramic stones are made of a new composite material comprised of long fine ceramic fibres and thermo-setting resin. The abrasive ceramic fibres always come out frontally.

Advantages

- excellent grinding performance
- long life
- highly stable properties
- nearly unbreakable (flexible)
- uniform surface finishing work
- easily profileable

Handling

The surface finishing work is done either manually, or with high-frequency grinding and filing handpieces, or with ultrasonic lap and polishing machines. In the field of high-frequency hand operated machines we recommend our power pack PA 480, PA 240 combined with LA 051 for round ceramic stones or connected to filing handpieces RE 35, RE 55.

Due to their high rigidity shorter dimension of ceramic stones are excellently suited for the ultrasonic surface finishing work. In this application machines like UF 2600 or UF 5600 are connected with handpiece UF 9700.

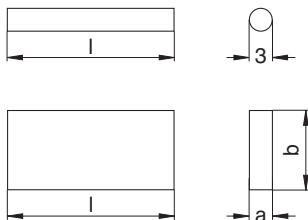
Using this equipment we recommend using ceramic stones at an angle of about 45° between workpiece surface and handpiece. The stones are fixed with adaptors in the handpiece.

Due to their highly stable properties and extremely long life ceramic stones are also used as carriers for diamond pastes when fine and ultra-fine polishing work is necessary for thin break-throughs, cavities and slits. In this case ceramic grinding stones are used parallel to the workpiece surface.



New super stones

NS ...



REF	Grain	Shape	Color	a x b	l	€
NSE 0501 L	120			0,5 x 1	150	
NSG 0501 L	180			0,5 x 1	150	
NSL 0501 L	300			0,5 x 1	150	
NSO 0501 L	400			0,5 x 1	150	
NSP 0501 L	600			0,5 x 1	150	
NSB 0501 L	800			0,5 x 1	150	
NSW 0501 L	1000			0,5 x 1	150	
NSR 0501 L	1200			0,5 x 1	150	
NSE 052 L	120			0,5 x 2	150	
NSG 052 L	180			0,5 x 2	150	
NSL 052 L	300			0,5 x 2	150	
NSO 052 L	400			0,5 x 2	150	
NSP 052 L	600			0,5 x 2	150	
NSB 052 L	800			0,5 x 2	150	
NSW 052 L	1000			0,5 x 2	150	
NSR 052 L	1200			0,5 x 2	150	
NSE 054 L	120			0,5 x 4	150	
NSG 054 L	180			0,5 x 4	150	
NSL 054 L	300			0,5 x 4	150	
NSO 054 L	400			0,5 x 4	150	
NSP 054 L	600			0,5 x 4	150	
NSB 054 L	800			0,5 x 4	150	
NSW 054 L	1000			0,5 x 4	150	
NSR 054 L	1200			0,5 x 4	150	
NSE 056 L	120			0,5 x 6	150	
NSG 056 L	180			0,5 x 6	150	
NSL 056 L	300			0,5 x 6	150	
NSO 056 L	400			0,5 x 6	150	
NSP 056 L	600			0,5 x 6	150	
NSB 056 L	800			0,5 x 6	150	
NSW 056 L	1000			0,5 x 6	150	
NSR 056 L	1200			0,5 x 6	150	

5





NS ...

New super stones

REF	Grain	Shape	Color	a x b	l	€
NSE 051	L	120		0,5 x 10	150	
NSG 051	L	180		0,5 x 10	150	
NSL 051	L	300		0,5 x 10	150	
NSO 051	L	400		0,5 x 10	150	
NSP 051	L	600		0,5 x 10	150	
NSB 051	L	800		0,5 x 10	150	
NSW 051	L	1000		0,5 x 10	150	
NSR 051	L	1200		0,5 x 10	150	
NSE 081	L	120		0,8 x 1	150	
NSG 081	L	180		0,8 x 1	150	
NSL 081	L	300		0,8 x 1	150	
NSO 081	L	400		0,8 x 1	150	
NSP 081	L	600		0,8 x 1	150	
NSB 081	L	800		0,8 x 1	150	
NSW 081	L	1000		0,8 x 1	150	
NSR 081	L	1200		0,8 x 1	150	
NSE 082	L	120		0,8 x 2	150	
NSG 082	L	180		0,8 x 2	150	
NSL 082	L	300		0,8 x 2	150	
NSO 082	L	400		0,8 x 2	150	
NSP 082	L	600		0,8 x 2	150	
NSB 082	L	800		0,8 x 2	150	
NSW 082	L	1000		0,8 x 2	150	
NSR 082	L	1200		0,8 x 2	150	
NSE 084	L	120		0,8 x 4	150	
NSG 084	L	180		0,8 x 4	150	
NSL 084	L	300		0,8 x 4	150	
NSO 084	L	400		0,8 x 4	150	
NSP 084	L	600		0,8 x 4	150	
NSB 084	L	800		0,8 x 4	150	
NSW 084	L	1000		0,8 x 4	150	
NSR 084	L	1200		0,8 x 4	150	
NSE 086	L	120		0,8 x 6	150	
NSG 086	L	180		0,8 x 6	150	
NSL 086	L	300		0,8 x 6	150	
NSO 086	L	400		0,8 x 6	150	
NSP 086	L	600		0,8 x 6	150	
NSB 086	L	800		0,8 x 6	150	
NSW 086	L	1000		0,8 x 6	150	
NSR 086	L	1200		0,8 x 6	150	



