



SEPARATING TOOLS

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MEC600[®]

METAL EDGE CUTTER

- car roofs
- c-pillars
- wheel arches
- door areas
- sills



The MEC600 was developed for process-safe and precise car body outer skin removal. The metal structure under the outer skin remains undamaged in the process.



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for the craft sector



aluminium 1.2 mm

steel 0.8 mm



Two different milling depths for aluminium and steel sheets ensure that only the necessary amount is milled off the wheel arch, depending on the material, to avoid damaging the inner sheet.

MATERIAL SPECIFIC MILLING DEPTH

VARIABLE ANGLE POSITIONS

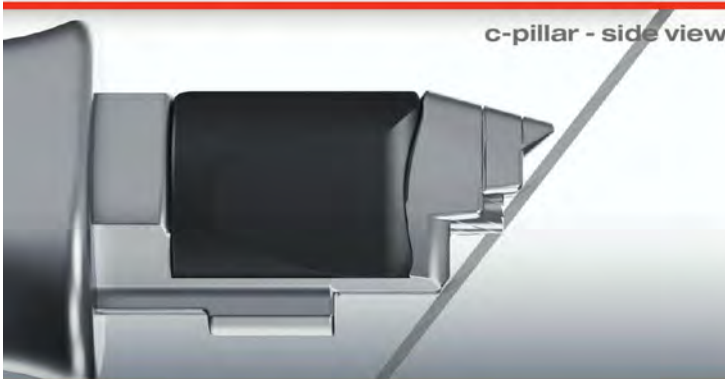


PRECISE ADJUSTMENT OF THE MILLING DEPTH



2 leading edges

The adjustable guide of the cutter allows quick and easy adjustment of the MEC600 to different angular positions of the body panels.



TECHNICAL DATA

Pressure	6.3 bar max.
Power	600 W
Idle Speed	20,000 rpm
Sound pressure level	77 dB(A)
Vibration	3.6 m/s ²
Cable-hose assembly	3,100 mm
Collet chuck	Ø 6 mm
Weight	2.05 kg

MEC600

MEC600 Metal Edge Cutter

Item no. 640080

- no damage to the deeper sheet metal structure
- milling depths continuously adjustable
- innovative carbide special cutters for steel and aluminium
- high application safety when opening laser welded seams (Plasmatron welding)
- no sparks - in combination with cutting oil (BTR fluid)
- no heat pre-treatment on the car body necessary
- quick tool change

Scope of delivery:

- 1 x basic unit pneum. cpl.
- 1 x machine attachment MEC600
- 1 x locking nut MEC600
- 1 x milling cutter **LongLife** (for steel sheets)
- 1 x gauge MEC600
- 1 x protective cover
- 1 x allen key
- 1 x instruction manual



MEC600 Milling Cutter

Item	LongLife	LSN Laser welded seam	carbide cutter for ALU
Ø	6 mm	6 mm	6 mm
Item no.	640063	640069	640062



MEC600 Accessories

Item	machine attachment V2	locking nut	gauge	protective cover
			for optimum milling depth Sheet thickness 0.6 to 1.5 mm	finger protection during milling
Item no.	640053	640057	640052	640051



MEC600 Lubricant

Item	cutting oil	Drill WAX
	125 ml for steel	65 g for aluminium milling cutters
Item no.	628000	640067



Saws



WPS 2000 – Pneumatic Saw

Item no. 120010

Designed for a wide range of applications and the daily cutting and separating work in car body construction, 12.000 strokes per minute ensure burr-free cutting.

Scope of delivery:

- 1 x WPS 2000 pneum.
- 1 x saw blade 14 tpi
- 1 x saw blade 18 tpi
- 1 x saw blade 24 tpi
- 1 x saw blade 28 tpi (mounted)
- 1 x saw blade 32 tpi
- 1 x compressed air hose with air connection
- 2 x assembly tool
- 1 x transport case
- 1 x instruction manual



WELL-ESTABLISHED

Stroke	Power	Vibration	Stroke rate	Weight	Length
8 mm	310 W	24 m/s ²	12,000 spm	810 g	220 mm

WPS 3000 – Pneumatic Saw

Item no. 120030

The long 10 mm stroke results in perfect cutting performance and reduced sound pressure level 77.4 dB(A) according to ISO 15744. The saw meets the standards of the Employer's Liability Insurance Association for Occupational Safety and is designed for continuous operation.

