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**ALFRA** – separates the tools from the toys

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3
ALFRA – separates the tools from the toys

Deburring Technology

Bevel Milling and Deburring Devices for Universal Uses
## ALFRA Bevel Milling- and Deburring Devices – Overview

Made in Germany by ALFRA

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<td>Prism support</td>
<td>$L = 6&quot; / W = \frac{15}{16}&quot;$&lt;br&gt;$L = 150 \text{ mm} / W = 20/40 \text{ mm}$</td>
<td>$L = 10&quot; / W = 3&quot;$&lt;br&gt;$L = 250 \text{ mm} / W = 70 \text{ mm}$</td>
<td>support guide with rollers&lt;br&gt;$9\frac{7}{16}&quot; x 3\frac{1}{8}&quot; / 8\frac{11}{16}&quot; x 2\frac{15}{16}&quot;$&lt;br&gt;$240 \times 80 \text{ mm} / 220 \times 75 \text{ mm}$</td>
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<tr>
<td>End Mill Ø</td>
<td>Solid Carbide acc. to DIN, $\frac{15}{16}$&lt;br&gt;$9\frac{7}{16}&quot; \times 3\frac{1}{8}&quot;$&lt;br&gt;$240 \times 80 \text{ mm}$</td>
<td>Solid Carbide acc. to DIN, $\frac{7}{16}$&lt;br&gt;$8\frac{11}{16}&quot; \times 2\frac{15}{16}&quot;$&lt;br&gt;$220 \times 75 \text{ mm}$</td>
<td>indexable inserts&lt;br&gt;$1\frac{15}{16}$&lt;br&gt;$220 \times 75 \text{ mm}$</td>
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<tr>
<td>Max. Bevel Width</td>
<td>$\frac{3}{64}&quot; - \frac{13}{64}&quot;$, depending on material, with fine adjustment</td>
<td>$\frac{9}{16}&quot;$, depending on material</td>
<td>$\frac{15}{32}&quot;$, max.</td>
</tr>
<tr>
<td>Bevel Angle</td>
<td>$45^\circ$</td>
<td>continuously $30^\circ - 45^\circ - 30^\circ$ pivoting left and right for $60^\circ$ welding bevels. As well for radii $r=3.0, 4.0$ and $5.0$ by means of radius solid carbide end mills.</td>
<td>$15 - 20 - 30 - 45 - 60^\circ$ adjustable</td>
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<tr>
<td>High Performance Motor</td>
<td>■</td>
<td>■</td>
<td>■</td>
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<tr>
<td>Motor Capacity</td>
<td>1050 Watt</td>
<td>1800 Watt</td>
<td>1100 Watt</td>
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<tr>
<td>Stepless Speed Control</td>
<td>8000 up to 25000 rpm</td>
<td>2500 up to 23500 rpm</td>
<td>2870 rpm</td>
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<tr>
<td>Full Wave Electronics</td>
<td>■</td>
<td>■</td>
<td>■ with thermal and overload protection</td>
</tr>
<tr>
<td>Collet Ø</td>
<td>$1\frac{39}{64}&quot; - 43 \text{ mm}$</td>
<td>$2\frac{13}{64}&quot; - 63 \text{ mm}$</td>
<td></td>
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<tr>
<td>Voltage</td>
<td>110 V, 50 – 60 Hz&lt;br&gt;or 230 V, 50 – 60 Hz</td>
<td>110 V, 50 – 60 Hz&lt;br&gt;or 230 V, 50 – 60 Hz</td>
<td>110 V - 50 Hz&lt;br&gt;or 110 V - 60 Hz</td>
</tr>
<tr>
<td>Weight</td>
<td>7 lbs./3.5 kg</td>
<td>23 lbs./12.8 kg</td>
<td>46.2 lbs./21 kg</td>
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<tr>
<td>Dimensions (LxWxH)</td>
<td>$13.39 \frac{3}{64}&quot; \times 5.91&quot; \times 4.33&quot;$</td>
<td>$18.9&quot; \times 12.4&quot; \times 5.71&quot;$</td>
<td>$17.32&quot; \times 7.87&quot; \times 11.02&quot;$</td>
</tr>
<tr>
<td>Cable Length</td>
<td>10 ft. – 3.0 m</td>
<td>10 ft. – 3.0 m</td>
<td>10 ft. – 3.0 m</td>
</tr>
</tbody>
</table>

