

# FEIN Repair Tools

## Fillet weld sander KS 10 - 38 E



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## KS 10 - 38 E

The fillet weld sander KS 10 - 38 E consists of the drive device angle polisher WPO 10 and specific fillet weld sander head.

If you have any questions about repairing the drive device, service intervals or maintenance, please refer to the repair instructions for angle grinder WPO 10.

The safety instructions applicable to the angle polisher WPO 10 apply to the entire fillet weld sander.

Lists of spare parts and drawings can be found at:

**[www.fein.de/FEIN Service/Start ETK](http://www.fein.de/FEIN_Service/Start_ETK)**



## Maintenance and customer service

When working metal under extreme operating conditions, it is possible for conductive dust to settle in the interior of the power tool.

The total insulation of the power tool can be impaired.

Blow out the interior of the power tool via the ventilation slots frequently with dry and oil-free compressed air, and connect a residual current device (RCD) on the line side.

If the supply cord of this power tool is damaged, it must be replaced by a specially prepared cord available through the FEIN customer service centre.

### **If required, you can change the following parts yourself:**

- Application tools
- auxiliary handle
- clamping flanges
- spark guard



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9. Assembling the fillet weld sander head
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## 1. Technical data

### Type

**KS 10 - 38 E**

Item number

7 221 67

Power consumption

800 W

Power output

550 W

Type of current

1 ~

Speed

1,350 – 3,750 rpm

Weight according to EPTA

3.2 kg

Protection class

II /

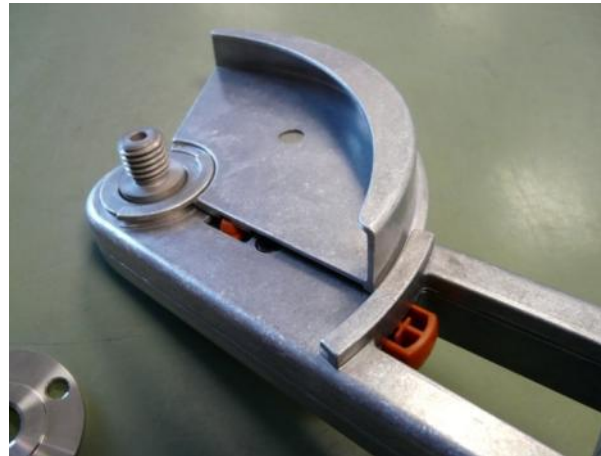
Diameter of polishing tool

150mm / M 14

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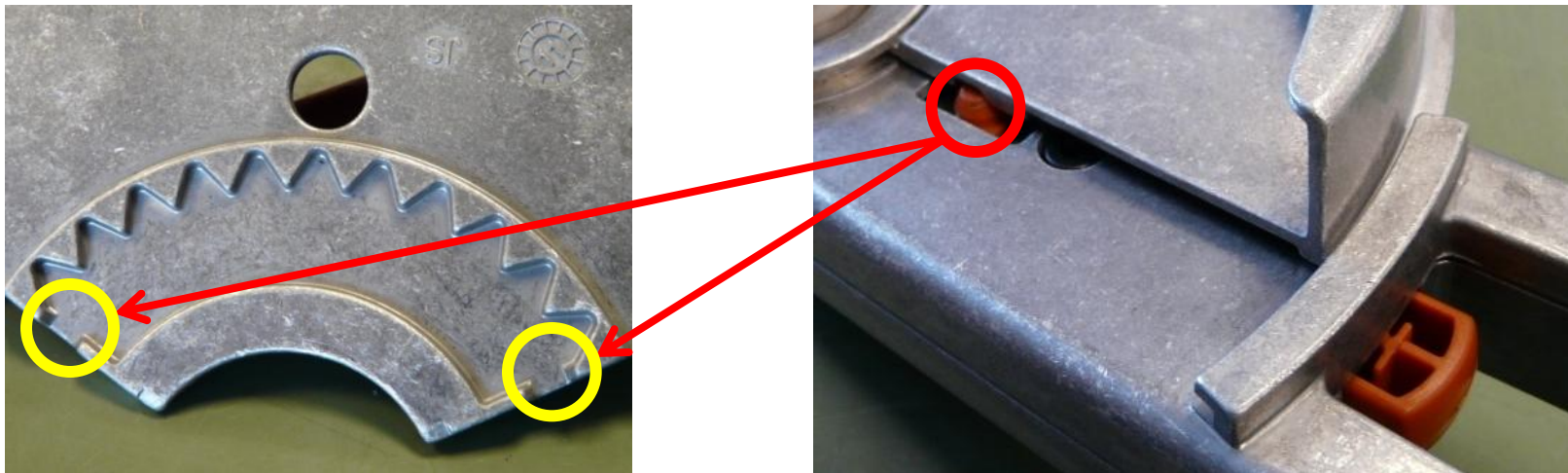
## 2. Dismantling the fillet weld sander head



