

► UNIVERSAL EDGE-MILLING AND DEBURRING DEVICE



B



ALFRA EDGE-MILLING AND DEBURRING DEVICES – OVERVIEW

Made in Germany by ALFRA



KfV



KfH 150

Page	B/72	B/74
Prod.-No.	25260	25100
Prism mounting	–	L = 150 mm / B = 20/40 mm
End mill Ø	45° or straight Ø 6 mm or 8 mm	TCT as per DIN, Ø 8 mm
Maximum bevel width ▶ in multiple operations	1 - 3 mm	1 - 5 mm, depending on material, with fine adjustment
Edge angle	45° and radii	45°
High-performance motor	✓	✓
Motor power	500 Watt	1.050 Watt
Stepless RPM control	11.000 - 25.000 min ⁻¹ with softstart	8.000 - 25.000 min ⁻¹
Full-wave control electronics	✓	✓
Clamping neck Ø	43 mm	43 mm
Voltage	230 V, 50 – 60 Hz + 110 V, 50 – 60 Hz	230 V, 50 – 60 Hz + 110 V, 50 – 60 Hz
Weight	1.8 kg	3.5 kg
Dimensions (L x W x H)	260 x 190 x 150 mm	340 x 150 x 110 mm
Cord length	3.0 m	3.0 m

MOTORS



Prod.-No.	230V: 25193	110V: 25193.110	230V: 25191	110V: 25191.110
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ALFRA EDGE-MILLING AND DEBURRING DEVICES – OVERVIEW



Made in Germany by ALFRA



KFT 250



KFH 250



KFT 500

B/76	B/78	B/80
25110	25130	25140
L = 250 mm / B = 40 mm	L = 250 mm / B = 70 mm	L = 500 mm / B = 70 mm
TCT as per DIN, Ø 8 mm	TCT as per DIN, Ø 12 mm	TCT as per DIN, Ø 12 mm
1 - 5 mm, depending on material	14 mm DIN S233-S235 6.5 mm stainless steel	1.5 - 14 mm
45°	Continuously adjustable, 30° - 45° - 30° Right and left for 60° welding bevels. Also for radii R = 3.0, 4.0 and 5.0 using radius TCT cutter	45°
✓	✓	✓
1.050 Watt	1.800 Watt	1.800 Watt
8.000 – 25.000 min ⁻¹	2.500 – 22.500 min ⁻¹	2.500 – 22.500 min ⁻¹
✓	✓	✓
43 mm	63 mm	63 mm
230 V, 50 – 60 Hz + 110 V, 50 – 60 Hz	230 V, 50 – 60 Hz + 110 V, 50 – 60 Hz	230 V, 50 – 60 Hz + 110 V, 50 – 60 Hz
5.0 kg	12.8 kg	18 kg
360 x 250 x 110 mm	480 x 315 x 145 mm	450 x 500 x 160 mm
3.0 m	3.0 m	3.0 m

MOTORS



230V: 25191

110V: 25191.110



230V: 25192

110V: 25192.110



230V: 25192

110V: 25192.110

B



ALFRA EDGE-MILLING AND DEBURRING DEVICES – OVERVIEW

Made in Germany by ALFRA



KFK 5



SKF 63-15

Page	B/84	B/86
Prod.-No.	25200	25010
Prism mounting	–	Guide mounting with rollers 240 x 80 mm / 220 x 75 mm
End mill Ø	Inserts	Inserts
Maximum bevel width ▶ in multiple operations	45°: Steel 0 - 5 mm, aluminium 0 - 8 mm 30°: Steel 0 - 4 mm, aluminium 0 - 6 mm	15 mm max
Edge angle	45° (optional 30°, 60°) Radii R = 2.5	15° - 20° - 30° - 45° - 60° adjustable
High-performance motor	✓	✓
Motor power	1.300 Watt	1.100 Watt
Stepless RPM control	4200 - 11.000 min ⁻¹ with softstart	2870 min ⁻¹
Full-wave control electronics	✓ with thermal and overload protection	✓ with thermal and overload protection
Right/left run	–	–
Voltage	230 V, 50 - 60 Hz + 110 V, 50 - 60 Hz	230 V, 50 Hz + 110 V, 50 - 60 Hz
Weight	4.2 kg	21.0 kg
Dimensions (L x W x H)	L = 450 mm	440 x 200 x 280 mm
Cord length	3.0 m	3.0 m

B



ALFRA EDGE-MILLING AND DEBURRING DEVICES – OVERVIEW



Made in Germany by ALFRA



SKS-15 AUTO

	B/88
	25950
	-
	Shearing blades: \varnothing 100 mm
	0.5 - 15 mm
	15° - 50° continuously adjustable
	-
	1.500 Watt
	2800 min ⁻¹
	-
	-
	220/380V, 50 – 60 Hz
	88 kg
	450 x 400 x 820 mm
	-

B

Four applications – one device



Prisms, free-hand



Prisms, stationary



Contours, stationary



Contours, free-hand

KFV



ADJUSTMENT OF BEVEL WIDTH

WITH THERMAL AND OVERLOAD PROTECTION

ON/OFF SWITCH

B

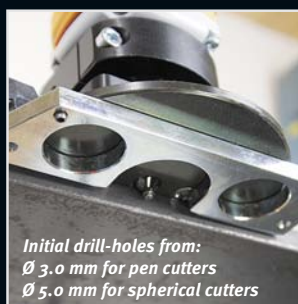
ALFRA KVV EDGE DEBURRING UNIT



Made in Germany by ALFRA

Drive motor (with clamping flange \varnothing 43 mm) 500 Watt, RPM control 11.000 - 25.000 rpm, quick-change-fitting for use with attachments.

