

SKF supplies a wide range of pullers for mechanical dismantling of bearings. In some cases they can be used to pull couplings, gear wheels, and other machinery components.

### Puller selection

There are three ground rules when selecting a puller:

1. Inspect the application to determine the type of puller required. Select the appropriate puller type for the said application. The types of pullers are:
  - A. External pullers. Puller that reach behind the component from the outside.
  - B. Internal pullers. Puller that reach through the bore of a component and grip it from the inside.
  - C. Blind housing pullers. Pullers that are attached to the bearing between the two bearing rings.
2. Make sure the puller opens sufficiently to grip the component and that there is enough space around the component to attach the puller.
3. Select a puller that can generate a higher maximum force than is required by the application. The required pulling force depends on the mating surface area, the interference fit, the way of attaching the puller and other influences such as fretting corrosion.

### Safety recommendations

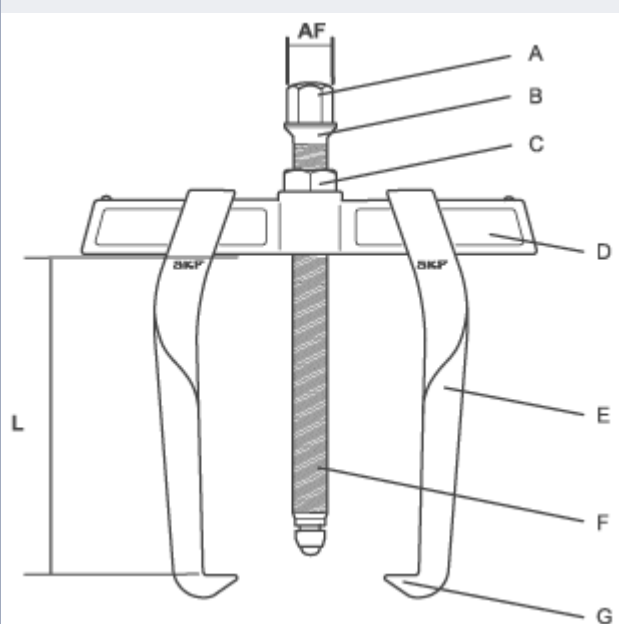
As high pressures/forces constitute a potential safety risk, the following instructions must be considered:

- The equipment should only be operated by trained personnel
- Always follow the operating instructions
- Check the puller and all accessories carefully before use. Never use even slightly damaged components
- Make sure the force rating of the puller (F) exceeds calculated maximum withdrawal force
- Do not exceed the maximum torque (T) when applying force on a mechanical spindle
- Always prevent the workpiece/tool from being projected upon sudden release of pressure (e.g. by use of retaining nut)
- Ensure that the puller legs are properly secured around the workpiece. Each claw must be fully engaged



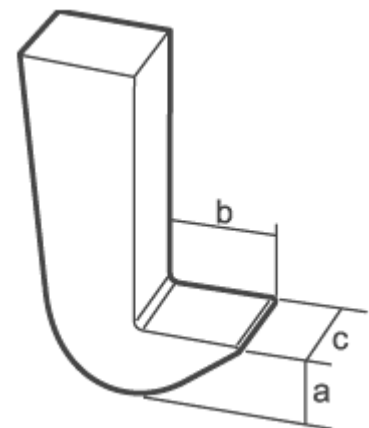
- Ensure that the separators are properly secured behind the workpiece
- Make sure the force is equally distributed in all arms
- Never use the equipment above the stated maximum force
- Use protective goggles
- Cover the work with a protective blanket or shield while force being applied
- Never modify the unit
- Use original parts only
- In case of any uncertainties as regards the use of the puller, contact SKF

### Definition of parts and dimensions



- A Spindle hexagon head
- B Spindle protruding neck
- C Beam hexagon head
- D Beam
- E Arm
- F Spindle
- G Claw
- L Effective arm length

### Definition of claw dimensions

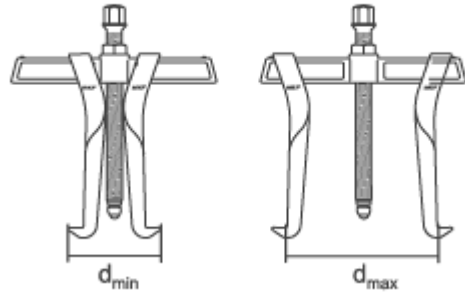
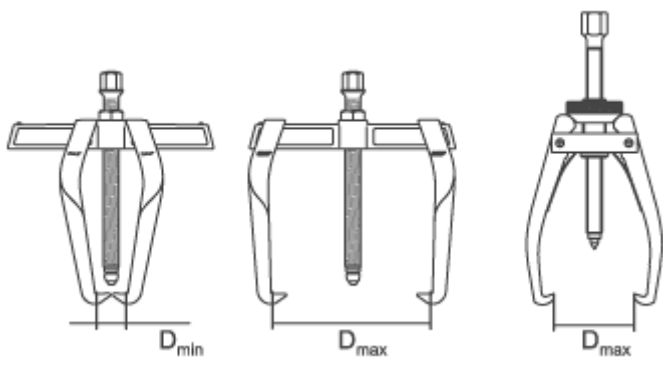


- a - claw height
- b - claw length
- c - claw width

### Definition of width of grip

External pullers

Internal pullers



Width of grip

Detachable arms  
(only TMMR F)

Fixed arms

