

EQUIPMENT FEATURES

- Polisher for continuous professional operation
- Extreme torque
- Ergonomic front flap for optimum machine control
- Small and handy like a small angular grinder
- Die cast aluminium gear housing
- Vario Tacho Constamatic (VTC) electronics allow you to set the right speed for the application and then maintain that speed, even under heavy loading
- Thumbwheel for preselection of speed
- Overload protection
- No-volt release switch
- Spindle lock
- Auto-stop carbon brushes



PE 12-175

**1200 Watt
Electronic Angle Polisher
PE 12-175**

Comparative device characteristics	
Torque	14 Nm
For backing pad up to max.	175 mm
No load speed	700 - 2.200 /min
Rated input power	1.200 W
Output power	680 W
Rated load speed	2.200 /min
Spindle thread	M 14
Weight (without mains cable)	2,4 kg

Type Order no.	PE 12-175 6.02175.00 ■
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Standard equipment	Hand guard, side handle, (delivered without buffing wheel)
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Type Order no.	PE 12-175 Set 6.02175.91 ■
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Standard equipment	Hand guard, side handle, velcro-faced backing pad, cling-fit polishing sponge, cling-fit lambswool polishing disc
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ACCESSORIES FOR THE ANGLE POLISHER

Velcro-faced backing pads



Velcro-faced, for attaching polishing and sanding accessories

Diameter mm	Thickness mm	Packing unit	Order no.
73	12	1	6.23286
115	12	1	6.24840
123	12	1	6.23287
147	12	1	6.23288
173	12	1	6.23289

Cling-fit polishing sponges, coarse



For weathered paintwork

Diameter mm	Thickness mm	Packing unit	Order no.
80	25	1	6.24912
130	25	1	6.24913
130	50	1	6.24914
160	25	1	6.24915
160	50	1	6.24916
200	25	1	6.24917
200	50	1	6.24918

Cling-fit polishing sponges, fine



For polishing paintwork

Diameter mm	Thickness mm	Packing unit	Order no.
80	20	1	6.24092
130	25	1	6.24967
130	50	1	6.24926
160	25	1	6.24968
160	50	1	6.24927
200	25	1	6.24925
200	50	1	6.24928

Cling-fit polishing sponges, profiled



For polishing paintwork

Diameter mm	Thickness mm	Packing unit	Order no.
80	25	1	6.24935
130	25	1	6.24936
160	25	1	6.24937
200	25	1	6.24938

Cling-fit felt polishing discs, hard



For paintwork, non-ferrous metals, and steel sheets

Diameter mm	Thickness mm	Packing unit	Order no.
130	5	1	6.31242
150	5	1	6.31168
180	5	1	6.24919

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ROUTERS AND PLANERS

Cling-fit felt polishing discs, soft



For paintwork, non-ferrous metals, and steel sheets

Diameter mm	Thickness mm	Packing unit	Order no.
130	5	1	6.24964
155	5	1	6.24965
180	5	1	6.24966

Cling-fit lambswool polishing discs



For high-gloss polishing

Diameter mm	Packing unit	Order no.
85	1	6.24063
130	1	6.31223
160	1	6.31217
185	1	6.24929

Cling-fit abrasive nylon web



For roughing, cleaning, scouring ...

Diameter mm	Grit	Packing unit	Order no.
80	P 100	2	6.24067
80	P 280	2	6.24068
125	P 100	1	6.31238
125	P 280	1	6.31239
150	P 100	1	6.24038
150	P 280	1	6.24039

Velcro-faced intermediate disc

For sanding curved surfaces

	Diameter mm	Hardness	Version	Order no.
	80	Soft	Perforated	6.24061
	125	Soft	Not perforated	6.31216
	150	Soft	Not perforated	6.24037

Felt polishing discs



With female thread M 14

Diameter mm	Packing unit	Order no.
125	1	6.23260
175	1	6.23261

Moltopren polishing discs

With female thread M 14

	Diameter mm	Packing unit	Order no.
	160	1	6.23254

Lambswool bonnets with tightening cord



For high-gloss polishing

Diameter mm	Packing unit	Order no.
130	1	6.23266
160	1	6.23267
180	1	6.23265

Buffing mops



	Diameter mm	Thickness mm	Packing unit	Order no.
Grey cotton cloth, for general polishing work	200	20	1	6.23246
Flannel for high-gloss polishing work	200	20	1	6.23247

Anchor-head holder for buffing mops

	Order no.
 For 2 buffing mops with flanges and adjusting nut	6.23107

Polishing paste

	Order no.
 Polishing paste Packing unit: 1 For metal and plastic, bolt with approx. 300 g	6.27231