- Contour milling fitting with support table, 72 x 64 mm
- Table milling fitting with support plate, \varnothing 120 mm
- Tool-less milling height setting.
- Handy and powerful.
- For construction steel, stainless steel, aluminium and other material.
- Also for radii



Initial drill-holes from:
 \varnothing 3.0 mm for pen cutters
 \varnothing 5.0 mm for spherical cutters



B

Technical specifications:

Bevel angle:	45°
Bevel width 45°:	1 - 3 mm, continuously adjustable
Radius:	R = 1.0 - 1.5 - 2.0
Motor voltage:	230 V 50-60Hz; 110V 50-60Hz
Rating:	500 W
Speed:	11.000 - 25.000 min ⁻¹ with softstart with thermal and overload protection manual
Feed:	
Weight:	1.8 kg

Scope of Supply:

- KVV deburring and bevelling device, drive motor with clamping flange, \varnothing 43 mm
- Quick-change fitting for use with attachments
- Contour milling fitting with support table, 72 x 64 mm
- Table milling fitting with support plate, \varnothing 120 mm
- Prism milling fitting with guide rails, 150 mm length
- Tensioning shank for vice
- Collet 6 mm (mounted), collet 8 mm (included)
- One set of operating tools
- Carrying case
- Guide stop for outer edges
- 1 Operational manual



Prod.-No.

Edge-milling unit, KVV, complete	230V 50-60Hz	25260
Edge-milling unit, KVV, complete	110V 50-60Hz	25260.110



ALFRA EDGE DEBURRING UNIT

KFH 150



B

ALFRA EDGE DEBURRING UNIT - KFH 150



Made in Germany by ALFRA

The unit enables work pieces to be worked wherever machined edge milling is too expensive.

Hand-operated model for 45° deburring of larger work pieces, profiles, supports, sheet metal panels, with 90° mounting.

- Hand-operated, for 45° bevels.
- Optimal guidance and safe handling.
- Commercially available solid carbide cutter Ø 8 mm.

FULL-WAVE
CONTROL ELECTRONICS



Technical specifications:

Prism mounting 45°:	L = 150 mm
	W = 20/40 mm
End mill:	Solid carbide as per DIN, Ø 8 mm
Maximum bevel width:	1 - 5 mm, dependent on material with fine adjustment
High-performance motor	With full-wave control electronics
Motor voltage:	230V 50-60Hz; 110V 50-60Hz
Motor power:	1.050 W
Electronics:	8.000 – 25.000 min ⁻¹
Clamping neck Ø:	43 mm
Weight:	3.5 kg

Scope of Supply:

- Deburring unit KFH 150
- 1 set of guide rails
- 1 collet 8 mm Ø and clamping nut
- 1 set of operating manual

Prod.-No.

Deburring unit KFH 150	230V 50-60Hz	25100
Deburring unit KFH 150	110V 50-60Hz	25100.110
Adapter head for deburring unit KFH 150		25109

Cost reduction:

Most of the cutting area can be accessed by moving the milling cutter in the collet.