Scope of delivery:

- 1 x WPS 2000 pneum.
- 1 x saw blade 14 tpi
- 1 x saw blade 18 tpi
- 1 x saw blade 24 tpi
- 1 x saw blade 28 tpi (mounted)
- 1 x saw blade 32 tpi
- 1 x compressed air hose with air connection
- 2 x assembly tool
- 1 x transport case
- 1 x instruction manual



LOW-VIBRATION

< 2.5 m/s² according to ISO 8662

Stroke	Power	Vibration	Stroke rate	Weight	Length
10 mm	300 W	< 2.5 m/s ²	12,000 spm	830 g	280 mm

Saw Blades – Bimetal

body saws WPS 2000 / WPS 3000

Item no.	Tpi*	Application	QTY
197000	14	wood, aluminium, composites, plastic	10 pc.
197001	18	for tight radii in metal and plastic	10 pc.
197002	24	double and triple sheets up to 4 mm	10 pc.
197004	28	thin, double sheets and aluminium up to 3 mm	10 pc.
197003	32	universal saw blade thin sheets and high-strength steels up to 1 mm	10 pc.
Item no.	tpi*	Item	QTY
197007	18	M42-18	3 pc.
197008	24	M42-24	3 pc.



Info

*tpi = teeth per inch

Saws

WPS 4000 LV (Low Vibration) – Pneumatic Saw

Item no. 120060

the cold type of separation

The WPS 4000 LV is the powerful solution for the most demanding requirements. Specially developed for extremely hard and extremely tough materials with simultaneously **low vibration effects (3.5 m/s²)**.

USIBOR - BTR - TRIP - ZSTE - Ultra HSS - HSS - HLE - THLE - TTHLE
Aluminium - Casting - Extrusion etc.

- Scope of delivery:
 1 x WPS 4000 LV pneum.
 1 x saw blade M42 | 10 tpi | 100 mm
 1 x saw blade MPM | 8 tpi | 100 mm
 1 x saw blade TCT | 18 tpi | 100 mm
 1 x compressed air hose with air connection
 1 x assembly tool
 1 x transport case
 1 x instruction manual



CONCENTRATED POWER

Stroke	Power	Vibration	Stroke rate	Weight	Length
20 mm	400 W	3.5 m/s²	7,000 spm	1.28 kg	280 mm

Saw Blades – Bimetal

body saws WPS 4000

Item no.	Tpi*	Item	L=mm	Application	QTY
197024	10	M42	130	aluminium, composites	1 pc.
197025	10	M42	100	aluminium, composites	1 pc.
197023	18	MPM	130	high-strength steels	1 pc.
197026	18	MPM	100	high-strength steels	1 pc.
197027	18	TCT	90	ultra high strength steels	1 pc.
197028	-	TCT Plus	90	ultra high strength steels	1 pc.



Info

*tpi = teeth per inch

Spare Parts WPS 2000 / WPS 3000 / WPS 4000

Item no.	124027	124127	194070
Item	tool holder cpl. WPS 2000 / 3000	tool holder cpl. WPS 4000	tool holder clamp bridge cpl. WPS 2000 / 3000 / WPF 3000
QTY /	1 pc. /	1 pc. /	1 pc. /
			

Special / Universal Saw Blades

Item no.	Tpi*	Item / application	QTY
197010	-	diamond saw blade suitable for e.g. CFRP / carbon	1 pc.
197005	24	saw blade with flat mount**	10 pc.
197006	32	saw blade with flat mount**	10 pc.



Info

** suitable for saws e.g. type Chicago Pneumatic

Files



WPF 3000 – Pneumatic File

Item no. 120040

Due to the ability to adjust the stroke length, it is possible to freely regulate the frequency, which results in a wide range of applications. Due to the high accessibility, especially in narrow places, the file is ideal for deburring, shaping and prototyping.

