



#### Main features

- Supplied CBN (cubic boron nitride) grinding wheel for HSS bits
- Option to install SDC (synthetic diamond) grinding wheel for MD bits (optional)
- Excellent quality sharpening, accuracy +/- 0.02 mm
- Sharpening angle adjustable from 90/95° to 135/140° depending on the model
- Tip core reduction (self-centering or split point sharpening)
- Collet chuck equipped with ball bearings
- Sharpening housing on ball bearing
- Simple and fast to use
- Versions for drills diam. 3 to 13 mm, diam. 3 to 20 mm diam. 12 to 26 mm and diam. 3 to 32 mm (this last version has 2 grinding wheels installed on the sharpening machine)
- 220-230 volts 50 Hz power supply with protection fuse
- CE standards and quick user guide



Model Z13



Model Z20



Model Z26



Model Z32 equipped with 2 grinding wheels  
one for drills from d. 3 to 13 mm and the other for drills from d. 13 to 32 mm

Technical Data	Sharpening machine models			
	Z13	Z20 and ZS20	Z26	Z32
	sharpening according to DIN1412 regulations form N and form C	sharpening according to DIN1412 regulations form N and form C (ZS20 only 4-plane sharpening)	sharpening according to DIN1412 regulations form N and form C	sharpening according to DIN1412 regulations form N and form C
Drill diameter	3 - 13 mm (expandable to 14 mm)	3 – 20 mm	12 - 26 mm (expandable from 8 - 30 mm)	3 – 32 mm
Sharpening angle	90° – 140°	95° – 140°	95° – 140°	90° – 140° / 95° – 135°
Grinding wheel	CBN	CBN	CBN	CBN 2 pieces small and large
RPM grinding wheel	4800	4800	4400	4400
Engine	120 watts direct current	180 watts direct current	250 watts direct current	250 watts direct current
Power supply	220-230 Volts 50/60 Hz	220-230 Volts 50/60 Hz	220-230 Volt s50/60 Hz	220-230 Volts 50/60 Hz
Dimensions	390x220x210 mm	390x220x210 mm	430x230x210 mm	400x260x300 mm
Weight	10 Kg.	10 Kg.	25 Kg.	33 Kg.
Equipment	Set of 11 ER20 spring collets	Series of 18 spring collets: ER20 3 to 13 mm ER25 14 to 20 mm with 2 chucks	Set of 14 ER40* spring collets	Set of 30 spring collets: ER20 3 to 13 mm ER40 12 to 32 with 2 chucks

\* the Z26 model can sharpen drills from diam. 8 mm to 30 mm, it is necessary to purchase the kit of 9 ER 40 collets diam. 8-7 9-8 10-9 11-10 12-11 27-26 28-27 29-28 30-29 mm code AF-SP

#### Available models

Item code	Description
Z13	Sharpening machine for twist drills according to DIN 1412 form N and C from diam. 3 to 13 mm with CBN grinding wheel for HSS
Z20	Sharpening machine for twist drills according to DIN 1412 form N and C from diam. 3 to 20 mm with CBN grinding wheel for HSS
Z26	Sharpening machine for twist drills according to DIN 1412 form N and C from diam. 12 to 26 mm with CBN grinding wheel for HSS
Z32	Sharpening machine for twist drills according to DIN 1412 form N and C from diam. 3 to 32 mm with CBN grinding wheel for HSS
Z-CBN1	Grinding wheel CBN230 diam. 78 x 11 mm hole 12.7 mm for HSS bits for Z13 and Z32 sharpening machine (small grinding wheel)
Z-SDC1	SDC230 grinding wheel diam. 78 x 11 mm hole 12.7 mm for MD bits for Z13 and Z32 sharpening machine (small grinding wheel)
Z-CBN2	CBN230 grinding wheel diam. 78 x 16 mm hole 12.7 mm for HSS drills for Z20 sharpening machine
Z-SDC2	SDC230 grinding wheel diam. 78 x 16 mm hole 12.7 mm for MD bits for Z20 sharpening machine
Z-CBN3	CBN100 grinding wheel diam. 101 x 22 mm hole 19 mm for HSS drills for Z26 and Z32 sharpening machine
Z-SDC3	SDC100 grinding wheel diam. 101 x 22 mm hole 19 mm for MD bits for Z26 and Z32 sharpening machine
Z-ER20-14-13	ER20 collet diam. 14-13 mm to expand the range of bit diameter for the Z13 sharpening machine
AF-SP	ER 40 collet series to expand the range of tip diameters from 8 to 30 mm for the Z26 sharpening machine consisting of D. 8-7 9-8 10-9 11-10 12-11 27-26 28-27 29-28 30-29 mm

Spare parts for previous model sharpening machines PP13C PP26 PP30	
ST-CBN1	CBN200 grinding wheel diam. 77.6 x 10.2 mm hole 12.7 mm for HSS drills for sharpening machine PP-13C
ST-SDC1	SDC200 grinding wheel diam. 77.6 x 10.2 mm hole 12.7 mm for MD bits for sharpening machine PP-13C
ST-CBN3	CBN200 grinding wheel diam. 108.5 x 20.5 mm hole 20 mm for HSS bits for sharpening machine PP-26 and PP-30
ST-SDC3	SDC200 grinding wheel diam. 108.5 x 20.5 mm bore 20 mm for MD bits for sharpening machine PP-26 and PP-30
ST-CBNSDC1	CBN-SDC200 grinding wheel diam. 77.6 x 10.2 mm hole 12.7 mm for HSS and MD drills for sharpening machine PP-13C
Spare parts for previous model sharpening machines AF2-13 and AF12-25:	
CBN1	CBN200 grinding wheel diam. 80 x 10.9 mm hole 13 mm for HSS bits for AF2-13 sharpening machine
SDC1	SDC200 grinding wheel diam. 80 x 10.9 mm bore 13 mm for MD bits for AF2-13 sharpening machine
CBN3	CBN200 grinding wheel diam. 106 x 17.1 mm hole 16.3 mm for HSS drills for sharpening machine AF12-25
SDC3	SDC200 grinding wheel diam. 106 x 17.1 mm hole 16.3 mm for MD bits for AF12-25 sharpening machine

**NEW ZS20 MODEL:** Specially designed for carbide helical drills even with coolant holes, from diam. 3 to 20 mm, with sharpening according to DIN 1412 in 4 planes like the image below, (features like model Z20)



Item code	Description
ZS20	Sharpening machine for tungsten carbide helical drills according to DIN 1412 with 4 planes diam. 3 to 20 mm, also with coolant holes, for drills with sharpening according to DIN 1412 with 4 planes, supplied with carbide SDC grinding wheel
ZS-SDC2	SDC230 grinding wheel diam. 78 x 16 mm hole 12.7 mm for MD bits for ZS20 sharpening machine