1. Remove clamping nut and flange, as well as polishing tool if necessary
2. Remove spark hood – to do this, press orange pushbutton into halfway position – see marking rib on bottom of pushbutton
3. Then, with pushbutton in this position, swivel out spark hood



## 2. Information

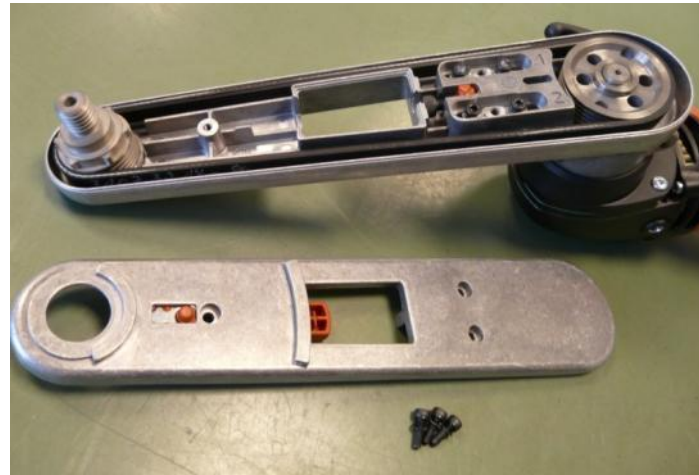
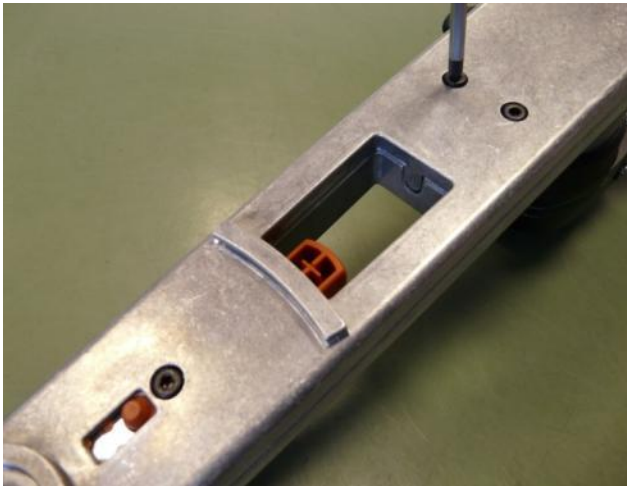


To dismantle the spark hood, when the pushbutton is pressed into the middle position, the pushbutton pin is level with the openings on the bottom of the spark hood. The spark hood can therefore be dismantled on both sides (red circle and arrow – left or right opening).