CAN ALSO BE USED WITH SAW BLADES



Scope of delivery:

- 1 x WPF 3000 pneum.
- 1 x compressed air hose with air connection
- 2 x assembly tool
- 1 x transport case
- 1 x instruction manual

STROKE LENGTH ADJUSTMENT

Stroke	Power	Vibration	Stroke rate	Weight	Length
6-8 mm	300 W	< 2.5 m/s ²	12,000 - 20,000 spm	830 g	280 mm

Files WPS 2000 / WPS 3000 / WPF 3000

Item no.	Length (mm)	Item	QTY
197040	90/55	file - half round	1 pc.
197041	90/70	file - round	1 pc.
197042	90/60	file - triangular	1 pc.
197039		file set - 3 pieces, half round, round, triangular	3 pc.



Accessories for Saws & Pneumatic Tools

Item no.	194000	637103	697003	697002	698007
Item	pressure reducing valve to max. 7 bar	mini lubricator for air tools connection 1/4"	air connection 1/4" (external thread)	brass coupler with nozzle 9 mm	pressure reducer 1/4" (internal thread)
QTY /	1 pc. /	1 pc. /	1 pc. /	1 pc. /	1 pc. /



Special Oil for Pneumatic Maintenance Units | 1000 ml

Item no. 698001

High-performance oil for use in oil-fog lubricators and maintenance units, also for tools and pneumatic systems according to DIN 51524-2.

viscosity class VG 32 according to ISO 3448 (viscosity at 40 °C - 32 mm²/s)

Exceeds the minimum requirement for hydraulic oils of type HLP.

Increased ageing resistance and active corrosion or wear protection provide high utility value throughout the entire service life. Good viscosity/temperature characteristics even at low temperatures as well as optimum demulsibility.



with lateral content indicator and practical filler hose



PRECISE & BURR-FREE CUTS

SPECIAL PROGRAM FOR SURFACES WITH PAINT RESIDUES OR SOILING

CUTTING ACROSS SHEET METAL GAPS

SHEET METAL CUT UP TO 8 MM

ROUGH CUT UP TO 15 MM

PLASMA CUTTER WS 40i

Latest generation technology

High-performance control for a stable arc for smooth and straight cuts with approximately 50% less ignition energy than comparable models, provides increased service life for current nozzles, cutting nozzles and torches.

Plasma Cutter WS 40i

Item no. 171005

Mains voltage	Welding current	Continuous output	Material thickness	Weight
230 V 50/60 Hz	10-30 A	23 A	< 8 mm (< 15 mm)	14.5 kg

Scope of delivery:
 1x WS40 i control unit
 1x Cutting torch S25/4 m
 1x ground cable with ground clamp
 1x instruction manual

USA version - Item no. 171006



Accessories WS 40i

Item no.	174004	174016	177008
Item	hand torch assembly cpl. WS40 i	ground cable WS40 i	guiding carriage for torch WS40i
QTY /	1 pc. /	1 pc. /	1 pc. /



Spare Parts WS 40i

Item no.	174010	174012	174014	174015
Item	Cutting electrode WS40 i	Cutting nozzle WS40 i	Shield cap WS40i	Insulating ring for cutting nozzle WS40i
QTY /	5 St. /	5 St. /	1 St. /	1 St. /





EFFORTLESS

PRECISE

CONTINUOUSLY ADJUSTABLE MILLING DEPTH

QUICK AND SIMPLE ASSEMBLY WITH DEPTH STOP

FOR HIGH-STRENGTH AND SUPER HIGH-STRENGTH MATERIALS

Spot weld remover for all vehicles

Convenient work even in hard-to-reach places thanks to simple, tool-free removal of the Variomatic handle. The 360° rotatable Variomatic handle prevents slipping and the depth stop prevents the underlying sheet metal from being damaged.

VARIO DRILL WS90

Vario Drill WS90 with Variomatic

Item no. 601001

working area: 95 x 35 mm

Speed	Power	Vibration	Operating pressure	Weight
900 rpm	370 W	1.07 m/s ²	6-8 bar	1.8 kg

- Scope of delivery:
- 1 x VARIO DRILL WS90
 - 1 x Variomatic
 - 1 x VARIANTIC milling cutter Ø 8 mm
 - 1 x pin wrench
 - 1 x transport case



Vario Drill WS90 with Jumbomatic

Item no. 601009

working area: 140 x 85 mm

- Scope of delivery:
- 1 x VARIO DRILL WS90
 - 1 x Jumbomatic
 - 1 x VARIANTIC milling cutter Ø 8 mm
 - 1 x pin wrench
 - 1 x transport case