New super stones

NS ...

REF	Grain	Shape	Color	a x b	l	€
NSE 801 L	120			0,8 x 10	150	
NSG 801 L	180			0,8 x 10	150	
NSL 801 L	300			0,8 x 10	150	
NSO 801 L	400			0,8 x 10	150	
NSP 801 L	600			0,8 x 10	150	
NSB 801 L	800			0,8 x 10	150	
NSW 801 L	1000			0,8 x 10	150	
NSR 801 L	1200			0,8 x 10	150	
NSE 101 L	120			1,0 x 1	150	
NSG 101 L	180			1,0 x 1	150	
NSL 101 L	300			1,0 x 1	150	
NSO 101 L	400			1,0 x 1	150	
NSP 101 L	600			1,0 x 1	150	
NSB 101 L	800			1,0 x 1	150	
NSW 101 L	1000			1,0 x 1	150	
NSR 101 L	1200			1,0 x 1	150	
NSE 102 L	120			1,0 x 2	150	
NSG 102 L	180			1,0 x 2	150	
NSL 102 L	300			1,0 x 2	150	
NSO 102 L	400			1,0 x 2	150	
NSP 102 L	600			1,0 x 2	150	
NSB 102 L	800			1,0 x 2	150	
NSW 102 L	1000			1,0 x 2	150	
NSR 102 L	1200			1,0 x 2	150	
NSE 104 L	120			1,0 x 4	150	
NSG 104 L	180			1,0 x 4	150	
NSL 104 L	300			1,0 x 4	150	
NSO 104 L	400			1,0 x 4	150	
NSP 104 L	600			1,0 x 4	150	
NSB 104 L	800			1,0 x 4	150	
NSW 104 L	1000			1,0 x 4	150	
NSR 104 L	1200			1,0 x 4	150	
NSE 106 L	120			1,0 x 6	150	
NSG 106 L	180			1,0 x 6	150	
NSL 106 L	300			1,0 x 6	150	
NSO 106 L	400			1,0 x 6	150	
NSP 106 L	600			1,0 x 6	150	
NSB 106 L	800			1,0 x 6	150	
NSW 106 L	1000			1,0 x 6	150	
NSR 106 L	1200			1,0 x 6	150	

5





NS ...

New super stones

REF	Grain	Shape	Color	a x b	l	€
NSE 110 L	120			1,0 x 10	150	
NSG 110 L	180			1,0 x 10	150	
NSL 110 L	300			1,0 x 10	150	
NSO 110 L	400			1,0 x 10	150	
NSP 110 L	600			1,0 x 10	150	
NSB 110 L	800			1,0 x 10	150	
NSW 110 L	1000			1,0 x 10	150	
NSR 110 L	1200			1,0 x 10	150	
NSE 151 L	120			1,5 x 1	150	
NSG 151 L	180			1,5 x 1	150	
NSL 151 L	300			1,5 x 1	150	
NSO 151 L	400			1,5 x 1	150	
NSP 151 L	600			1,5 x 1	150	
NSB 151 L	800			1,5 x 1	150	
NSW 151 L	1000			1,5 x 1	150	
NSR 151 L	1200			1,5 x 1	150	
NSE 152 L	120			1,5 x 2	150	
NSG 152 L	180			1,5 x 2	150	
NSL 152 L	300			1,5 x 2	150	
NSO 152 L	400			1,5 x 2	150	
NSP 152 L	600			1,5 x 2	150	
NSB 152 L	800			1,5 x 2	150	
NSW 152 L	1000			1,5 x 2	150	
NSR 152 L	1200			1,5 x 2	150	
NSE 154 L	120			1,5 x 4	150	
NSG 154 L	180			1,5 x 4	150	
NSL 154 L	300			1,5 x 4	150	
NSO 154 L	400			1,5 x 4	150	
NSP 154 L	600			1,5 x 4	150	
NSB 154 L	800			1,5 x 4	150	
NSW 154 L	1000			1,5 x 4	150	
NSR 154 L	1200			1,5 x 4	150	
NSE 156 L	120			1,5 x 6	150	
NSG 156 L	180			1,5 x 6	150	
NSL 156 L	300			1,5 x 6	150	
NSO 156 L	400			1,5 x 6	150	
NSP 156 L	600			1,5 x 6	150	
NSB 156 L	800			1,5 x 6	150	
NSW 156 L	1000			1,5 x 6	150	
NSR 156 L	1200			1,5 x 6	150	