## 2. Dismantling the fillet weld sander head



1. Loosen screws on bottom part of housing
2. Remove bottom part of housing

**Tool:**  
- Socket head wrench, 3 mm



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## 2. Dismantling the fillet weld sander head



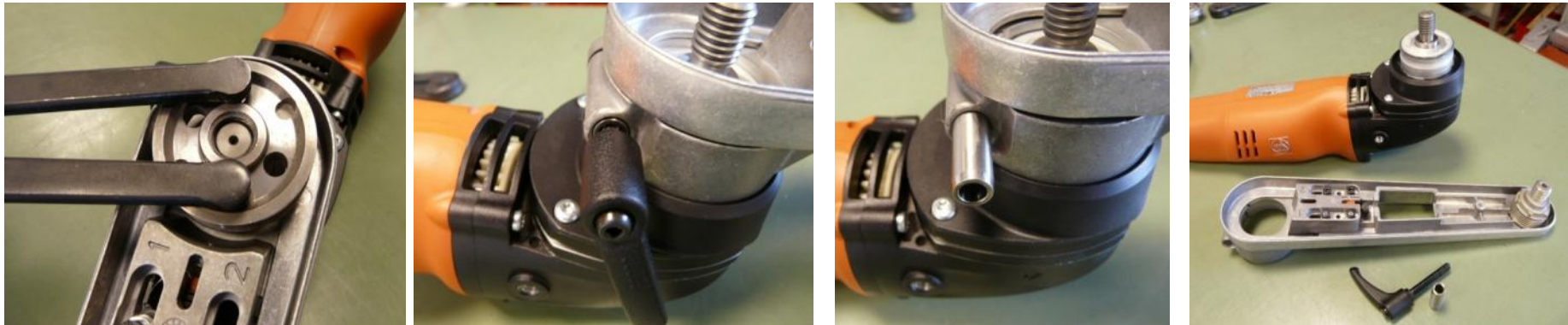
3. Remove pushbutton and pressure spring
4. Loosen both screws in fastening row no. 2
5. Loosen belt using clamping screw on clamping sleeve that rotates clockwise
6. Remove V-belt

### Tools:

- Socket head wrench, 3 mm
- Stepped socket head wrench, 5 mm



## 2. Dismantling the fillet weld sander head



7. Press stop button for spindle lock on gearbox housing, loosen belt pulley with pin-type face spanner and unscrew completely
8. Remove clamping lever
9. Pull spacer sleeve out of housing carrier
10. Completely remove top part of housing  
**Top part of housing can only be removed when spacer sleeve has been pulled out**

### Tools:

- Pin-type face spanner
- Long-nosed pliers



## 3. Dismantling the drive shaft assembly



### 1. Loosen fixing screw on drive shaft assembly

- Remove drive shaft assembly
- Dismantle circlip
- Press out both bearings – fixing screw and washers are pressed out with the bearings

#### Tools:

- Socket head wrench, 3 mm
- Internal circlip pliers
- Arbor press
- Punch



## 4. Dismantling the top part of the housing



1. Loosen and remove screws in fastening row no. 1 and no. 2
  - Swivel housing carrier out of top part of housing
  - Remove clamping sleeve assembly from housing carrier

Tool:  
- Socket head wrench, 3 mm

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## 5. Assembling the drive shaft



1. Insert fixing screw with washer and circlip into drive shaft
2. Press in both ball bearings. (With suitable press sleeve)
3. Insert circlip

Tool:

- Arbor press
- Internal circlip pliers





## 6. Assembling the top part of the housing



1. Insert clamping sleeve assembly into housing carrier. To do this, screw clamping screw into clamping sleeve (until 3 mm remains)
2. Insert housing carrier into top part of housing
3. Insert and tighten screws with washers into fastening row no. 1
4. Insert screws with washers into fastening row no. 2, **do not tighten**. Only tighten these screws after tensioning the V-belt, see chapter 7. Otherwise the belt cannot be tensioned

**Housing carrier must be slid into the top part of the housing**

Tool:  
- Socket head wrench, 3 mm



## 6. Assembling the top part of the housing



5. Insert drive shaft assembly into top part of housing and screw down
6. Apply coat of Molykote D to outer diameter of outer bearing on basic tool
7. Place pre-assembled top part of housing on to basic tool
8. Insert spacer sleeve
9. Screw in and tighten clamping lever

Tool:  
- Socket head wrench, 3 mm



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## 6. Assembling the top part of the housing