EQUIPMENT FEATURES

- For burnishing, finishing and reconditioning special steel, steel, non-ferrous heavy metals, plastic and wood
- Precise machine guidance by supporting rollers
- Spindle lock
- Robust Metabo Marathon motor
- Vario Tacho Constamatic (VTC) electronics allow you to set the right speed for the application and then maintain that speed, even under heavy loading
- Thumbwheel for preselection of speed
- Electronic soft start
- Overload protection
- No-volt release switch
- Metabo winding protection grid
- Auto-stop carbon brushes
- Die cast aluminium gear housing
- Standard holder for accessory - M14 or mounting arbor
- Versatile applications through the extensive range of accessories



SE 12-115

1200 Watt Burnishing Machine SE 12-115	
Comparative device characteristics	
Rated input power	1.200 W
Output power	720 W
Speed	900 - 2.810 /min
Spindle thread	M 14
Electronics	Vario Tacho Constamatic (VTC)
Abrasive wheel diameter	100 - 115 mm
Abrasive wheel width	50 - 100 mm
Weight (without mains cable)	3 kg
Type Order no.	SE 12-115 6.02115.51 ■
Standard equipment	Steel sheet carrier box
Type Order no.	SE 12-115 Set 6.02115.50 ■
Standard equipment	3 spacer rings, expansion roller, grinding belt bush set P 80, fleece wheel P 280, bladed grinding wheel P 80, fleece wheel with aluminium oxide abrasive paper P 180, steel sheet carrier box

Expansion roller



Expansion roller

- For using grinding belts and abrasive sleeves. The grinding belts/ abrasive sleeves are pushed over the roller and clamped securely by centrifugal force. New easy belt fit design.

Diameter: 90 mm
Width: 100 mm

Order no.

6.23470

Sanding belts 90x100 mm



- Material: zirconia alumina
- Suitable for all metals and even stainless steel
- For removing scratches and smoothing weld seams
- Only in combination with the expansion roller 6.23470

Diameter mm	Width mm	Grit	Packing unit	Order no.
90	100	P 40	10	6.23512
90	100	P 60	10	6.23473
90	100	P 80	10	6.23474
90	100	P 120	10	6.23475
90	100	P 220	10	6.23476

Nylon web abrasive sleeves



- For removing scratches and oxide layers, tarnishing, glazing, deburring and fine grinding
- Only in combination with the expansion roller

Diameter mm	Width mm	Version	Packing unit	Order no.
90	100	Coarse	2	6.23519
90	100	Medium	2	6.23495
90	100	Fine	2	6.23496

Flap grinding wheels



- For removing rust, oxide layers, scratches
- For texturing and glazing metal

Diameter mm	Width mm	Grit	Packing unit	Order no.
105	100	P 40	1	6.23477
105	100	P 60	1	6.23513
105	100	P 80	1	6.23479
105	100	P 120	1	6.23480
105	100	P 180	1	6.23481
105	100	P 240	1	6.23482

Flap/ nylon web grinding wheels



- Pink aluminium oxide grinding flaps combined with grain-coated nylon web
- For tarnishing, glazing and removing scratches on metal
- Removing old paint and smoothing wood materials

Diameter mm	Width mm	Grit	Packing unit	Order no.
105	50	P 60	1	6.23526
105	50	P 80	1	6.23527
105	50	P 180	1	6.23528
105	100	P 60	1	6.23483
105	100	P 80	1	6.23484
105	100	P 180	1	6.23485

Nylon web grinding wheels



- Elastic grain-coated nylon web for shadow-free tarnishing, glazing and polishing of special steel and non-ferrous metals
- For wood to smooth surfaces

Diameter mm	Width mm	Grit	Packing unit	Order no.
105	50	P 60	1	6.23515
105	50	P 80	1	6.23516
105	50	P 180	1	6.23517
105	50	P 280	1	6.23518
105	100	P 60	1	6.23486
105	100	P 80	1	6.23487
105	100	P 180	1	6.23488
105	100	P 280	1	6.23514
105	115	P 400	1	6.23468
105	115	P 600	1	6.23469
105	115	P 900	1	6.23494



Hard nylon web grinding wheel



- For cleaning and descaling weld seams
- Removing rust, oxide layers and paint
- Strong longitudinal grinding of stainless steel