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- 110 Volt – Prod.-No. 25191.110
- 230 Volt – Prod.-No. 25192.110
- 110 Volt – Prod.-No. 25192
- 230 Volt – Prod.-No. 25192
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<th>Model</th>
<th>Type</th>
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<th>End Mill Ø</th>
<th>Max. Bevel Width</th>
<th>Bevel Angle</th>
<th>Motor Capacity</th>
<th>Stepless Speed Control</th>
<th>Collet Ø</th>
<th>Voltage</th>
<th>Weight</th>
<th>Dimensions (LxWxH)</th>
<th>Cable Length</th>
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<tbody>
<tr>
<td><strong>KFT 250</strong></td>
<td></td>
<td>25110</td>
<td>L = 250 mm/W = 40 mm&lt;br&gt;L = 10&quot;W = 1-1/4&quot;</td>
<td>Solid Carbide acc. to DIN, Ø 5/16&quot;&lt;br&gt;1/16&quot; - 9/32&quot; depending on material, with fine adjustment</td>
<td>3/64&quot; - 13/64&quot;, depending on material, with fine adjustment</td>
<td>45°</td>
<td>1050 Watt</td>
<td>8000 up to 25000 rpm</td>
<td>1-45/64&quot; – 43 mm</td>
<td>110 V, 50 – 60 Hz&lt;br&gt;or 230 V, 50 – 60 Hz</td>
<td>11 lbs./5.0 kg</td>
<td>10 ft. – 3.0 m</td>
<td>10 ft. – 3.0 m</td>
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<td><strong>KFT 500</strong></td>
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<td>25140</td>
<td>L = 500 mm/W = 70 mm&lt;br&gt;L = 20&quot;W = 2-3/4&quot;</td>
<td>Solid Carbide acc. to DIN, Ø 7/16&quot;&lt;br&gt;9/64&quot; - 5/32&quot;</td>
<td>9/64&quot; depending on material 19/32&quot; max.&lt;br&gt;45°: steel 0 – 9/32&quot;, alu 0 – 15/64&quot;&lt;br&gt;30°: steel 0 – 9/32&quot;, alu 0 – 9/32&quot;</td>
<td>45°&lt;br&gt;(optional 30°)&lt;br&gt;Radius R = 2.5</td>
<td>1800 Watt</td>
<td>2500 up to 23500 rpm</td>
<td>2-31/64&quot; – 63 mm</td>
<td>110 V, 50 – 60 Hz&lt;br&gt;or 230 V, 50 – 60 Hz</td>
<td>39 lbs./18 kg</td>
<td>10 ft. – 3.0 m</td>
<td>10 ft. – 3.0 m</td>
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<td><strong>KFK</strong></td>
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<td>25200</td>
<td>Indexable insert holder</td>
<td>Solid Carbide acc. to DIN, Ø 9/32&quot;&lt;br&gt;3/64&quot; - 9/32&quot; depending on material, with fine adjustment</td>
<td>3/64&quot; - 9/32&quot;</td>
<td>45°</td>
<td>1300 Watt</td>
<td>6000 up to 10.000 rpm with soft start&lt;br&gt;with thermal and overload protection</td>
<td>–</td>
<td>–&lt;br&gt;–&lt;br&gt;–</td>
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</tbody>
</table>

ALFRA Bevel Milling- and Deburring Devices – Overview
Made in Germany by ALFRA

Guide Handle

Fine Adjustment of Milling Depth/Bevel Width

High-performance motor with double bearing milling spindle

Clamping Lever for quick adjustment

Guidance Rails of high-tensile special steel

End Mills see page 70/71

ALFRA Deburring Devices

KFH 150

ALFRA – separates the tools from the toys
ALFRA Deburring Devices – KFH 150

Made in Germany by ALFRA

With the machine towards the workpiece, where a machined deburring is too time-consuming.

Manually operated device for the deburring (45°) of larger workpieces, profiles, girders, sheet metals, with 90° support.

- Manually operated, for 45° bevels.
- Optimal guiding and safe operation.
- For customary solid carbide end mills Ø 5/16” – 8 mm.

Cost reduction:
The bigger part of the End Mill’s cutting range can be used by moving the End Mill in the collet.