B



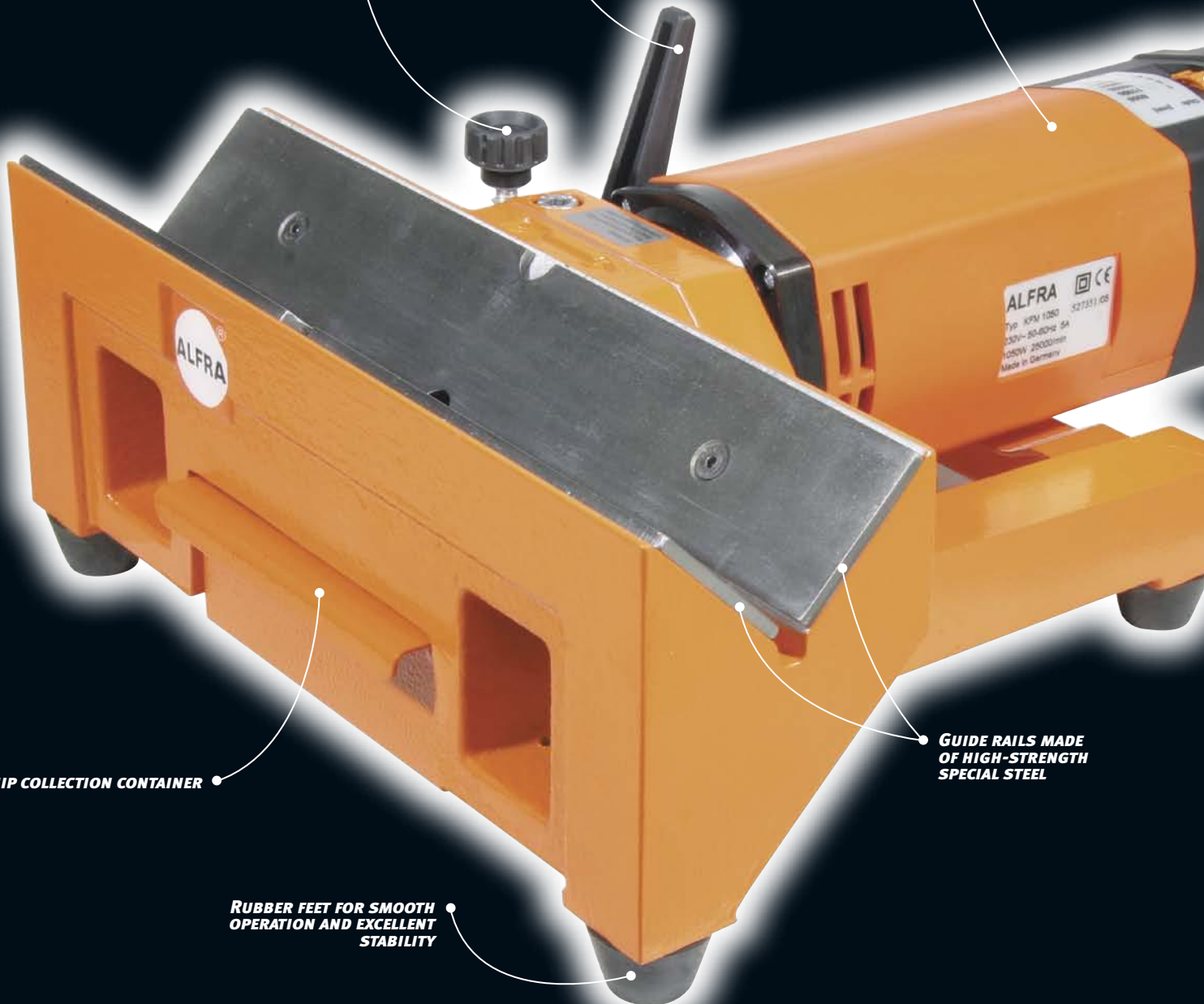
ALFRA EDGE DEBURRING UNIT

KFT 250

CLAMPING GRIP
FOR RAPID ADJUSTMENT

HIGH-PERFORMANCE MOTOR
WITH DOUBLE BEARING-MOUNTED
MILLING SPINDLE

FINE ADJUSTMENT TO
BEVEL DEPTH / WIDTH



GUIDE RAILS MADE
OF HIGH-STRENGTH
SPECIAL STEEL

CHIP COLLECTION CONTAINER

RUBBER FEET FOR SMOOTH
OPERATION AND EXCELLENT
STABILITY

B

ALFRA EDGE DEBURRING UNIT - KFT 250



Made in Germany by ALFRA

Simple, cost-effective deburring unit for light to medium use.

To obtain perfectly milled surfaces with DIN 6527 solid carbide end mills in rolling sections with no secondary milling.



Technical specifications:

- Milling area: Bevel angle 45°
- Prism mounting position I: Material thickness from 4.5 mm
- Position II: Material thickness from 1.0 mm
- Prism mounting: L = 250 mm
- Guide rail: W = 40 mm
- Maximum bevel width: 5 mm, dependent on the material.
- Also for stainless steel when selecting a suitable-milling cutter and RPM control, and cuts (spray edges with cutting oil).
- Weight: 5.0 kg
- High-performance drive motor: 1.050 W
- Triple bearing
- Double bearing-mounted milling spindle
- Spindle bearings with high-speed lubrication
- Standard clamping flange Ø: 43 mm
- Stepless RPM control: 8.000 - 25.000 min⁻¹
- Motor voltage: 230V 50-60Hz; 110V 50-60Hz
- Full-wave control electronics –
- When under load, the tachogenerator provides additional power.

FULL-WAVE
CONTROL ELECTRONICS



Position I: Material thickness from 4.5 mm



Position II: Material thickness from 1.0 mm



Foot switch (optional)
Prod.-No. 25116

Scope of Supply:

- Deburring unit KFT 250 with fine milling depth adjustment
- 1 set of guide rails
- 1 collet 8 mm Ø and clamping nut
- 1 chip collection container
- 1 set of operating tools
- 1 set of operating manual

Prod.-No.

Deburring unit KFT 250	230V 50-60Hz	25110
Deburring unit KFT 250	110V 50-60Hz	25110.110

Table for deburring unit KFT 250	25111
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Special Accessories:

ALFRA foot switch with device cable socket	230V	25116
ALFRA foot switch with device cable socket	110V	25116.110

Cost reduction:

Most of the cutting area can be accessed by moving the milling cutter in the collet.



B



ALFRA EDGE DEBURRING UNIT

KFH 250

HIGH-PERFORMANCE MOTOR WITH
DOUBLE BEARING-MOUNTED MILLING SPINDLE

FINE ADJUSTMENT TO
MILLING DEPTH / BEVEL WIDTH

ERGONOMICALLY SHAPED
GUIDE HAND GRIP

30° - 45° - 30°
SWIVELLING

GUIDE RAILS MADE OF
HIGH-STRENGTH SPECIAL STEEL

B

ALFRA EDGE DEBURRING UNIT – KFH 250



Made in Germany by ALFRA

Hand-held model specially developed for working on edges (visible edges) and bevelling up to 60° on large rectangular work pieces.

