

Centre Grinding Machines type ZS 1000	
1000-000-100	ZS 1000, workpiece length up to 1000 mm
1000-000-200	ZS 1000, workpiece length up to 2000 mm
1000-000-300	ZS 1000, workpiece length up to 3000 mm
Standard Equipment for ZS 1000	
101-150-000	Standard electric 3 x 400 V, 50 Hz, N, PE
1000-030-000	Centric clamping vice, clamping range Ø 30 - 275 mm, X-Y adjustment
1000-013-002	Tailstock, 3 heights adjustable, max. load 1000 kg, dead centre 60° Ø 58 mm
940-054-001	High-frequency motor spindle 30.000 1/min.
1000-151-000	Grinding spindle continuously adjustable 3.000 - 30.000 1/min
1301-004	Collet DIN 6388 Ø 6 mm
1301-006	Collet DIN 6388 Ø 8 mm
1000-040-000	Semi-automatic dressing device
1000-153-000	Positioning of Z axis with electronic hand wheel
1000-130-000	Digital display for Z axis
101-020-5101	Protective shield for ZS 101/151/201
2000-002	Fine corundum grinding pin Ø 10 mm, shaft Ø 6 mm
2000-003	Fine corundum grinding pin Ø 20 mm, shaft Ø 6 mm
2000-004	Fine corundum grinding pin Ø 15/30 mm, shaft Ø 6 mm
1295-053	Halogen lamp
1051-010	Dial gauge for aligning the vice
1051-011	Dial gauge holder
201-220-99001	Test arbor for clamping range Ø 10 - 250 mm
101-120-000	Electrical set-up for dust extraction
101-050-000	Electrical set-up for workpiece drive
101-180-000	Manual, test protocol
Optional Equipment for ZS 1000	
1000-021-000	Swiveling grinding head
1000-210-001	Electrically driven vice for machines without workpiece-drive unit
1000-210-002	Electrically driven vice for machines with workpiece-drive unit
1000-022-000	Swiveling centre point
1000-120-001	Dust extraction
200-050-000	Workpiece-drive unit
101-220-005	Tailstock reducing sleeve MT 4
101-220-0901	Centre point for workpiece length shorter 120 mm
101-220-1501	Centre point for workpiece drive for workpiece length shorter 120 mm
101-220-1001	Centering cone Ø 50/110 mm

Grinding Tools for Centre Grinding Machines	
2000-002	Fine corundum grinding pin Ø 10 mm, shaft Ø 6 mm
2000-003	Fine corundum grinding pin Ø 20 mm, shaft Ø 6 mm
2000-003	Fine corundum grinding pin Ø 20 mm, shaft Ø 6 mm
2001-001	CBN coated grinding pin Ø 10 mm, shaft Ø 6 mm
2001-002	CBN coated grinding pin Ø 20 mm, shaft Ø 6 mm
2001-003	CBN coated grinding pin Ø 15/30 mm, shaft Ø 8 mm
2001-006	Diamond grinding pin Ø 20 mm, shaft Ø 6 mm
2002-001	Carbide milling cutter Ø 10 mm, shaft Ø 6 mm
2002-002	Carbide milling cutter Ø 20 mm, shaft Ø 6 mm
Spare Parts for ZS 1000	
2003-001	Dressing diamond
1301-004	Collet DIN 6388 Ø 6 mm
1301-006	Collet DIN 6388 Ø 8 mm
1070-028	Tooth belt 10 x 660 mm
1070-043	Tooth belt 10 x 545 mm
101-020-5101	Protective shield for ZS 101/151/201
150-030-0301	Tungsten carbide tip 6 x 10 x 47 mm
1000-030-0401	Carbide ledge
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