Full Wave Electronics

Technical Data:

Guide Rail 45°:
- L = 5-3/16” – 150 mm
- W = 13/16”/1-37/64” – 20/40 mm

End Mill:
- Solid Carbide End Mills acc. to DIN, Ø 5/16”
- Max. Bevel Width:
  - 3/32” – 3/16”, depending on material
- with fine adjustment
- High Performance Motor:
- Voltage: 110 Volt or 230 Volt
- Motor Capacity: 1050 W
- Continuously adjustable Speed: 8000 up to 25000 rpm
- Collar-Ø: 1-45/64” – 43 mm
- Weight: 7 lbs. – 3.5 kg

Contents include:

- ALFRA Deburring Device KFH 150
- 1 Set Guide Rails
- 1 Collet Ø 5/16” – 8 mm and Clamping Nut
- 1 Operation Manual

Accessories

Spare-Guide Rails
- Made of high-termite special steel
- W = 40/15 mm x L = 150 mm, 1 Set = 2 pieces

Special Accessories
- Guide Rails
- made of high-grade plastics
- W = 40/15 mm x L = 150 mm, 1 Set = 2 pieces

Prod.-No.
Deburring Device KFH 150, 110 Volt 25100.110
Deburring Device KFH 150, 230 Volt 25100
Deburring Device KFH 150 (without motor) 25109
Spare-Guide Rails 25101
Special Accessories 25102
ALFRA Deburring Devices

KFH 250

Ergonomic Guide Handles

Guidance Rails made of high-tensile special steel

30° – 45° – 30° swivelling

Fine Adjustment of Milling Depth/Bevel Width

Guidance wheels facilitate the feed

Clamping lever for quick adjustment

End Mills see page 70/71

ALFRA Deburring Devices
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ALFRA Deburring Devices – KFH 250
Made in Germany by ALFRA

Manually operated model, especially developed for the processing of bevels (visual bevels) and preparation of weld on large right-angled workpieces.

- An indispensable helper in engineering and steel construction.
- Wide speed range of various materials.
- Individual adjustment of milling depth.
- Easy handling and guiding through aluminium head.

Cost reduction:
The bigger part of the End Mill’s cutting range can be used by moving the End Mill in the collet.

Guide Rail:
- L = 10° – 250 mm
- W = 2–4 mm – 70 mm

End Mill-Ø:
- \( \frac{3}{4} \) – 12 mm DIN 6527

Max. Bevel Width:
- \( \frac{9}{16} \) – 14 mm (depending on material)

Edge angles:
- continuously traversable by 30° – 45° – 30°
- right and left. Also for radii r = 3.0, 4.0, 5.0 by means of Radius Solid Carbide End Mills

Capacity:
- 1800 W (The Quality Motor for difficult deburring tasks)

Continuously adjustable Speed:
- 6000 up to 24000 rpm

Full Wave Electronics – under load, the speed generator provides a power replenishment.

Collar-Ø:
- 2–3 1/64 – 63 mm

Voltage:
- 110 Volt or 230 Volt

Weight:
- 23 lbs./12.8 kg

Technical Data:

Contents include:
- ALFRA Deburring Device KFH 250, with milling depth fine adjustment
- 1 Set Guide Rails with 2 Support Rollers
- 1 Collet Ø \( \frac{3}{4} \) – 12 mm and Clamping Nut
- 1 Set Operating Tools
- 1 Operation Manual

Guide Rails and Support Rollers made of wear-resistant plastic upon request.

ALFRA – separates the tools from the toys
ALFRA Bevel Milling Machine

SKF 63-15
ALFRA Bevel Milling Machine – SKF 63-15
Made in Germany by ALFRA • For bevel width of max. 15 mm and with a continuously variable angle adjustment 15° - 20° - 30° - 45° - 60°

- The ALFRA Bevel Milling Machine was especially developed for the preparation of welds and for the beveling of metallic materials.
- Low weight, enabling the universal use on the work piece.
- Machine is designed for one-hand operation suitable for the milling of steel, chrome nickel steel, cast iron and non-ferrous heavy metals. The machine is set at the edge of the work piece and moveable with slight pressure (manual feed).
- The construction of the milling disk, under the use of commercially available carbide milling plates and a rotation speed of 2870 rpm, guarantees a steady bevel milling without vibration.
- The guide roller’s rails are made of hardened steel and guarantee convincing feed values.
- Easy and safe operation by electronic switch-off control in the event of overstressing and reclosure preventing device.
- OFF-button integrated in right handle (Illustration).
- Also suitable for the beveling of pipes from Ø 7" – 160 mm up to Ø 16" – 390 mm by means of a special accessory.
- Larger diameters up to Ø 40" - 60" - 80" / 1000 - 1500 - 2000 mm upon request.

