

**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
<b>Comparative device characteristics</b>	
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
<b>Type</b>	<b>PE 12-175</b>
<b>Order no.</b>	<b>6.02175.00 ■</b>
<b>Standard equipment</b>	Hand guard, side handle, (delivered without buffing wheel)
<b>Type</b>	<b>PE 12-175 Set</b>
<b>Order no.</b>	<b>6.02175.91 ■</b>
<b>Standard equipment</b>	Hand guard, side handle, velcro-faced backing pad, cling-fit polishing sponge, cling-fit lambswool polishing disc

**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

ANGLE GRINDERS

METAL PROCESSORS

HAMMERS

IMPACT DRILLS

DRILLS

SCREWDRIVERS

WOOD SANDING  
MACHINES

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	
<b>Comparative device characteristics</b>	
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
<b>Type</b>	<b>SE 12-115</b>
<b>Order no.</b>	<b>6.02115.51</b> ■
<b>Standard equipment</b>	Steel sheet carrier box
<b>Type</b>	<b>SE 12-115 Set</b>
<b>Order no.</b>	<b>6.02115.50</b> ■
<b>Standard equipment</b>	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

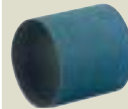
- For using grinding belts and abrasive sleeves. The grinding belts/ abrasive sleeves are pushed over the roller and clamped securely by centrifugal force. New easy belt fit design.

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><b>Sisal polishing rings</b></p> <ul style="list-style-type: none"> <li>■ For pre-polishing vanadium steel and non-ferrous metals</li> <li>■ For use only with polishing paste</li> </ul> <p>Diameter: 100 mm Width: 15 mm Version: Impregnated Packing unit: 5</p>	6.23507
 <p><b>Nylon web polishing rings</b></p> <ul style="list-style-type: none"> <li>■ For polishing stainless steel and non-ferrous metals</li> <li>■ For use only with polishing paste</li> </ul> <p>Diameter: 100 mm Width: 10 mm Version: Hard Packing unit: 8</p>	6.23508
 <p><b>Nylon web polishing rings</b></p> <ul style="list-style-type: none"> <li>■ For high-gloss polishing of all metals</li> <li>■ For use only with polishing paste</li> </ul> <p>Diameter: 100 mm Width: 10 mm Version: Soft Packing unit: 8</p>	6.23509

## Polishing pastes

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

	<b>Polishing paste, blue</b> ■ For high-gloss polishing of all metals Weight: 250 g	Order no. 6.23524
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	<b>3 spacer rings</b> ■ For width compensation on using grinding rollers, brushes, polishing rings	Order no. 6.23511
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**Wheel brushes**

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

ANGLE GRINDERS

METAL PROCESSORS

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IMPACT DRILLS

DRILLS

SCREWDRIVERS

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
<b>Comparative device characteristics</b>		
Torque	3 Nm	6 Nm
Maximum sheet thickness		
- Sheet steel 400 N/mm <sup>2</sup>	1,6 mm	2,5 mm
- Sheet steel 600 N/mm <sup>2</sup>	1,2 mm	2 mm
- Sheet steel 800 N/mm <sup>2</sup>	1 mm	1,6 mm
- Aluminium 250 N/mm <sup>2</sup>	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
<b>Standard equipment</b>	2 hexagon spanners	2 hexagon spanners
<b>Type</b>	Ku 6872	Ku 6870
<b>Order no.</b>	6.06872 ■	6.06870 ■

	550 Watt Nibbler Kn 6875
<b>Comparative device characteristics</b>	
Torque	6 Nm
Maximum sheet thickness	
- Sheet steel 400 N/mm <sup>2</sup>	2 mm
- Sheet steel 600 N/mm <sup>2</sup>	1,5 mm
- Sheet steel 800 N/mm <sup>2</sup>	1 mm
- Aluminium 250 N/mm <sup>2</sup>	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
<b>Standard equipment</b>	Hexagon spanner
<b>Type</b>	Kn 6875
<b>Order no.</b>	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.
<b>Spare punch</b> For the nibbler Kn 6875 (as spare)	6.30202
<b>Die</b> For the nibbler Kn 6875 (as spare)	6.30203
<b>Die</b> For the nibbler Kn 6875 (maximum sheet thickness, 1.25 mm)	6.30204

ANGLE GRINDERS

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HAMMERS

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DRILLS

SCREWDRIVERS

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
<b>Comparative device characteristics</b>	
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
<b>Standard equipment</b>	2 open-jawed spanner
<b>Type Order no.</b>	<b>G 500 6.06301</b> ■

Collets	
Collet bore	Order no.
 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
<b>Special advantages</b>		
■ 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	•	
<b>Comparative device characteristics</b>		
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
<b>Standard equipment</b>	1 open-jawed spanner	Handle, 1 open-jawed spanner
<b>Type Order no.</b>	<b>GE 700 6.06303</b> ■	<b>GE 900 Plus 6.06305</b> ■











Mounted points					
	Grit and grade	Shaft Ø mm	Head Ø and height mm	Maximum permissible shaft length l <sub>0</sub> mm	Order no.
<b>Mounted points made of pink aluminium oxide, shank diameter 6 mm</b>					
	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
<b>Mounted points made of aluminium oxide, shank diameter 6 mm</b>					
	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.
<b>Mounting arbor for small cutting discs</b> Shaft Ø: 6 mm Suitable for machine: G 500, GE 700	6.30189

Router bits				
	Diameter mm	Usable length mm	Angle °	Order no.
<b>Router bits, medium-rough toothed, shank diameter 6 mm</b> 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
			16	

Router bits					
	Diameter mm	Overall length	Usable length mm	Angle °	Order no.
<b>Router bits, fine toothed, shank diameter 6 mm</b> 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		20		6.23577
	HSS router bit, conical		20		6.23578
	HSS dovetail bit		12	10	6.23579
	HSS router bit, pear-shaped		30		6.23580
	HSS straight bit		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.
	<b>Clamping stand</b> ■ For clamping the router motor when working with the flexible shafts ■ Locating bore Ø 43 mm	6.27354
	<b>Clamp</b> ■ For the secure fitting on a work table	6.27107
	<b>Flexible shaft</b> ■ 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
	<b>Collets for flexible shaft 27609</b> Collet bore: 6 mm Collet bore: 3 mm Collet bore: 1/4" (6.35 mm)	6.30714 6.30715 6.30716

ANGLE GRINDERS  
METAL PROCESSORS  
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