9. Screw belt pulley on to spindle and tighten with pin-type face spanner
10. Attach V-belt. Ensure correct position, ribs to grooves
11. Clamp V-belt using clamping screw that rotates anti-clockwise

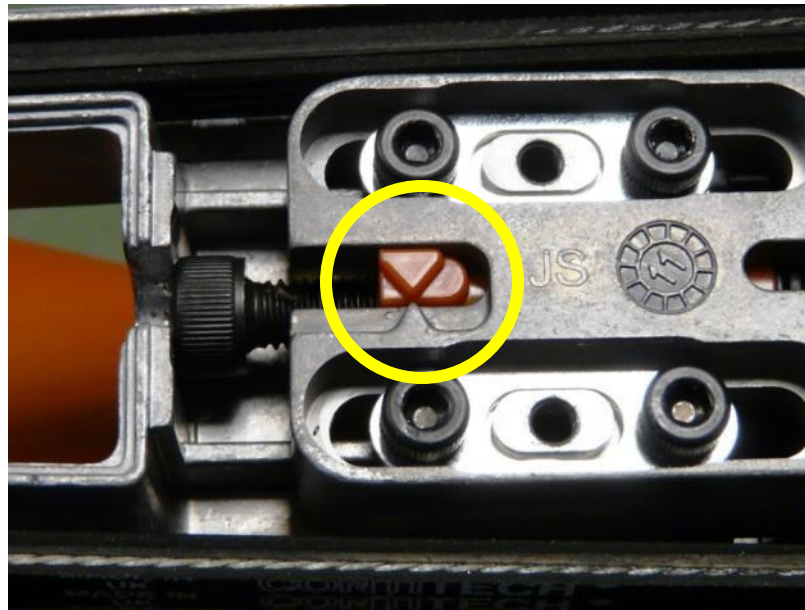
Tool:

- Stepped socket head wrench, 5 mm
- Pin-type face spanner

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## 7. Setting the belt tension



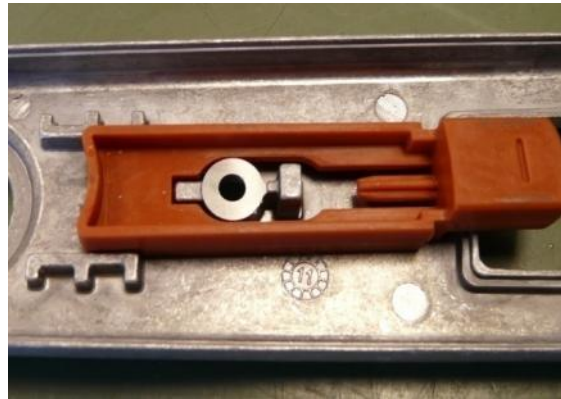
The correct belt tension is set using the clamping screw on the clamping sleeve assembly. It is achieved when the two marks are directly opposite one another. (Yellow circle)

Tool:

- Stepped socket head wrench, 5 mm



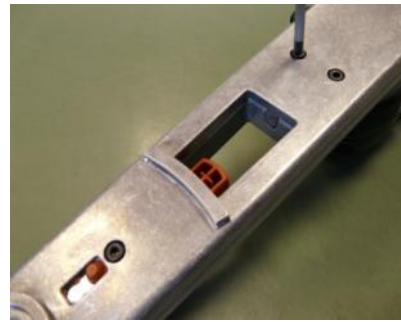
## 8. Assembling the bottom part of the housing



1. Insert pushbutton with attached pressure spring into housing



## 9. Assembling the fillet weld sander head



1. Attach pre-assembled bottom part of housing and secure with screws
2. Press pushbutton as far as mark and swivel in spark hood, see chapter 2.  
Information
3. Assemble flange and clamping nut

Tool:  
- Socket head wrench, 3 mm



## 10. Tools

Internal circlip pliers	Retail
Punch	Retail
Socket head wrench, 3 mm / 5 mm	Retail
Arbor press	Retail
Long-nosed pliers	Retail
Pin-type face spanner	Retail
Molykote D paste	Retail

**No special tools are required to repair the fillet weld sander head!**