Technical Data:

- Voltage: 110 Volt or 230 Volt
- Capacity: 1100 Watt
- Speed: 2870 rpm
- Bevel angle: 15° - 20° - 30° - 45° - 60° continuously adjustable
- Weight: 46.2 lbs. – 21 kg
- Dimension (L x W x H): 17 3/8" x 7 13/16" x 11" – 440 x 200 x 280 mm

Contents include:

- Bevel Milling Machine SKF 63-15
- 1 set of tools
- Operation manual
- Transport case

Special accessories:
- Pipe insert for the processing of external bezels on pipes from Ø 6.3" - 15.35" (160 - 390 mm)
- Larger diameters up to 2000 mm upon request.

Spare Parts:
- Spare milling head for St.37 Spun, 12008 cpl.
- Consisting of: 2 milling disks and 6 pcs. high speed indexable inserts each
- Carbide Milling plates, TiAlN/TiN-PVD multilayer coating
- Universal for steel and stainless steel, Clearance angle 11°
- Carbide Milling plates, TiAlN/TiN-PVD multilayer coating for steel < 850 N/mm²; stainless steel < 900 N/mm², Clearance angle 20°
- Carbide Milling plates, high gloss polished
- Carbide Milling plates, TiAlN/TiN-PVD multilayer coating for steel < 1400 N/mm²; stainless steel < 900 N/mm², Clearance angle 11°
- Carbide Milling plates, TiAlN/TiN-PVD multilayer coating for aluminum and NE-metals, Clearance angle 11°
- Carbide Milling plates, TiAlN/TiN-PVD multilayer coating for steel < 1400 N/mm²; stainless steel < 900 N/mm², Clearance angle 11°

Milling disk assembly device
For an easy assembly of the indexable inserts.
ALFRA Deburring Devices

KFT 250

- High-Performance motor with double bearing milling spindle
- Guidance Rails made of high-tensile special steel
- Chip Collector
- Rubber feet for smooth running and stability
- Fine Adjustment of Milling Depth/Bevel Width
- Clamping Lever for quick adjustment
- KFT 250

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ALFRA Deburring Devices – **KFT 250 (Stationary Model)**

Made in Germany by ALFRA

Simple and inexpensive Deburring Device for light to medium operation demands.

For the realisation of unique outer bevel surfaces with Solid Carbide End Mills DIN 6527 when hobbing, without secondary burr.

**Cost reduction:**

The bigger part of the End Mill’s cutting range can be used by moving the End Mill in the collet.

**Technical Data:**

**Deburring range:**
- Bevel angle 45°
- Material Thickenesses from $\frac{1}{16}$" – 4.5 mm
- Material Thickenesses from $\frac{1}{6}$" – 1 mm

**Prism Support**
- Position I: Material Thicknesses from 11/64” – 4.5 mm
- Position II: Material Thicknesses from 3/64” – 1 mm

**Prism Support:**
- L = 100 – 250 mm
- W = 1-7/32” – 40 mm
- $h_{r1}^0$ – 7 mm, depending on material.

**Guide Rails:**
- Width: W = 1-37/64” – 40 mm

**Max. Bevel Width:**
- 9/32” – 7 mm, depending on material.

**When using corresponding End Mills, speed and corresponding number of cutting passes, as well suitable for stainless steel (brush edges with cutting oil).**

**Weight:**
- 11 lbs. – 5.0 kg

**High Performance Motor:**
- 1.050 W with triple bearing

**Double supported milling spindle**
- Spindle bearing with high speed lubrication

**Wheel flange Norm-Ø:**
- 1-45/64” – 43 mm

**Continuously adjustable Speed:**
- 8000 - 25000 rpm

**Voltage:**
- 110 Volt or 230 Volt

**Full Wave Electronics – under load, the speed generator provides a power replenishment.**

**Contents include:**

- Deburring Device KFT 250, with fine adjustment of the milling depth
- 1 Set Guide Rails
- 1 Collet Ø 7/32" – 8 mm and Clamping Nut
- 1 Chip Collector
- 1 Set Operating Tools
- 1 Operation Manual

**Prod.-No.**

- Deburring Device KFT 250 Stationary Model: 110 Volt: 25110.110
- Deburring Device KFT 250 Stationary Model: 230 Volt: 25110
- Deburring Device KFT 250 Stationary Model (without motor): 25111

**Accessories:**

- ALFRA Foot Switch with female connector: 230 Volt: 25116
KFT 500

Guidance Rails made of high-tensile special steel

Fine Adjustment of Milling Depth/Bevel Width

Clamping Lever for quick adjustment

High-Performance motor with double bearing milling spindle

Chip Collector

Rubber Feet for smooth running and high stability
ALFRA Deburring Devices – KFT 500 (Stationary Model)
Made in Germany by ALFRA

For medium and larger workpieces. Max. bevel width 9/16”
For unique outer bevel surfaces using Solid Carbide End Mills DIN 6527 when hobbing, without secondary burr.