- A vital accessory for mechanical engineering.
- Wide speed range for different materials.
- Individually adjustable milling depth.
- Easy to handle and guide with two support rollers.

CLAMPING GRIP FOR RAPID ADJUSTMENT



GUIDE ROLLERS FACILITATE FEEDING



Fine adjustments to milling depth/bevel width



Technical specifications:

Prism mounting:	L = 250 mm W = 70 mm
Shank cutter Ø:	12 mm DIN 6527
Maximum bevel width:	14 mm (dependent on the material)
Edge angle:	continuously adjustable swivelling, 30°-45°-30°, right and left. Also for radii r = 3,0, 4,0, 5,0 using radius-solid-carbide milling cutter
Rating:	1.800 W (high-quality motor for difficult deburring tasks)
Stepless RPM control:	2.500 – 22.500 min ⁻¹
Full-wave control electronics –	When under load, the tachogenerator provides additional power.
Clamping neck Ø:	63 mm
Motor voltage:	230V 50-60Hz; 110V 50-60Hz
Weight:	12.8 kg

Scope of Supply:

- Deburring unit KFH 250 with fine milling depth adjustment
- 1 set of guide rails with two support rollers
- 1 collet Ø 12 mm and clamping nut
- 1 set of operating tools
- 1 set of operating manual

Prod.-No.

Deburring unit KFH 250	230V 50-60Hz	25130
Deburring unit KFH 250	110V 50-60Hz	25130.110
Adapter head for deburring unit KFH 250		25131

Cost reduction:

Most of the cutting area can be accessed by moving the milling cutter in the collet.



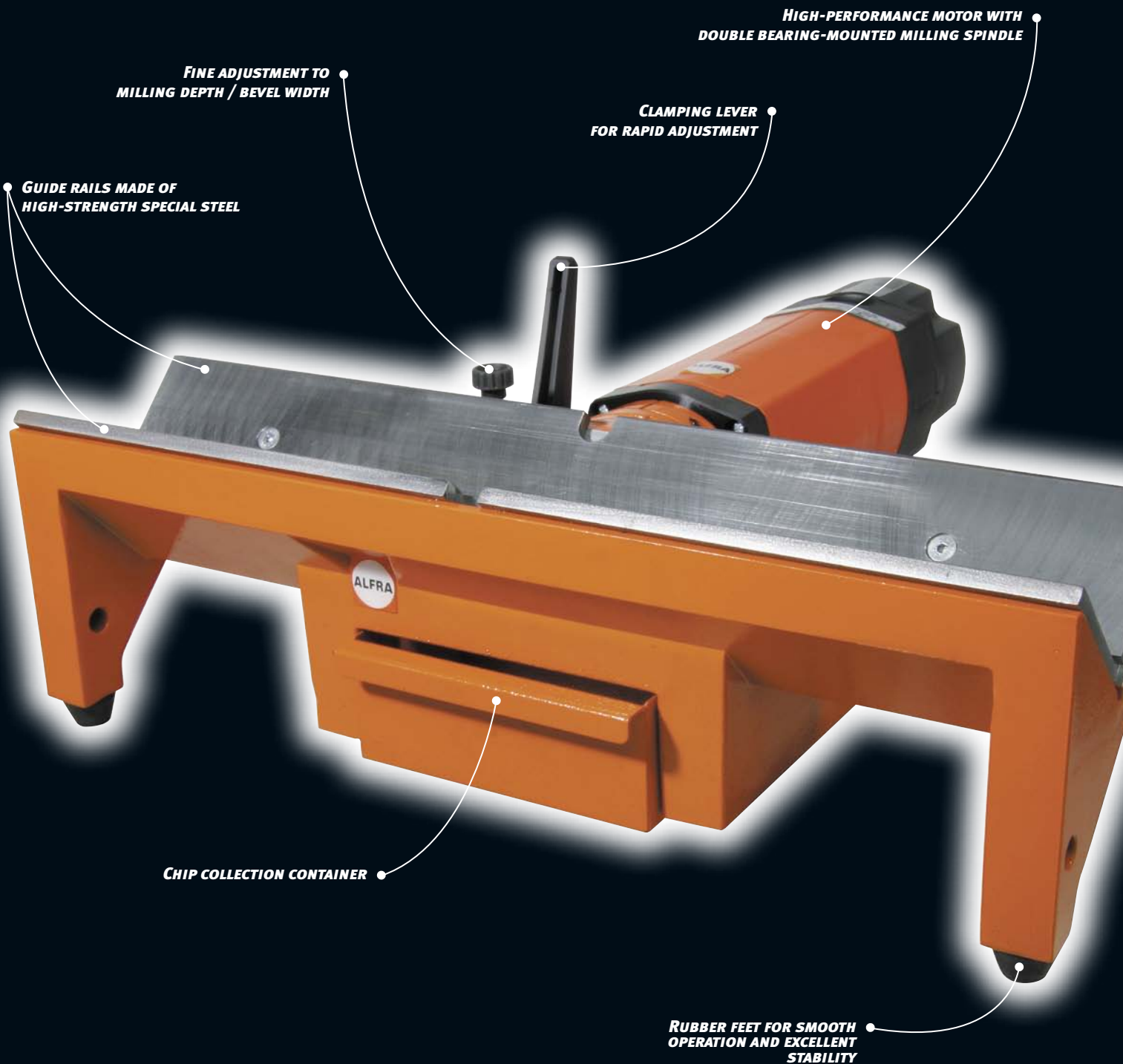
Prism mounting and support rollers made of wear-resistant plastic upon request.