Vario Drill WS90 without Variomatic

Item no. 602001

- Scope of delivery:
- 1 x VARIO DRILL WS90
 - 1 x VARIANTIC milling cutter Ø 8 mm
 - 1 x pin wrench
 - 1 x transport case



Vario Drill WS90

VarioDrill WS90 Clamps

Item no.	608020	608018	608019
Item	Variomatic	Jumbomatic	Jumbomatic Daimler version
QTY /	1 pc. /	1 pc. /	1 pc. /
			
			

Nur in Verbindung mit 607101 ↓

Crown Cutter Special

Item no. 607101

diameter: 14 mm

Scope of delivery:
 1 × cutting head with mandrel
 1 × spring + holding pin
 3 × special crowns



Spare Crown

Item no. 607110

type N

diameter: 14 mm



Extensions for Vario Drill WS90

Item no.	608012	608010	608011
Item	VD 305	135 mm	85 mm
Length	305 mm	135 mm	85 mm
QTY /	1 pc. /	1 pc. /	1 pc. /



Centering Attachments for Vario Drill WS90

Item no.	608001	608002	627010
Item	V1 top side	V2 bottom side	drill bit NK-2F
	<i>only for solid carbide drill bits 627010</i>	<i>only for solid carbide drill bits 627010</i>	3 cutting edges head-Ø: 6.7 mm shank-Ø: 8 mm total length: 49 mm
QTY /	1 pc. /	1 pc. /	1 pc. /



for **HSS | UHSS**
 for the removal of self piercing rivets



BTR - Fluid

silicone free cutting oil

A silicone-free special oil that reduces friction during the cutting process and ensures a longer service life of the tool.

Item no.	648007	628000
Item	50 ml	125 ml
QTY /	1 pc. /	1 pc. /



Vario Drill WS90



BTR/BOR Starter Kit

Item no. 622003

Scope of delivery:
 1 x 620002 for **HSS | UHSS**
 3 x 620205 for **Steel | HSS**
 1 x centre punch
 1 x BTR-Fluid 125 ml



BTR/BOR Milling Cutters Set

Item no. 620116

3 cutting edges

Scope of delivery:
 2 x 620000 for **HSS | UHSS**
 2 x 620002 for **HSS | UHSS**
 2 x 620006 for **HSS | UHSS**
 1 x centre punch



Spot Weld Cutters

Item no.	607001	607011		607013	607023		607021
Item	VAPO	TIN-GOLD		VAPO	TICN		VAPO
Suitable for	Steel	Steel		Steel	Steel		Steel
RPM (min ⁻¹)	795-995	795-995		795-995	795-995		708-885
Head-Ø	6 mm	8 mm		8 mm	8 mm		9 mm
Shank-Ø	8 mm	8 mm		8 mm	8 mm		8 mm
Total length	44 mm	44 mm		44 mm	44 mm		44 mm
Cutting edges	2	2		2	2		2
QTY	1 pc.	1 pc.		1 pc.	1 pc.		1 pc.



BTR / BOR Milling Cutters

Item no.	620000	620001	620002	620005	620006
Suitable for	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS
RPM (min ⁻¹)	795-995	795-995	795-995	705-885	640-795
Head-Ø	6 mm	8 mm	8 mm	9 mm	10 mm
Shank-Ø	8 mm	8 mm	8 mm	8 mm	8 mm
Total length	44 mm	44 mm	44 mm	44 mm	44 mm
Cutting edges	3	3	3	3	3
QTY	1 pc.	1 pc.	3 pc.	1 pc.	1 pc.



Vario Drill WS90

Variantic Milling Cutters

Item no.	620200	620205	620206
Suitable for	Steel HSS	Steel HSS	Steel HSS
RPM (min ⁻¹)	795-995	795-995	795-1115
Head-Ø	8 mm	8 mm	10 mm
Shank-Ø	8 mm	8 mm	8 mm
Total length	44 mm	44 mm	44 mm
Cutting edges	3	3	3
QTY	1 pc.	5 pcs.	1 pc.



BESTSELLER



Solid Carbide Drill Bits

3 cutting edges

4 cutting edges

The ultra high strength solid carbide drills Z4 remove spot welds even from the hardest materials.