New super stones

NS ...

REF	Grain	Shape	Color	a x b	l	€
NSE 150	L	120		1,5 x 10	150	
NSG 150	L	180		1,5 x 10	150	
NSL 150	L	300		1,5 x 10	150	
NSO 150	L	400		1,5 x 10	150	
NSP 150	L	600		1,5 x 10	150	
NSB 150	L	800		1,5 x 10	150	
NSW 150	L	1000		1,5 x 10	150	
NSR 150	L	1200		1,5 x 10	150	
NSE 202	L	120		2,0 x 2	150	
NSG 202	L	180		2,0 x 2	150	
NSL 202	L	300		2,0 x 2	150	
NSO 202	L	400		2,0 x 2	150	
NSP 202	L	600		2,0 x 2	150	
NSB 202	L	800		2,0 x 2	150	
NSW 202	L	1000		2,0 x 2	150	
NSR 202	L	1200		2,0 x 2	150	
NSE 204	L	120		2,0 x 4	150	
NSG 204	L	180		2,0 x 4	150	
NSL 204	L	300		2,0 x 4	150	
NSO 204	L	400		2,0 x 4	150	
NSP 204	L	600		2,0 x 4	150	
NSB 204	L	800		2,0 x 4	150	
NSW 204	L	1000		2,0 x 4	150	
NSR 204	L	1200		2,0 x 4	150	
NSE 206	L	120		2,0 x 6	150	
SG 206	L	180		2,0 x 6	150	
NSL 206	L	300		2,0 x 6	150	
NSO 206	L	400		2,0 x 6	150	
NSP 206	L	600		2,0 x 6	150	
NSB 206	L	800		2,0 x 6	150	
NSW 206	L	1000		2,0 x 6	150	
NSR 206	L	1200		2,0 x 6	150	
NSE 210	L	120		2,0 x 10	150	
NSG 210	L	180		2,0 x 10	150	
NSL 210	L	300		2,0 x 10	150	
NSO 210	L	400		2,0 x 10	150	
NSP 210	L	600		2,0 x 10	150	
NSB 210	L	800		2,0 x 10	150	
NSW 210	L	1000		2,0 x 10	150	
NSR 210	L	1200		2,0 x 10	150	





NS ...