B



ALFRA EDGE DEBURRING UNIT

KFT 500



HIGH-PERFORMANCE MOTOR WITH
DOUBLE BEARING-MOUNTED MILLING SPINDLE

FINE ADJUSTMENT TO
MILLING DEPTH / BEVEL WIDTH

CLAMPING LEVER
FOR RAPID ADJUSTMENT

GUIDE RAILS MADE OF
HIGH-STRENGTH SPECIAL STEEL

CHIP COLLECTION CONTAINER

RUBBER FEET FOR SMOOTH
OPERATION AND EXCELLENT
STABILITY

B

ALFRA EDGE DEBURRING UNIT - KFT 500



Made in Germany by ALFRA

For medium- and large-sized work pieces.
Maximum bevel width 14 mm

To obtain perfectly milled surfaces with solid carbide end mills in rolling sections with no secondary milling.



Exact deburring with self-generating milling cutter



Foot switch (optional)
Prod.-No. 25116



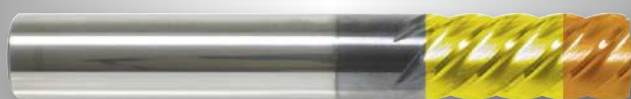
Fine adjustments to milling depth/
bevel width



Position I: Material thickness 6 - 14 mm



Position II: Material thickness from 1.5 mm



Cost reduction:

Most of the cutting area can be accessed by moving the milling cutter in the collet.



Technical specifications:

Deburring area:	Bevel angle 45°
Prism mounting position I:	Material thickness 6 - 14 mm
Position II:	Material thickness from 1.5 mm
Prism mounting:	L = 500 mm
Guide rail:	W = 70 mm
Maximum bevel width:	14 mm, dependent on the material
	Also for stainless steel when selecting a suitable milling cutter and RPM control, and cut division (spray edges with cutting oil). Also for radii R 3.0, 4.0, 5.0 using radius solid carbide cutter
High-performance drive motor:	1.800 W
Triple bearing, double bearing-mounted milling spindle	
Spindle bearings with high-speed lubrication	
Clamping neck Ø:	63 mm
Stepless RPM control:	2.500 – 22.500 min ⁻¹
Motor voltage:	230V 50-60Hz; 110V 50-60Hz
Full-wave control electronics – when under load, the tachogenerator provides additional power	
Weight:	18 kg

Scope of Supply:

- Deburring unit KFT 500 with fine milling depth adjustment
- 1 set of guide rails
- 1 collet Ø 12 mm and clamping nut DIN 6499
- 1 chip collection container
- 1 set of operating tools
- 1 set of operating manual

		Prod.-No.
Deburring unit KFT 500	230V 50-60Hz	25140
Deburring unit KFT 500	110V 50-60Hz	25140.110
Table for deburring unit KFT 500		25141
ALFRA foot switch with device cable socket	230V	25116
ALFRA foot switch with device cable socket	110V	25116.110

Shorter run times and motor-saving work.

Function: Foot switch pressed – socket is live

Foot switch released – power supply interrupted

B

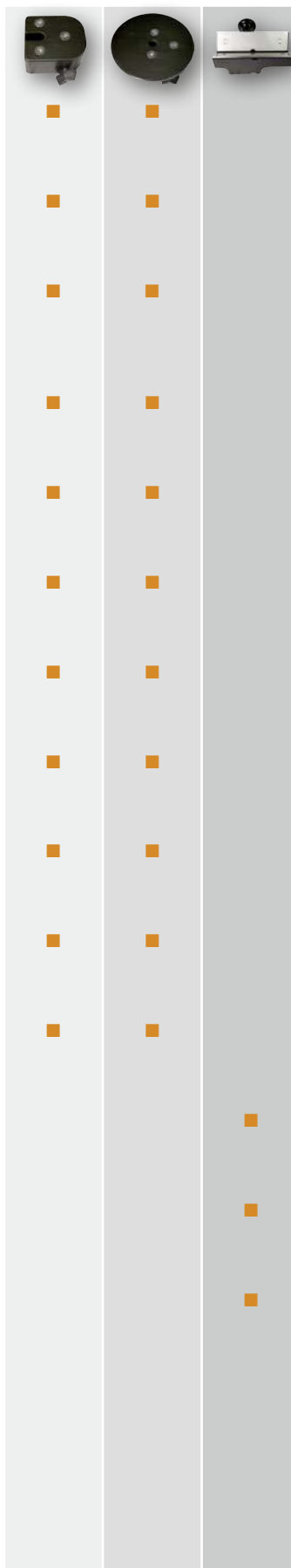


ALFRA - CARBIDE DEBURRING END MILLS FOR KEY

Made in Germany

Description

Prod.-No.