Diameter mm	Width mm	Grit	Packing unit	Order no.
110	100	P 46	1	6.23525

Rubber grinding wheels



- PUR rubber with SIC abrasive grain coating
- For removing small scratches. For bright shining, decorative longitudinal grinding of stainless steel and non-ferrous metals

Diameter mm	Width mm	Grit	Packing unit	Order no.
105	100	P 60	1	6.23510
105	100	P 180	1	6.23499

Polishing rings

	Order no.
 <p>Sisal polishing rings</p> <ul style="list-style-type: none"> ■ For pre-polishing vanadium steel and non-ferrous metals ■ For use only with polishing paste <p>Diameter: 100 mm Width: 15 mm Version: Impregnated Packing unit: 5</p>	6.23507
 <p>Nylon web polishing rings</p> <ul style="list-style-type: none"> ■ For polishing stainless steel and non-ferrous metals ■ For use only with polishing paste <p>Diameter: 100 mm Width: 10 mm Version: Hard Packing unit: 8</p>	6.23508
 <p>Nylon web polishing rings</p> <ul style="list-style-type: none"> ■ For high-gloss polishing of all metals ■ For use only with polishing paste <p>Diameter: 100 mm Width: 10 mm Version: Soft Packing unit: 8</p>	6.23509

Polishing pastes

	Order no.
 <p>Polishing paste, white</p> <ul style="list-style-type: none"> ■ For pre-polishing stainless steel <p>Weight: 250 g</p>	6.23520
 <p>Polishing paste, brown</p> <ul style="list-style-type: none"> ■ For polishing stainless steel and pre-polishing non-ferrous metals <p>Weight: 250 g</p>	6.23522

	Polishing paste, blue ■ For high-gloss polishing of all metals Weight: 250 g	Order no. 6.23524
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Wheel brushes

	Diameter mm	Width mm	Wire thickness	Order no.
Steel-wire wheel brushes ■ For derusting, deburring and cleaning metal ■ For brushing soft annual rings on wood				
	100	15	0.27 mm	6.23500
	100	70	0.27 mm	6.23501
Steel-wire wheel brushes, inox ■ With stainless wire. For cleaning weld seams, deburring, derusting, roughening				
	100	15	0.20 mm	6.23502
	100	70	0.20 mm	6.23503
Plastic wheel brushes ■ Elastic, grain-coated wheel brush for roughening and deburring metal ■ For rustic effects on wood				
	100	15		6.23504
	100	70		6.23505
Fibre wheel brush ■ For use on all wood materials. For polishing etched wood materials ■ Producing dull finish. Dust removal and cleaning				
	100	100		6.23506

	3 spacer rings ■ For width compensation on using grinding rollers, brushes, polishing rings	Order no. 6.23511
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ANGLE GRINDERS

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WOOD SANDING MACHINES

ROUTERS AND PLANERS

EQUIPMENT FEATURES

- For single phase alternating current
- Especially suitable for the fast, precise cutting of steel, non-ferrous metals, iron and cast profile
- Motor and gear supported on high load ball bearings
- Spindle lock for easy disc change
- Quick clamping device with variable mitre conversion up to 45° and - 15°
- Easy to transport due to built-in handle and locking device
- Swivelling blade guard
- Adjustable spark guide plate
- Bottom access guard
- Adjustable depth guide



CS 23-355

NEW

2300 Watt
Metal Chop Saw
CS 23-355

Comparative device characteristics

Disc diameter	355 mm
Spindle diameter	25,4 mm
No load speed	4.000 /min
Rated input power	2.300 W
Maximum cutting dimension	
- Bar steels	65 mm
- Pipes	125 mm
- Shaped steels	115 x 130 mm
Maximum opening of vice jaws	238 mm
Dimensions of the base plate	468 x 282 mm
Transport height	400 mm
Weight	16,9 kg

Standard equipment Open-ended ring spanner

Type CS 23-355
Order no. 6.02335 ■

CUTTING DISCS FOR TABLETOP

CUTTING MACHINES

Quality class A 36-R "Flexiamant Super" inox



- Medium-hard special cutting disc for stainless steel
- High cutting output with good tool life

Diameter x thickness x bore mm	Maximum speed /min	Packing unit	Order no.
350 x 3 x 25,4	4.365	10	6.16343

Quality class A 30-R / A 36-S "Flexiamant Super" steel



- High cutting output with good tool life in steel
- Tough type for powerful machines
- A 36-S: with an inside gauze for quick cuts
- Maximum working speed 80 m/s

Quality class	Diameter x thickness x bore mm	Maximum speed /min	Packing unit	Order no.
A 30-R	350 x 3 x 25,4	4.365	10	6.16327
A 36-S	350 x 3 x 25,4	4.365	10	6.16339