USIBOR • BORON • BTR • ZSTE • Trip steel

Item no.	627001	627005	627010	627020	627021	627022
Suitable for	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS
RPM (min ⁻¹)	795-995	795-995	795-995	795-995	708-885	635-795
Head-Ø	6.7 mm	5 mm	6.7 mm	8 mm	9 mm	10 mm
Shank-Ø	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm
Total length	44 mm	49 mm	49 mm	44 mm	44 mm	44 mm
Cutting edges	3	3	3	4	4	4
QTY	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.



BESTSELLER

Centre Punches

Item no.	628006	628007
Item	special centre punch 2 functions	centre punch 5 x 120 mm
QTY /	1 pc. /	1 pc. /

function 1: marks the centre of the rivet from the top side
function 2: marks the centre of the rivet from the bottom side
the center punch centers itself



Centre Punches

Item no.	628005	932521
Item	UHSS-centre punch	automatic centre punch
QTY /	1 pc. /	1 pc. /



BESTSELLER



Drilling Tools



Drilling Machine GTC-041B

Item no. 611122

Pneumatic drill with clockwise / counter-clockwise rotation and quick-action chuck.



Speed	Power	Vibration	Operating pressure	Weight
450 rpm	340 W	2.5 m/s ²	6 bar	1.75 kg

Drill Bits for Spot Weld Removal

Item no.	617011	617014	617021
Item	VAPO	TIN-GOLD	VAPO
Suitable for	Steel	Steel	Steel
RPM (min ⁻¹)	1195-1395	1195-1395	955-1115
Head-Ø	8 mm	8 mm	10 mm
Shank-Ø	8 mm	8 mm	10 mm
Total length	80 mm	80 mm	85 mm
Cutting edges	2	2	2
QTY	1 pc.	1 pc.	1 pc.



BESTSELLER

BTR / BOR Milling Cutters

Item no.	620010	620011	620012	620014	620015	620017	620018	620022	620024	620040	620026	620030
Suitable for	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS	HSS UHSS
RPM (min ⁻¹)	≥ 2120 ≤ 2650	≥ 2120 ≤ 2650	≥ 1820 ≤ 2275	≥ 1590 ≤ 1990	≥ 1500 ≤ 1830	≥ 1340 ≤ 1680	≥ 1270 ≤ 1590	≥ 1060 ≤ 1320	≥ 980 ≤ 1220	≥ 945 ≤ 1180	≥ 910 ≤ 1130	≥ 800 ≤ 990
Head-Ø	3 mm	3.2 mm	3.5 mm	4 mm	4.2 mm	4.8 mm	5 mm	6 mm	6.5 mm	6.7 mm	7 mm	8 mm
Shank-Ø	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm
Total length	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm
Cutting edges	3	3	3	3	3	3	3	3	3	3	3	3
QTY	1 pc.	1 pc.	3 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.



BESTSELLER

special solid carbide drill for Mercedes riveting process preparations

BTR/BOR milling cutter for use with the SPOTLE pneum. spot weld remover

3 cutting edges

Item no. 620130

Head-Ø	8.0 mm
Shank-Ø	8.0 mm
Total length	39 mm
QTY	1 pc.



Drilling Tools

Countersinks			
Item no.	617240	617241	617250
Item	Countersink 120°	Countersink 100°	Tesla countersink-kit
	<i>with depth stop and pilot</i>	<i>with depth stop and pilot</i>	6 × 4.8 mm rivet drill bit 6 × 6.5 mm rivet drill bit 4 × countersink bits (2 × for 4.8 mm rivets & 2 × for 6.5 mm rivets) 2 × nylon feet 1 × countersink cage assembly
QTY /	1 pc. /	1 pc. /	1 pc. /



Spare Parts for Countersinks					
Item no.	617243	617244	617245	617246	617247
Item	spare countersink 100°	spare countersink 120°	spare pilot 4 mm	spare pilot 6.3 mm	spare pilot 6.6 mm
RPM (min ⁻¹)			<i>for countersink 120°</i>		<i>for countersink 120°</i>
			<i>for countersink 120°</i>		<i>for countersink 100°</i>
QTY /	1 pc. /	1 pc. /	1 pc. /	1 pc. /	1 pc. /