Deburring end mill 45°
 Ø 6 mm, tip Ø 2.5 mm, length 31 mm, 3 cuts
 Suitable for: stainless steel, cast iron

25270-A



Prod.-No.
25270-A

Deburring end mill 45°
 Ø 6 mm, tip Ø 2.5 mm, length 31 mm, 5 cuts
 Suitable for: stainless steel, cast iron

25271-A



Prod.-No. 25271-A

Deburring end mill, radius R = 0.5
 Ø 6 mm, tip Ø 2.9 mm, length 31 mm, 3 cuts
 Radius R = 0.5
 Suitable for: stainless steel, cast iron

25272-A



Prod.-No. 25272-A

Deburring end mill, radius R = 1.0
 Ø 6 mm, tip Ø 2.9 mm, length 31 mm, 3 cuts
 Suitable for: stainless steel, cast iron

25273-A



Prod.-No. 25273-A

Deburring end mill, radius R = 1.5
 Ø 6 mm, tip Ø 2.9 mm, length 31 mm, 3 cuts
 Suitable for: stainless steel, cast iron

25274-A



Prod.-No. 25274-A

Deburring end mill, radius R = 1.0
 Ø 10 mm, tip Ø 4.8 mm, length 30 mm, 6 cuts
 Suitable for: stainless steel, cast iron

25275-A



Prod.-No. 25275

Deburring end mill, radius R = 1.5
 Ø 10 mm, tip Ø 4.8 mm, length 30 mm, 6 cuts
 Suitable for: stainless steel, cast iron

25276-A



Prod.-No. 25276-A

Deburring end mill, radius R = 2.0
 Ø 10 mm, tip Ø 4.8 mm, length 30 mm, 6 cuts
 Suitable for: stainless steel, cast iron

25277-A



Prod.-No. 25277-A

Deburring end mill 45°
 Ø 10 mm, tip Ø 4.8 mm, length 30 mm, 6 cuts
 Suitable for: stainless steel, cast iron

25278-A



Prod.-No. 25278-A

Axes with thrust bearing
 (Axis: Ø 1.5 mm - bearing: Ø 3.0 mm)
 Suitable for deburring mills with tips - Ø 2.5 - 2.9 mm

25279-A



Prod.-No. 25279-A

Axes with thrust bearing
 (Axis: Ø 1.5 mm - bearing: Ø 5.0 mm)
 Suitable for deburring mills with tips - Ø 4.8 mm

25280-A



Prod.-No. 25280-A

Deburring end mill with serration
 Ø 8 mm, 4 cuts
 Suitable for: Steel, stainless steel, cast iron

25281



Prod.-No. 25281

Deburring end mill with serration
 Ø 8 mm, 6 cuts
 Suitable for: Steel, stainless steel, cast iron

25282



Prod.-No. 25282

Deburring end mill with serration
 Ø 8 mm, 12 cuts
 Suitable for: Steel, stainless steel, cast iron

25283



Prod.-No. 25283

B



ALFRA – CARBIDE DEBURRING END MILLS FOR KFH/KFT



Made in Germany

ALFRA Solid Carbide End Mill - Deburring End Mill (similar to DIN 6527)

- This solid carbide end mill was developed for perfect deburring.
- The chips are removed from the motor spindle into the chip collection container or the chip duct.
- Total length 60 mm or 80 mm.
- Coated design



	Ø	Cutting edges	Prod.-No.	Prod.-No.	Prod.-No.	Prod.-No.
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TCT mill

End mill with larger chip spaces, suitable for large bevels on soft materials such as **aluminium**, as well as brass, copper, and plastics. Universal application for steel and stainless steel.



8 mm

3

25150P

25150P



12 mm

3

25160P

25160P

TCT mill

End mill with larger chip spaces, suitable for larger bevels. Universal application such as for **stainless steel**, as well as steel, cast iron, non-ferrous metals, plastics



8 mm

4

25151P

25151P



12 mm

4

25161P

25161P

TCT mill

Roughing, fine cord. For attaching welding bevels. For **steel**, as well as cast iron, stainless steel (universal milling cutter)



8 mm

4

25154P

25154P



12 mm

4

25163P

25163P

Solid Carbide Radius End Mill*

- Solid Carbide Radius End Mill with 2 radius grooves for dual use
- For rounding off work piece edges
- Universally applicable. For hard materials, the radii should be created in successive steps with increasing milling depths.
- The fine adjustment of the contour of the radii to the edge of the work piece is achieved using the axial displacement of the motor in the clamping holes.



*Delivery time upon request.