New super stones

REF	Grain	Shape	Color	a x b	l	€
NSE 301 L	120	□		3,0 x 1	150	
NSG 301 L	180	□		3,0 x 1	150	
NSL 301 L	300	□		3,0 x 1	150	
NSO 301 L	400	□		3,0 x 1	150	
NSP 301 L	600	□		3,0 x 1	150	
NSB 301 L	800	□		3,0 x 1	150	
NSW 301 L	1000	□		3,0 x 1	150	
NSR 301 L	1200	□		3,0 x 1	150	
NSE 302 L	120	□		3,0 x 2	150	
NSG 302 L	180	□		3,0 x 2	150	
NSL 302 L	300	□		3,0 x 2	150	
NSO 302 L	400	□		3,0 x 2	150	
NSP 302 L	600	□		3,0 x 2	150	
NSB 302 L	800	□		3,0 x 2	150	
NSW 302 L	1000	□		3,0 x 2	150	
NSR 302 L	1200	□		3,0 x 2	150	
NSE 304 L	120	□		3,0 x 4	150	
NSG 304 L	180	□		3,0 x 4	150	
NSL 304 L	300	□		3,0 x 4	150	
NSO 304 L	400	□		3,0 x 4	150	
NSP 304 L	600	□		3,0 x 4	150	
NSB 304 L	800	□		3,0 x 4	150	
NSW 304 L	1000	□		3,0 x 4	150	
NSR 304 L	1200	□		3,0 x 4	150	
NSE 306 L	120	□		3,0 x 6	150	
NSG 306 L	180	□		3,0 x 6	150	
NSL 306 L	300	□		3,0 x 6	150	
NSO 306 L	400	□		3,0 x 6	150	
NSP 306 L	600	□		3,0 x 6	150	
NSB 306 L	800	□		3,0 x 6	150	
NSW 306 L	1000	□		3,0 x 6	150	
NSR 306 L	1200	□		3,0 x 6	150	
NSE 310 L	120	□		3,0 x 10	150	
NSG 310 L	180	□		3,0 x 10	150	
NSL 310 L	300	□		3,0 x 10	150	
NSO 310 L	400	□		3,0 x 10	150	
NSP 310 L	600	□		3,0 x 10	150	
NSB 310 L	800	□		3,0 x 10	150	
NSW 310 L	1000	□		3,0 x 10	150	
NSR 310 L	1200	□		3,0 x 10	150	



New super stones

NS ...

REF	Grain	Shape	Color	∅	l	€
NSE D 23 A	120	○		2,35	50	
NSG D 23 A	180	○		2,35	50	
NSL D 23 A	300	○		2,35	50	
NSO D 23 A	400	○		2,35	50	
NSP D 23 A	600	○		2,35	50	
NSB D 23 A	800	○		2,35	50	
NSW D 23 A	1000	○		2,35	50	
NSR D 23 A	1200	○		2,35	50	
NSE D 23 B	120	○		2,35	100	
NSG D 23 B	180	○		2,35	100	
NSL D 23 B	300	○		2,35	100	
NSO D 23 B	400	○		2,35	100	
NSP D 23 B	600	○		2,35	100	
NSB D 23 B	800	○		2,35	100	
NSW D 23 B	1000	○		2,35	100	
NSR D 23 B	1200	○		2,35	100	
NSE D 23 L	120	○		2,35	150	
NSG D 23 L	180	○		2,35	150	
NSL D 23 L	300	○		2,35	150	
NSO D 23 L	400	○		2,35	150	
NSP D 23 L	600	○		2,35	150	
NSB D 23 L	800	○		2,35	150	
NSW D 23 L	1000	○		2,35	150	
NSR D 23 L	1200	○		2,35	150	
NSE D 3 A	120	○		3,0	50	
NSG D 3 A	180	○		3,0	50	
NSL D 3 A	300	○		3,0	50	
NSO D 3 A	400	○		3,0	50	
NSP D 3 A	600	○		3,0	50	
NSB D 3 A	800	○		3,0	50	
NSW D 3 A	1000	○		3,0	50	
NSR D 3 A	1200	○		3,0	50	
NSE D 3 B	120	○		3,0	100	
NSG D 3 B	180	○		3,0	100	
NSL D 3 B	300	○		3,0	100	
NSO D 3 B	400	○		3,0	100	
NSP D 3 B	600	○		3,0	100	
NSB D 3 B	800	○		3,0	100	
NSW D 3 B	1000	○		3,0	100	
NSR D 3 B	1200	○		3,0	100	





NS ...