Special Drill Bits for Rivets						
Item no.	617220	617221	617222	617226	617227	617228
Item	TIN	TIN	TIN	TIN	TIN	TIN
Suitable for	Alu Steel	Alu Steel	Alu Steel	Alu Steel	Alu Steel	Alu Steel
RPM (min ⁻¹)	2390-3980	2390-3980	1910-3180	1600-2650	1470-2450	1350-2250
Head-Ø	4.1 mm	4.2 mm	5.1 mm	6.1 mm	6.5 mm	6.7 mm
Shank-Ø	4.1 mm	4.2 mm	5.1 mm	6.1 mm	6.5 mm	6.7 mm
Total length	70 mm	70 mm	85 mm	100 mm	100 mm	100 mm
Cutting edges	2	2	2	2	2	2
QTY	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.



Drill Bit Sets	
	Step drill bit set
	<i>3-piece set</i>
	no. 1: 1-14 mm no. 2: 8-20 mm no. 3: 16-30,5 mm
Item no.	617300
QTY /	1 pc. /
	Drill bit set
	<i>19-piece set</i>
	Ø 1-10 mm 0.5 mm steps
Item no.	637004
QTY /	1 pc. /

Can be used on non-ferrous metals, stainless steel sheets, thermoplastic and thermo-setting plastics as well as on all common steel sheets up to a thickness of max. 4 mm. With step drill bits, sheets can be centered, tapped and drilled out in one operation.



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for outstanding innovative achievements for the craft sector



EFFORTLESS

EASY ATTACHMENT DUE TO THE MAGNETIC HOLDING SYSTEM

LIGHT METAL HOUSING WITH ERGONOMIC HANDLES

GOOD ACCESSIBILITY AND GOOD VIEW ONTO THE DRILL BIT

REDUCED DRILL WEAR DUE TO VERTICAL TOOL APPROACH

Drilling in extreme situations

The BWZ 100 is mounted vertically on the sheet with the magnetic feet, minimizing the amount of force required. The built-in feed system ensures less drill wear.

**DRILLING TOOL
BWZ 100**

BWZ 100

Item no. 611110

Speed	Power	Vibration	Operating pressure	Weight
950 rpm	280 W	<2.5 m/s ²	6-8 bar	4.4 kg

Scope of delivery:

- 1 x BWZ 100 drilling tool
- 1 x special drill Ø 6.7 mm; 48/11 mm (620050)
- 1 x BTR fluid 50 ml
- 1 x allen key SW 2
- 1 x transport case
- 1 x instruction manual



BWZ 100 - drill for Mercedes riveting process preparations

3 cutting edges

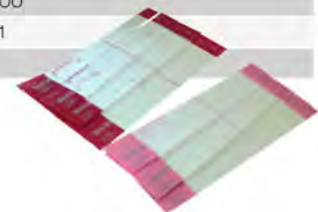
Item no. 620050

Head-Ø	6.7 mm
Shank-Ø	8.0 mm
Length of head	11 mm
Total length	48 mm
QTY	3 pc.



Special Accessories

Item no.	577107	932410
Item	temporary fasteners Ø 6.35 mm	drilling templates BWZ 100 MB type C216 + W/V221
QTY /	20 pc. /	1 set (7 pc.) /





FOR LASER WELDING SEAMS & LASER SOLDERING SEAMS

CUTTING DEPTH LIMITATION OF 0.8 OR 1.0 MM

VERY LIGHTWEIGHT

VERY ACCURATE CONCENTRICITY

GOOD ACCESSIBILITY DUE TO COMPACT DESIGN

Clean milling of the laser seams

The newly developed cutting wheel with innovative duplex sharpening is made of special solid carbide and ensures precise milling. Due to its compact design, the LC 04 is easy to handle and allows good accessibility even in narrow places.