R 3.0	12 mm	5	-	-	25165	25165
R 4.0	12 mm	5	-	-	25166	25166
R 5.0	12 mm	5	-	-	25167	25167



ALFRA EDGE DEBURRING UNIT

KFK 5

HIGH-PERFORMANCE MOTOR
WITH SOFT START MOTOR

WITH THERMAL AND
OVERLOAD PROTECTION

ERGONOMICALLY SHAPED
HAND GRIP WITH
ON-/ OFF-SWITCH

CONTINUOUSLY ADJUSTABLE
BEVEL WIDTH SETTING USING SCALE

45° + R 2.5
Prod.-No. 25202

30°
Prod.-No. 25203

B

ALFRA EDGE DEBURRING UNIT – KFK 5



Made in Germany by ALFRA

For deburring inner and outer edges, bevelling metal parts, milling radii and holes from \varnothing 20 mm. Specially developed to produce clean visible edges and weld preparation.

- Tool-less bevel height setting.
- Handy and powerful.
- For structural steel, stainless steel, aluminium and other materials.
- Multiple insert holders, 45° (optional 30°).
- Also for radii R = 2.5



Technical specifications:

Bevel angle:	45° (optional 30°, 60°)
Bevel width 45°:	Steel 0 – 5 mm 400 N/mm ² continuously adjustable Aluminium 0 – 8 mm 250 N/mm ² continuously adjustable
Bevel width 30°:	Steel 0 – 4 mm 400 N/mm ² continuously adjustable Aluminium 0 – 6 mm 250 N/mm ² continuously adjustable
Radius:	R = 2.5
Motor voltage:	230V 50-60Hz; 110V 50-60Hz
Rating:	1.530 W
Speed:	4.200 - 11.000 min ⁻¹ with softstart with thermal and overload protection
Feed:	manual
Weight:	4 kg

Scope of Supply:

- KFK 5 – Deburring and bevelling unit
- 1 pc. 45° milling tool with inserts
- 1 tool set
- Carrying case
- 1 set of operating manual



Prod.-No. 25207



		Prod.-No.
Deburring unit KFK 5 – with 45° milling head	230V 50-60Hz	25200
Deburring unit KFK 5 – with 45° milling head	110V 50-60Hz	25200.110
Deburring unit KFK 5 – with 30° milling head	230V 50-60Hz	25201
Deburring unit KFK 5 – with 30° milling head	110V 50-60Hz	25201.110

Additional accessories:

45° replacement milling head/radius R=2.5 (no inserts)	25202
30° replacement milling head (no inserts)	25203
60° replacement milling head (no inserts) upon request	25213

Adjustable guide stop for outer edges	25207
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Tools:

Insert PM25M for steel 13.47 x 3 coated	25206
Radius insert 2.5 mm	25205
Insert K10 for aluminium/cast iron	25208
Insert BK84 for steel/stainless steel	25209
Torx screws, individual, for replacement inserts	25210

B



ALFRA BEVEL MILLING MACHINE

SKF 63-15



B

ALFRA BEVEL MILLING MACHINE – SKF 63-15



Made in Germany by ALFRA • For bevel widths up to maximum 15 mm and with continuously variable angle adjustment 15 - 60°

- The ALFRA bevel milling machine was specially developed for weld preparation and for milling metallic materials.
- Universally applicable in construction areas thanks to its light weight and direct use on the work piece.
- Designed for one-man operation, the machine is placed on a 90° angle on the work piece, a light downward pressure applied, and guided along manually.
- The design of this side milling cutter, which uses commercially available inserts and a rotation speed of 2.870 rpm, guarantees chatter-free, uniform bevel milling.
- The roller guide rails are made of hardened steel and guarantee excellent feed rates.
- Simple, safe operation with overload protection and restart interlock.
- OFF switch integrated into the right-side hand grip (illustration).
- Pipes from Ø 160 mm to 390 mm can be externally milled by means of an additional device.
- Optional device for larger pipes, Ø of 1.000 - 1.500 - 2.000 mm upon request.



Integrated OFF switch

Technical specifications:

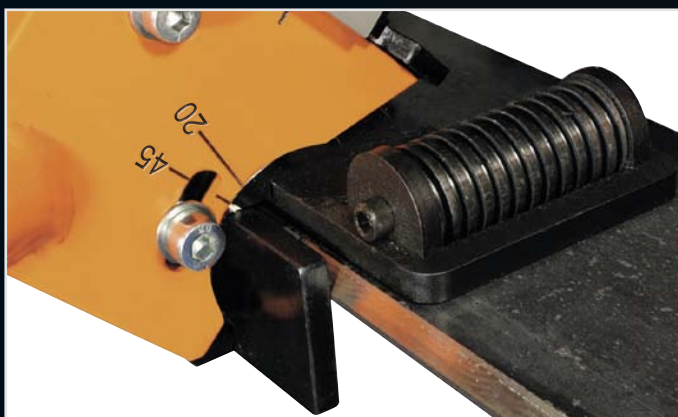
Motor voltage:	230 V 50Hz; 230 V 60Hz; 110V 50Hz; 110V 60Hz
Rating:	1.100 Watt
Speed:	2.870 min ⁻¹
Bevel width:	15 mm max.
Bevel angle:	15 - 20 - 30 - 45 - 60° adjustable
Weight:	21 kg
Dimensions (L x W x H):	440 x 200 x 280 mm

Scope of Supply:

- Deburring unit SKF 63-15
- 1 Set of operating tools
- Operating manual
- Carrying case



2 milling disks together with 6 inserts each



Prod.-No.