Quality class A 24-M "Flexiamant Super" steel



- High cutting output with good tool life in steel
- Soft type for less powerful machines

Diameter x thickness x bore mm	Maximum speed /min	Packing unit	Order no.
350 x 3 x 25,4	4.365	10	6.16338

COMMON FEATURES

- For cutting through and trimming sheet steel without burrs
- Precise cutting by high capacity die chuck
- The blades need not be aligned while working
- Auto-stop carbon brushes
- Practical delivery bow

EQUIPMENT FEATURES

- Unlimited curving capacity
- For cutting sheets without burrs and deformations
- Precise adjustment of direction of cutting
- Long service life of tool and high cutting quality
- Auto-stop carbon brushes
- Practical delivery bow



Ku 6872

Ku 6870



Kn 6875

	550 Watt Curve Shear Ku 6872	550 Watt Curve Shear Ku 6870
Comparative device characteristics		
Torque	3 Nm	6 Nm
Maximum sheet thickness		
- Sheet steel 400 N/mm ²	1,6 mm	2,5 mm
- Sheet steel 600 N/mm ²	1,2 mm	2 mm
- Sheet steel 800 N/mm ²	1 mm	1,6 mm
- Aluminium 250 N/mm ²	2 mm	2,5 mm
Strokes at no load	5.300 /min	3.000 /min
Rated input power	550 W	550 W
Output power	300 W	300 W
Strokes at rated load	3.200 /min	1.800 /min
Minimum curve radius	15 mm	20 mm
Weight (without mains cable)	1,9 kg	2,5 kg
Standard equipment	2 hexagon spanners	2 hexagon spanners
Type	Ku 6872	Ku 6870
Order no.	6.06872 ■	6.06870 ■

	550 Watt Nibbler Kn 6875
Comparative device characteristics	
Torque	6 Nm
Maximum sheet thickness	
- Sheet steel 400 N/mm ²	2 mm
- Sheet steel 600 N/mm ²	1,5 mm
- Sheet steel 800 N/mm ²	1 mm
- Aluminium 250 N/mm ²	2,5 mm
Strokes at no load	3.000 /min
Rated input power	550 W
Output power	300 W
Strokes at rated load	1.800 /min
Minimum curve radius	4 mm
Weight (without mains cable)	2,1 kg
Standard equipment	Hexagon spanner
Type	Kn 6875
Order no.	6.06875 ■

Reversible blade	
Same blade for tappet and cutting bench	
	Order no.
Reversible blade for Ku 6872	6.31042
Reversible blade for Ku 6870	6.30201

Accessories for nibblers	
	Order no.
Spare punch	6.30202
For the nibbler Kn 6875 (as spare)	
Die	6.30203
For the nibbler Kn 6875 (as spare)	
Die	6.30204
For the nibbler Kn 6875 (maximum sheet thickness, 1.25 mm)	

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WOOD SANDING MACHINES

ROUTERS AND PLANERS

EQUIPMENT FEATURES

- The handy one: with particular short construction; ideal for sharpening and deburring in easy to reach places
- Hardened and ground collect chuck for precise concentricity of tools
- Ergonomic shape for fatigue-free grinding
- Auto-stop carbon brushes
- Suitable for actuating flexible shafts

COMMON FEATURES

- Hardened and ground collect chuck for precise concentricity of tools
- Spindle lock for easy tool change
- Robust aluminum die cast bearing flange
- Ergonomic shape for fatigue-free grinding
- Vario Constamatic (VC) electronics allow you to set the right speed for the application and then maintain that speed, even under moderate loading
- Thumbwheel for preselection of speed
- Robust Metabo Marathon motor
- Metabo winding protection grid
- Auto-stop carbon brushes



	500 Watt Die Grinder G 500
Comparative device characteristics	
No load speed	27.000 /min
Rated input power	500 W
Output power	300 W
Rated load speed	16.000 /min
Collet bore of collet chuck	6 mm
Weight (without mains cable)	1,4 kg
Standard equipment	2 open-jawed spanner
Type Order no.	G 500 6.06301 ■

Collets		Order no.
	Collet bore	
	3 mm	6.31947
	1/8" (3.18 mm)	6.31948
	6 mm	6.31945
	1/4" (6.35 mm)	6.31949
	8 mm	6.31946