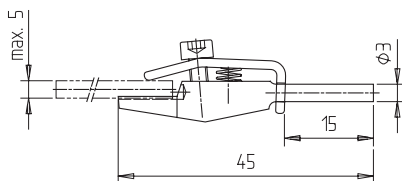
New super stones

REF	Grain	Shape	Color	Ø	l	€
NSE D3 L	120	○		3,0	150	
NSG D3 L	180	○		3,0	150	
NSL D3 L	300	○		3,0	150	
NSO D3 L	400	○		3,0	150	
NSP D3 L	600	○		3,0	150	
NSB D3 L	800	○		3,0	150	
NSW D3 L	1000	○		3,0	150	
NSR D3 L	1200	○		3,0	150	
NSE DI A	120	○		3,175	50	
NSG DI A	180	○		3,175	50	
NSL DI A	300	○		3,175	50	
NSO DI A	400	○		3,175	50	
NSP DI A	600	○		3,175	50	
NSB DI A	800	○		3,175	50	
NSW DI A	1000	○		3,175	50	
NSR DI A	1200	○		3,175	50	
NSE DI B	120	○		3,175	100	
NSG DI B	180	○		3,175	100	
NSL DI B	300	○		3,175	100	
NSO DI B	400	○		3,175	100	
NSP DI B	600	○		3,175	100	
NSB DI B	800	○		3,175	100	
NSW DI B	1000	○		3,175	100	
NSR DI B	1200	○		3,175	100	
NSE DI L	120	○		3,175	150	
NSG DI L	180	○		3,175	150	
NSL DI L	300	○		3,175	150	
NSO DI L	400	○		3,175	150	
NSP DI L	600	○		3,175	150	
NSB DI L	800	○		3,175	150	
NSW DI L	1000	○		3,175	150	
NSR DI L	1200	○		3,175	150	



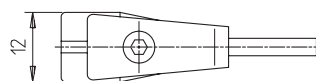
Holder for ceramic stones

MSH 0503



Features:

- Mat.: Steel



REF	€
MSH 0503	





SSH ...

Holder for ceramic stones



Features:

- Mat.: plastic

REF	for ceramic stones			€
	Height	Width	Length	
SSH 1	0,8 - 3,0	1	150	
SSH 2	0,8 - 3,0	2	150	
SSH 4	0,8 - 3,0	4	150	
SSH 6	0,8 - 3,0	6	150	
SSH 10	0,8 - 3,0	10	150	
SSH 20	Set: SSH 4, SSH 6, SSH 10			

Info

Super diamond stones

Application

Super diamond stones SDS are used for surface finishing of moulds. They are also excellently applicable for grinding and polishing of alloyed and non-alloyed tool steels, cast iron, various alloy metals, copper, aluminium, silicon, magnetic materials, stones, plastics, etc.

Shape

SDS stones are of either round or rectangular cross-section.
Lengths: 50 mm, 100 mm

Material

SDS stones are made of a new composite material comprised of long fine ceramic fibres. Diamond grains in different layers are bonded in epoxy resin.

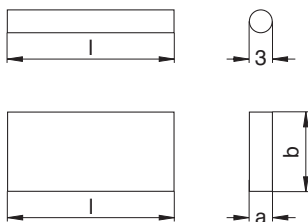
Advantages

- excellent grinding performance
- long life
- highly stable properties
- nearly unbreakable (flexible)
- uniform surface finishing work
- easily profileable



Super diamond stones

SDS ...



REF	Grain	Shape	a x b	l	€
SDS 142	200	l flat	1,0 x 4	100	
SDS 144	400	l flat	1,0 x 4	100	
SDS 146	600	l flat	1,0 x 4	100	
SDS 162	200	l flat	1,0 x 6	100	
SDS 164	400	l flat	1,0 x 6	100	
SDS 166	600	l flat	1,0 x 6	100	
SDS 112	200	l flat	1,0 x 10	100	
SDS 114	400	l flat	1,0 x 10	100	
SDS 116	600	l flat	1,0 x 10	100	
			∅		€
SDS 32 A	200	l round	3,0	50	
SDS 34 A	400	l round	3,0	50	
SDS 36 A	600	l round	3,0	50	
SDS 32 B	200	l round	3,0	100	
SDS 34 B	400	l round	3,0	100	
SDS 36 B	600	l round	3,0	100	

5

Deburring tools

WF ...

Features:

- Safe deburring of hard plastics, non ferrous metals and mould steels.
- Ceramic blade



WF 620



WF 1540

REF	€
WF 620	
WF 1540	



RU 13 ...

Dressing stone



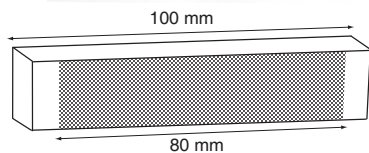
Features:

- Mat. : SIC
- A = fine
- B = coarse

REF	Dimension	quality grade		Total length
		A	B	
RU 1380 A	15 x 25	€		50
RU 1380 B	15 x 25		€	50
RU 1390 A	15 x 30	€		100
RU 1390 B	15 x 30		€	100

DA 73

Diamond true off strips



Features:

- Grain: D 64
- Dimensions : 20 x 8 x 100 mm

REF	€
DA 73	

HA 7 ...

Hand dressing diamonds



REF	Wheel-Ø	a x b	l	Carat	€
HA 71	≤ 350	25 X 10	260	2,0	
HA 72	≥ 350	25 X 10	260	3,0	



True off diamonds

AD 1485 ...