LASER-CUTTER LC 04

Laser-Cutter LC 04

Item no. 640000

Speed	Vibration	Operating pressure	Air consumption	Weight
18,000 rpm	< 0.9 m/s ²	6-8 bar	500 l/min	0.85 kg

Scope of delivery:

- 1 x LC 04 basic machine
- 1 x mandrel 25 | 0.8 mm
- 1 x mandrel 25 | 1.0 mm
- 1 x LC 04 cutting wheel - solid carbide Ø 25 x 4 mm
- 1 x protective cover - cutting wheel Ø 25 mm
- 1 x aluminum clamping ring
- 1 x guide arm
- 2 x allen key
- 1 x cutting oil 50 ml
- 1 x transport case



Accessory Set | Laser-Cutter LC 04

Item no. 642000

Scope of delivery:

- 1 x LC 04 cutting wheel - solid carbide Ø 40 x 4 mm
- 1 x mandrel 40 mm | 0.8 mm
- 1 x mandrel 40 mm | 1.0 mm
- 1 x protective cover - cutting wheel Ø 40 mm



Side Milling Cutter | AluCut | 40 x 4.4 mm

Item no. 637117

For milling of all types of aluminium

- especially for aluminium
- extremely precise removal of weld seams due to special tothing
- special arbor with "drive pin"
- for all common straight and angle grinders with a 6 mm diameter mount

Scope of delivery:

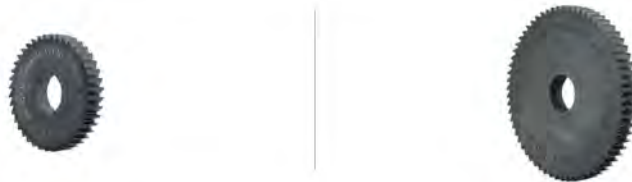
- 2 x SK AluCut side milling cutters
- 1 x mandrel SK AluCut Ø 6 mm



Mandrels				
Item no.	640005	640010	640015	640020
For cutting disk-Ø	25 mm		40 mm	
Depth of cut	0.8 mm	1 mm	0.8 mm	1 mm
QTY	1 pc.	1 pc.	1 pc.	1 pc.



Cutting Wheels		
Item no.	640025	640030
Material	solid carbide	
Thickness	4 mm	
Diameter	25 mm	40 mm
QTY	1 pc.	1 pc.



Protective Covers		
Item no.	648000	648005
Material	transparent glass	
For cutting disk-Ø	25 mm	40 mm
QTY	1 pc.	1 pc.



Guide Arm I Laser-Cutter LC 04	
Item no.	648015



Grinders

Mini Angle Grinder | pneumatic

Item no. 611003

Speed	Vibration	Operating pressure	Air consumption	Weight
72,000 rpm	2.0 m/s ²	6.3 bar	150 l/min	0.23 kg



High Speed Burrs

Material	solid carbide			HSS		
	ball	pointed cone	ball	ball	disk	cylinder
Head size	Ø 5 mm	3.2 × 5.6 mm	Ø 2.3 mm	Ø 6 mm	12 × 2.6 mm	6 × 10 mm
Shank-Ø	3 mm	3 mm	3 mm	3 mm	3 mm	3 mm
QTY	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.
Item no.	637000	637120	637121	637122	637123	637124



LC 04 Angle Grinder | pneumatic

Item no. 631003

Speed	Vibration	Operating pressure	Air consumption	Weight
18,000 rpm	< 0.9 m/s ²	6-8 bar	85 l/min	0.89 kg



Straight Grinder | pneumatic

Item no. 631002

Speed	Vibration	Operating pressure	Air consumption	Weight
20,000 rpm	< 0.9 m/s ²	6-8 bar	85 l/min	0.87 kg



Tool Holder

Item no. 637020

Shank diameter	Suitable for cut-off wheels with bore diameter	Suitable for cut-off wheels with thickness
6 mm	6 mm	0-4 mm



Grinders



Solid Carbide Burrs				Solid Carbide Burrs for Aluminium		
Item no.	637001	637002	637003	637010	637011	637012
Head-Ø	10 mm	12 mm	12 mm	12 mm	12 mm	12 mm
Length of head	20 mm	10.8 mm	25 mm	25 mm	10 mm	30 mm
Shank-Ø	6 mm	6 mm	6 mm	6 mm	6 mm	6 mm
Total length	60 mm	51 mm	65 mm	65 mm	51 mm	70 mm
QTY	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.



Mini Cut-Off Wheels				
Item no.	637021	637022	637023	637024
Internal bore	6 mm	6 mm	6 mm	6 mm
Ø	30 mm	50 mm	50 mm	50 mm
Disk thickness	1.1 mm	1.1 mm	2.1 mm	0.8 mm
QTY	50 pc.	50 pc.	50 pc.	50 pc.