Cost reduction:
The bigger part of the End Mill’s cutting range can be used by moving the End Mill in the collet.

Position I:
Material thicknesses 6 - 14 mm

Position II:
Material thicknesses as from 1.5 mm

Technical Data:

Deburring range:
Bevel angle 45°
Prism Support Position I:
Material Thicknesses 9/16” - 14 mm - 6 - 14 mm
Guide Rail:
L = 19 9/16” - 500 mm
W = 2 3/4” - 70 mm
Max. Bevel Width:
9/16” - 14 mm, depending on material.
When using corresponding End Mills, speed and corresponding number of cutting passes, as well suitable for stainless steel (brush edges with cutting oil).
Also for radii R = 3.0, 4.0, 5.0 by means of Solid Carbide End Mill

High Performance Motor:
1.800 W with triple bearing
Double supported milling spindle
Spindle bearing with high speed lubrication
Wheel flange-Ø: 2-31/64” – 63 mm
Continuously adjustable Speed: 6000 up to 24000 rpm
Voltage: 110 Volt or 230 Volt
Full Wave Electronics – under load, the speed generator provides a power replenishment.
Weight: 39 lbs./18 kg

Contents include:
• Deburring Device KFT 500, with fine adjustment of the milling depth
• 1 Set Guide Rails
• 1 Collet 9/16” – 12 mm Ø and Clamping Nut DIN 6499
• 1 Chip Collector
• 1 Set Operating Tools
• 1 Operation Manual

Prod.-No.
Deburring Device KFT 500 Stationary Model 110 Volt 25140.110
Deburring Device KFT 500 Stationary Model 230 Volt 25140
Deburring Device KFT 500 Stationary Model (without motor) 25141
ALFRA Foot Switch with female connector 230 Volt 25116
for running time reduction and motor sparing operation.
Function: Foot Switch pressed: Connector energized.
Foot Switch released: Connector cut off.

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ALFRA Deburring Devices

KFK

Ergonomic handle with ON/OFF-switch

High Performance motor with soft start

With thermal and overload protection

Adjustment of bevel width

ALFRA – separates the tools from the toys
ALFRA Deburring Devices – KFK
Made in Germany by ALFRA

For the deburring of outer and inner outlines, smallest bore hole diameter 25/32” – 20 mm.

Especially developed to produce clean visible edges and to prepare welds.

- Tool-less adjustment of bevel height.
- Handy and powerful.
- For construction steels, stainless steels, aluminium and other material.
- Triple cutting insert holder.
- Bevel Angle 45° (30° optionally)
- Radii R = 2.5

Technical Data:

- Bevel Angle: 45° (optional 30°)
- Bevel Width 45°:
  - Steel 0 - 3/16” – 0 - 5 mm 400 N/mm² continuously
  - Alu 0 - 5/32” – 0 - 4 mm 250 N/mm² continuously
- Bevel Width 30°:
  - Steel 0 - 5/32” – 0 - 4 mm 400 N/mm² continuously
  - Alu 0 - 15/64” – 0 - 6 mm 250 N/mm² continuously
- Voltage: 110 V or 230 Volt
- Capacity: 1300 W
- Continuously adjustable Speed: 6000 up to 10,000 rpm with soft start
- Feed: manually
- Weight: 9.2 lbs. – 4.2 kg

Contents include:

- KFK Deburring and Bevelling Device
- 1 pc. Milling Tool 45° with indexable inserts
- 1 Tool Set
- Transport Case
- Operation Manual

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<th>Prod.-No.</th>
<th>Product Description</th>
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<td>25200:230</td>
<td>Deburring Device KFK – with 45° Spare-Insert Holder 230 Volt</td>
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<td>Deburring Device KFK – with 30° Spare-Insert Holder 110 Volt</td>
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<td>25201:230</td>
<td>Deburring Device KFK – with 30° Spare-Insert Holder 230 Volt</td>
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Accessories:

- 45° Spare-Insert Holder/Radius 2.5 mm (without indexable inserts)
- 30° Spare-Insert Holder (without indexable inserts)
- Guiding Stop for straight outer edges, adjustable

Tools:

- Indexable inserts ISO TOHX/TOHT 13,47 x 3 coated
- Radius-Inserts 2.5 mm
ALFRA-Solid Carbide Deburring End Mill

These Solid Carbide End Mills were especially developed for perfect deburring tasks. The chips will be moved off the motor spindle in the chip collector or in the chip channels.