Prod.-No.	Motor Voltage	Machine Model
25010	230V 50Hz	Bevel milling machine SKF 63-15
25010.230-60Hz	230V 60Hz	Bevel milling machine SKF 63-15
25010.110-50Hz	110V 50Hz	Bevel milling machine SKF 63-15
25010.110-60Hz	110V 60Hz	Bevel milling machine SKF 63-15

Options:

SKF 63/15 with reduced RPM of 1.400 rpm for use on stainless steel available upon request.

Optional accessories:

Tube insert for processing tube outer bevelling from Ø 160 mm to 390 mm	25014
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Optional device for larger Ø up to 1.000 - 1.500 - 2.000 mm upon request.

Replacement parts:

Replacement milling head	25011
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Consisting of: 2 milling disks and 6 high-speed inserts

Replacement milling disks, individual, with no insert	25012
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Carbide insert, TiAlN/TiN-PVD multi-layer coating	25013
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Universal for steel and inox, clearance angle 11°

Carbide insert, TiAlN/TiN-PVD multi-layer coating	25010.15036B
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For steel < 850 N/mm²; inox <> 900 N/mm², clearance angle 20°

Carbide insert, TiAlN/TiN-PVD multi-layer coating	25010.15036E
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For steel < 1400 N/mm²; inox <> 900 N/mm², clearance angle 11°

Auxiliary assembly device	25019
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For equipping the milling disks with inserts.



ALFRA AUTOMATIC WELD EDGE SHEARING MACHINE

SKS-15 AUTO



B

ALFRA AUTOMATIC WELD EDGE SHEARING MACHINE

SKS-15 AUTO



For producing weld edges in mechanical engineering, boilers, apparatus, ship-building, welding technology teaching, container construction, etc.

In the development of our machines we are guided by our many years of practical experience. Many details come more or less straight from the user.

The result is a transportable, compact and extremely powerful weld edge shearing machine with a bevel width capacity of up to 15 mm and a continuously adjustable milling angle of 15° - 50°.

The weld is prepared by shearing the material using a shearing blade. The unit's operating principle is very efficient, and it runs smoothly and silently.

Universally applicable:

- Stationary or self-feeding on long steel plates. The machine works by itself along the edge of the work piece.
- The following are required for this: Crane attachment or running, mobile lifting table XT (optional).
- For steel with a tensile strength of approx. 370 N/mm² up to 520 N/mm² - also for stainless steel and aluminium. As the tensile strength of the material to be processed increases, the bevel width must be reduced, and/or the final "target bevel width" must if necessary be created in multiple steps.

Technical specifications:

Maximum bevel width:	0.5 to 15 mm for S235, the maximum bevel width of 8 mm should not be exceeded in any single work step
Feed:	approx. 3 m/min.
Bevel angle:	15° - 50°, continuously adjustable
Material thickness:	min. 6 mm to max. 40 mm
Minimum material width:	70 mm With hand wheel for material thickness Rapidly adjustable
Minimum material length:	150 mm
Shearing blade:	regrindable
Lifespan of shearing blade:	approx. 1.500 - 2.000 m with 5x regrinding and grinding removal of approx. 7/10 (S235 and 8 mm bevel width)
Motor power:	220/380 V / 50/60 Hz / 1500 Watt, 2800 min ⁻¹ dust-protected, EC-compliant
Electric:	L = 450 mm, W = 400 mm, H = 820 mm
Dimensions:	88 kg
Weight:	The data given above is dependent on the material being processed, and the bevel width.

Scope of Supply:

- SKS-15 Auto, 220/380 V, ready to use, with
- 1 shearing blade, Eco quality
- 1 wrench for angle adjustments
- 1 stripping tool for blade replacement
- 1 set of spacer disks * 0.5, 1.0, 2.0 mm
- Operating manual
- * The mass removed during regrinding must be compensated for using appropriate spacer disks.

Prod.-No.

SKS-15 AUTO, 220/380 V 25950

Accessories:

XT Mobile lift table, swivelling 180° 25960

- Unevenness is compensated for by "floating" mounting.
- Access to the underside also when the floor height is very small, but extremely wide height adjustment range.
- 180° adjustable for topside/underside grinding in two passes.
- Simple height levelling
- Manual control for machine operation during overhead milling.

Remote control - only for older models! 25961

Complete with cable and connector, including box)

Shearing blades

Shearing blades, premium quality 25951

Serrated, HSS steel, coated
Ø = 100 mm, e = 29 mm

Shearing blades, Eco quality 25952

Serrated, HSS steel
Ø = 100 mm, e = 29 mm

Shearing blades for other brands

Shearing blades, suitable for 25954

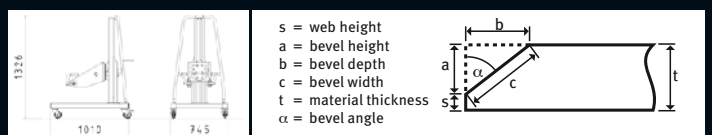
CEVISA (CHP6, CH-12, CHP12G)

GBC (CHALLENGE 15)

GERIMA (MSA200, MSA400)

Serrated, Ø 93.2 mm (D)

Blade thickness = 20 mm (E)



B