Cut-Off Wheels and Tool Holder Set

Item no. 637025

Scope of delivery:
 1 x tool holder art. no. 637020
 10 x cut-off wheel 30 mm x 6 mm bore
 10 x cut-off wheel 50 mm x 6 mm bore



Grinding Disks CSD

Item no. 612010

Gentle removal of paint and dirt from sheet metal.
 Leaves a completely cleaned surface for the next phase of the process; coating, painting or soldering.

Scope of delivery:
 1 x mandrel art. no. 618011
 2x grinding disk CSD art. no. 617080



Grinding Disks CSD

Item no. 617080

Diameter	Disk thickness	Bore
100 mm	13 mm	12 mm



Mandrel for CSD Grinding Disks

Item no. 618011

Diameter up to	Disk thickness up to	Bore
150 mm	13 mm	12 mm



Grinders

Air Rubber AR 06 | pneumatic

Item no. 631030

For the removal of films and adhesive residues from painted surfaces.

Scope of delivery:

1 × Air Rubber Ar 06

1 × air rubber disk Ø 87 mm art. no. 637050



Air Rubber Disk | Ø 87 mm

Item no. 637050

For the removal of films and adhesive residues from painted surfaces.



Belt Sander | pneumatic

Item no. 671001

- for sanding belts 10 x 330 mm
- especially suitable for narrow surfaces
- continuously variable speed adjustment
- belt quick change system
- automatic belt adjustment

Speed	Power	Vibration	Operating pressure	Weight
10,500-16,000 rpm	373 W	2.5 m/s ²	6.3 bar	1.06 kg



File Belts

Item no.	Width	Length	Grit	QTY
677007	10 mm	330 mm	K 36	10 pc.
677008	10 mm	330 mm	K 60	10 pc.
677009	10 mm	330 mm	K 80	10 pc.



Abrasive Belts

Item no.	Width	Length	Grit	QTY
677011	10 mm	330 mm	K 80	10 pc.
677012	10 mm	330 mm	K 40	10 pc.
677013	10 mm	330 mm	K 60	10 pc.



Disk Sander GTC-412S | 1.4" | pneumatic

Item no. 611121

for grinding disks with the diameter 178 mm

Info: The scope of delivery does not include the disk holder

Speed	Power	Vibration	Operating pressure	Weight
4,500 rpm	520 W	2.5 m/s ²	6 bar	2.0 kg



Angle Grinder FX-8125LA | 1.4" | pneumatic

Item no. 611135

Speed	Power	Vibration	Operating pressure	Weight
9,500 rpm	745 W	4.4 m/s ²	6 bar	1.8 kg



Grinders



Pistol Grinder S 317 | 5" | pneumatic

Item no. 611124

for sanding pads with diameter 127 mm

Speed	Power	Vibration	Operating pressure	Weight
16,000 rpm	300 W	2.9 m/s ²	6 bar	1.2 kg



Accessories | Brush Grinder - Eraser 4000

Item no.	637084	637085	637086
Item	grinding disk	rubber disk	tool holder for wire brushes
QTY	1 pc.	1 pc.	1 pc.



Wire Brushes | Brush Grinder - Eraser 4000

Item no.	637081	637082	637083
Item	straight Ø 0.5 mm	angled Ø 0.5 mm	angled Ø 0.7 mm
QTY	1 pc.	1 pc.	1 pc.



Accessories | Angle Grinder DG22

Item no.	637089	637087	637088
Item	mounted grinding stone set 10 pc.	back-up pad for cleaning / fleece disks	back-up pad for cleaning / fleece disks
Diameter	shank: 6 mm	51 mm	71 mm
QTY	1 pc.	1 pc.	1 pc.



Cleaning / Fleece Disks

Item no.	Diameter	Fineness	Colour	QTY
637090	51 mm	fine	yellow	10 pcs.
637091	51 mm	medium	red	10 pcs.
637092	51 mm	rough	green	10 pcs.
637093	77 mm	fine	yellow	10 pcs.
637094	77 mm	medium	red	10 pcs.
637095	77 mm	rough	green	10 pcs.