- **Solid Carbide** End Mill similar to DIN 6527
- Precision type shank Ø 5/16” – 8 mm
- Total length 2-3/8” – 60 mm

**Prod.-No.**

<table>
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<tr>
<th>Carbide End Mills Ø 5/16” – 8 mm, 4 cutting edges, suitable for wide bevels (up to 13/64” – 7 mm) in soft materials i.e. aluminium-brass-plastics-wood. Universal use in steel, stainless steel up to a bevel width of 13/64” – 5 mm coated</th>
<th>25150</th>
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<tr>
<td>Carbide End Mills Ø 5/16” – 8 mm, 5 cutting edges, suitable for wide bevels (up to 13/64” – 5 mm). Universal use in steel, stainless steel, non-ferrous metals, plastics coated</td>
<td>25151</td>
</tr>
<tr>
<td>Carbide End Mills Ø 5/16” – 8 mm, 8 cutting edges, for non-ferrous metals (copper, brass, bronze) as well as short-chipping aluminium alloys. coated</td>
<td>25152</td>
</tr>
<tr>
<td>Carbide End Mills Ø 5/16” – 8 mm, 14 cutting edges, for steel, cast iron and and small bevels in short-chipping non-ferrous metals, as well as for hardened materials coated</td>
<td>25153</td>
</tr>
<tr>
<td>Carbide End Mills Ø 5/16” – 8 mm, 4 cutting edges, rough toothing, fine knurl. Universal End Mill, for steel, stainless steel when reducing speed, also for smaller bevel mills coated</td>
<td>25154</td>
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</tbody>
</table>

**Radius Mills R 1.5 – 2.0 – 2.5 for KFH 150 and KFT 250** on request

**End Mills for special tasks on request.**

**Prod.-No.**

| End Mill-Set in plastic packing Content: 5 Carbide End Mills Prod.-No. 25150, 25151, 25152, 25153, 25154 Ideal for initial equipment. | 25159 |

Made in the USA
Solid Carbide End Mill Precision Type
- Shank Ø 15/32" – 12 mm
- Total length 3–5/32" – 80 mm

Carbide End Mill Ø 15/32" – 12 mm, 3 cutting edges, for long-chipping materials aluminium/copper/plastics
Bevel Width up to 9/64" – 14 mm
Prod.-No. 25160

Carbide End Mill Ø 15/32" – 12 mm, 4 cutting edges, for steel/cast iron/stainless steels
Bevel Width up to 5/64" – 8 mm
Prod.-No. 25161

Carbide End Mill Ø 15/32" – 12 mm, 6 cutting edges, Universal End Mill for steel/cast iron/stainless steels
Bevel Width up to 9/64" – 7 mm
Prod.-No. 25162

Carbide End Mill Ø 15/32" – 12 mm, 4 cutting edges, rough toothing for steel / cast iron / stainless steels.
For the preparation of weld.
Bevel Width up to 9/64" – 14 mm (with increasing milling depth)
Prod.-No. 25163

Carbide End Mill Ø 15/32" – 12 mm, 12 cutting edges, for hardened materials, steel/cast iron/stainless steel
Bevel Width up to 3/64" – 6 mm
Prod.-No. 25164

Solid Carbide Radius End Mill
- For the chamfering of workpiece edges
- Versatile use. When processing hard materials, radii should be bevelled in separate work steps with increasing milling depth.
- The middle adjustment of the radius outline towards the edge of the workpiece is effected by the axial adjustment of the motor in the clamping eye.

Solid Carbide Radius End Mill*, 5 cutting edges, right-hand twist, L = 89 mm
Prod.-No. 25165
R 3.0
Prod.-No. 25166
R 4.0
Prod.-No. 25167
R 5.0
*Delivery time upon request.

Solid Carbide End Mills and Radius End Mills 1.5 – 2.0 – 2.5 upon request.

Carbide End Mill Set in plastic packing
Content: 5 End Mills
Prod.-No. 25160, 25161, 25162, 25163, 25164
Ideal as initial equipment.

ALFRA – separates the tools from the toys
ALFRA – Carbide Deburring End Mill for KFH 250 – KFT 500
Made in USA

[Image -1x664 to 612x793]
[Image -0x8 to 612x110]