	710 Watt Electronic Die Grinder GE 700	900 Watt Electronic Die Grinder GE 900 Plus
Special advantages		
■ The multi-talented one: with extended grinding spindle (mounted on double ball bearing in solid steel tube); ideal for grinding and sharpening in difficult to reach places	•	
■ The specialist: handy grinder with especially high torque; ideal for grinding inner and outer surfaces in combination with flap wheels (see Accessories)		•
■ Suitable for actuating flexible shafts	•	
Comparative device characteristics		
No load speed	7.000 - 27.000 /min	2.500 - 6.000 /min
Rated input power	710 W	900 W
Output power	430 W	500 W
Rated load speed	20.000 /min	5.000 /min
Collet bore of collet chuck	6 mm	6 mm
Weight (without mains cable)	1,8 kg	2 kg
Standard equipment	1 open-jawed spanner	Handle, 1 open-jawed spanner
Type Order no.	GE 700 6.06303 ■	GE 900 Plus 6.06305 ■

Mounted points					
	Grit and grade	Shaft Ø mm	Head Ø and height mm	Maximum permissible shaft length l ₀ mm	Order no.
Mounted points made of pink aluminium oxide, shank diameter 6 mm					
	80 M	6	Ø 20 x 32	14	6.27411
	80 M	6	Ø 20 x 32	14	6.27412
	80 M	6	Ø 25 x 25	17	6.27413
	80 M	6	Ø 20 x 20	20	6.27415
	80 M	6	Ø 20 x 32	14	6.27416
	80 M	6	Ø 16 x 32	20	6.27417
	80 M	6	Ø 10 x 25	20	6.27418
Mounted points made of aluminium oxide, shank diameter 6 mm					
	60 O	6	Ø 25 x 32	8	6.27419
	60 O	6	Ø 25 x 32	8	6.27420

Small cutting discs for steel				
	Diameter x thickness x bore mm	Maximum speed /min	Packing unit	Order no.
	Corundum abrasive A 24, for steel Maximum working speed: 80 m/s			
	50 x 1,1 x 6	30.600	50	6.30191
	50 x 2 x 6	30.600	25	6.30192
	50 x 6 x 6	30.600	1	6.30187
	76 x 2 x 6	20.800	25	6.30194
	76 x 1,1 x 6	20.100	50	6.30195
	76 x 2 x 10	20.100	50	6.30199

	Order no.
Mounting arbor for small cutting discs Shaft Ø: 6 mm Suitable for machine: G 500, GE 700	6.30189

Router bits				
	Diameter mm	Usable length mm	Angle °	Order no.
Router bits, medium-rough toothed, shank diameter 6 mm Suitable for light alloys, copper, plastics, etc.				
	HSS straight bit, rounded off	6	10	6.23570
	HSS straight bit	6	20	6.23571
	HSS straight bit	10	14	6.23572
	HSS dovetail bit	12	12	6.23573
	HSS chamfering bit	10	17	6.23574

Router bits					
	Diameter mm	Overall length	Usable length mm	Angle °	Order no.
Router bits, fine toothed, shank diameter 6 mm Suitable for light alloys, copper, brass, tin, plastics, etc.					
	HSS router bit, spherical	4,5			6.23575
	HSS router bit, spherical	12			6.23576
	HSS router bit, tear-shaped	12	20		6.23577
	HSS router bit, conical	12	20		6.23578
	HSS dovetail bit	12	12	10	6.23579
	HSS router bit, pear-shaped	12	30		6.23580
	HSS straight bit	10	14		6.23581

Flap wheels					
	Shaft Ø mm	Grit	Diameter x width mm	Maximum speed /min	Order no.
	Suitable for die grinder GE 900 Plus				
	6	P 60	Ø 50 x 20	15.300	6.31110
	6	P 60	Ø 60 x 30	12.700	6.31111
	6	P 60	Ø 60 x 40	12.700	6.31112

General accessories		Order no.
	Clamping stand ■ For clamping the router motor when working with the flexible shafts ■ Locating bore Ø 43 mm	6.27354
	Clamp ■ For the secure fitting on a work table	6.27107
	Flexible shaft ■ Suitable for speeds of 20,000 to 30 000 rpm ■ Bearing-mounted at both ends ■ Equipped with collet for size 6 mm, 6.30714 ■ To drive the flexible shaft 6.27609 using the router's motor unit, the 8-mm collet on the tool must be replaced with the 6-mm collet 6.31945 Length: 1,3 m Driving shaft: 6 mm Weight: 0,8 kg	6.27609
	Collets for flexible shaft 27609 Collet bore: 6 mm Collet bore: 3 mm Collet bore: 1/4" (6.35 mm)	6.30714 6.30715 6.30716

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