

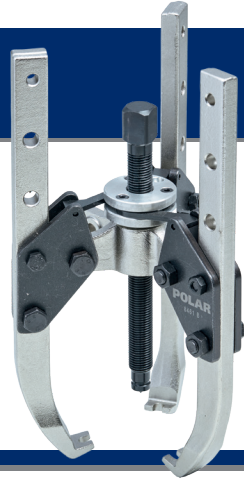
## OPERATING INSTRUCTIONS

### PRODUCT TYPE

2- & 3-ARM COMBI PULLER – LONG

### MODELS

8461-SERIES

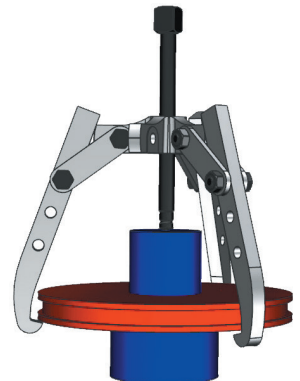
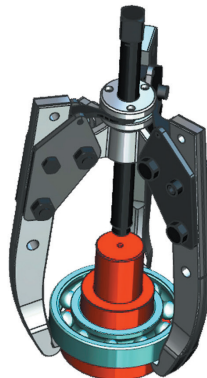


1. Make sure that the spindle is perfectly cleaned and greased.
2. Check that the shaft is punched. Otherwise use a point protector.
3. See that arms are evenly spread.
4. Put the force extraction by turning the spindle. Do not hit the spindle.
5. Do not maintain the spindle out of the body too much time.
6. Wear all necessary safety equipments. Do not use powertools.
7. All jaws move at the same time.

Following advantages are presented thanks to the self-centering mechanism, improving the extraction:

A: The puller will always be perfectly centered.

B: The self-centering puller limits the maximum spread avoiding the puller to be assembled oversized and consequently avoiding the releasing risk of the piece.



*Risk!*

### ADEQUATE LEGS POSITION

It is convenient to place the jaws on the lowest possible hole. In this way, the legs will deform less while applying big strengths (figure 1).

Once bigger height is needed, the spindle will arise more over the body (figure 2). In cases of longer shafts and if the spindle shows up substantially (figure 3) it will be normal to twist the spindle while applying force with a wrench.

So in consequence and when the spindle height over the body is high, it is better to change the position of the legs (figure 4).

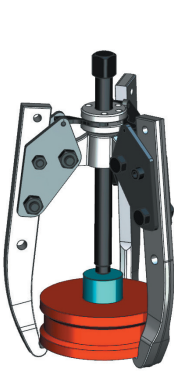


Figure 1

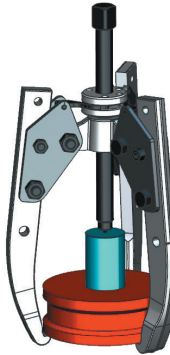


Figure 2

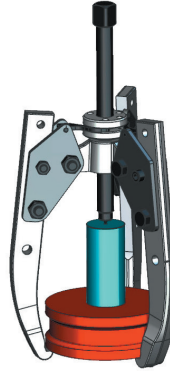


Figure 3

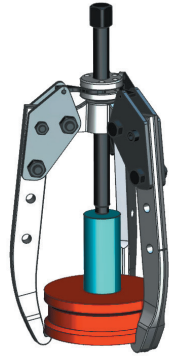


Figure 4



*Note:*

If the shaft doesn't have a centre hole, use a point protector in order to prevent possible damage for the shaft and the puller.