Features:

- with cylindrical shank



REF	Shank-Ø	Wheel-Ø	Carat	€
AD 1485 0,30	Ø 8 x 90	≤ 100	0,30	
AD 1485 0,50	Ø 8 x 90	≤ 200	0,50	
AD 1485 0,75	Ø 8 x 90	≤ 300	0,75	

Micro holder

SSH-5S

Features:

- For delicate precision finishing
- Small and light (weight: 14 gr)
- Best suited for fine detail work
- Includes 1 set of super stones (SE054S, SL054S, SB054S)



REF	€
SSH-5S	

Micro Finish precision deburring tool

MF 400

Features:

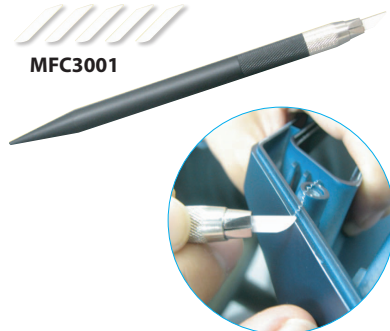
- Ideal for curved and complicated shapes
- Safe, ceramic knife without sharp edges
- Includes 2 blades and protective cap

Also available:

Spare ceramic blades set of 5 (MFC3001)



MFC3001



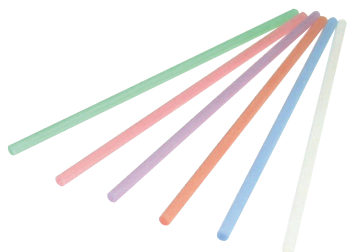
REF	€
MF 400	

5



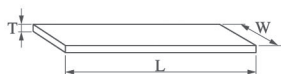
JR...

Crystal Fiber Stone Cristone®



made with the highest quality, chemically produced crystal fibers. The crystalline structure of the crystal fibers offers high polishing efficiency and incredible bending strength. These are the perfect stones for detail polishing.

Prices upon request.



Size TxWxL (ØDxL)	#150 ● 40µ	#200 ● 36µ	#400 ● 30µ	#600 ● 20µ	#800 ● 15µ	#1000 ● 10µ	Tool holder
1x2x100	JR150-0102100	JR200-0102100	JR400-0102100	JR600-0102100	JR800-0102100	JR1000-0102100	SSH2
1x4x100	JR150-0104100	JR200-0104100	JR400-0104100	JR600-0104100	JR800-0104100	JR1000-0104100	SSH4
1x6x100	JR150-0106100	JR200-0106100	JR400-0106100	JR600-0106100	JR800-0106100	JR1000-0106100	SSH6
1x10x100	JR150-0110100	JR200-0110100	JR400-0110100	JR600-0110100	JR800-0110100	JR1000-0110100	SSH10
1x13x100	JR150-0113100	JR200-0113100	JR400-0113100	JR600-0113100	JR800-0113100	JR1000-0113100	
Ø3x50	JR150-030050	JR200-030050	JR400-030050	JR600-030050	JR800-030050	JR1000-030050	
Ø3x100	JR150-0300100	JR200-0300100	JR400-0300100	JR600-0300100	JR800-0300100	JR1000-0300100	
Ø2.35x50	JR150-023550	JR200-023550	JR400-023550	JR600-023550	JR800-023550	JR1000-023550	
Ø2.35x100	JR150-0235100	JR200-0235100	JR400-0235100	JR600-0235100	JR800-0235100	JR1000-0235100	
0.3x0.3x100	JR150-0303100	JR200-0303100	JR400-0303100	JR600-0303100	JR800-0303100	JR1000-0303100	SNH05
0.5x0.5x100	JR150-0505100	JR200-0505100	JR400-0505100	JR600-0505100	JR800-0505100	JR1000-0505100	SNH07
0.7x0.7x100	JR150-0707100	JR200-0707100	JR400-0707100	JR600-0707100	JR800-0707100	JR1000-0707100	SNH09
0.9x0.9x100	JR150-0909100	JR200-0909100	JR400-0909100	JR600-0909100	JR800-0909100	JR1000-0909100	SNH13

SNH

Mini Stone Holder



REF	Description	€
SNH05	for 0.3mm square	
SNH07	for 0.5mm square	
SNH09	for 0.7mm square	
SNH13	for 0.9mm square	
SNH20	for 1.4mm square / 2mm round	