

## 4.60 Boschert-Chuck P40



**P40 STO**

**Boschert** pneumatic chuck, foot mounted without shaft

**P40 STW**

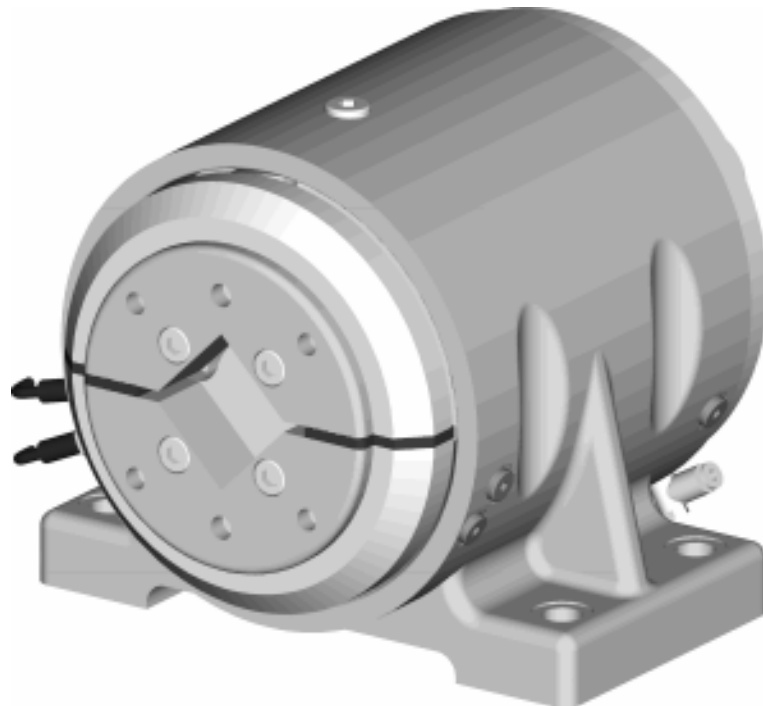
**Boschert** pneumatic chuck, foot mounted with shaft

**P40 FLO**

**Boschert** pneumatic chuck, flange mounted without shaft

**P40 FLW**

**Boschert** pneumatic chuck, flange mounted with shaft



Beam weight max.:  max. 1600 kg  (max. 3530 lbs)  
 Square bar:  40 mm (1.5748")  
 Torque:  350 Nm (250 ft/lb)

Max. beamweight and torque just for square bar 50 mm if you're working with VT2-inserts. Beamweight and torque are lower when working with a square bar smaller than 50 mm.

### Checkbox !

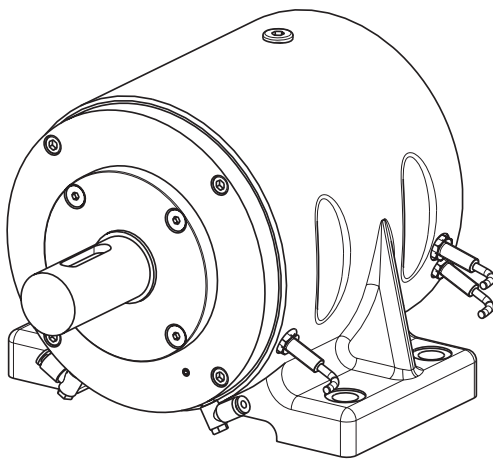
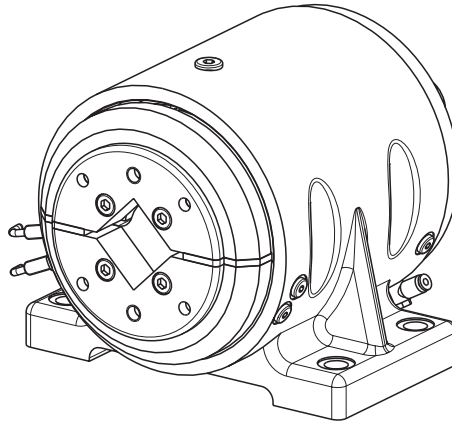
Options				Info
VT-insert:	<input type="checkbox"/> VT2	<input type="checkbox"/> VT7		
Hardness:	<input type="checkbox"/> 52 HRC	<input type="checkbox"/> 58 HRC	<input type="checkbox"/> special HRC	4.63
Model:	<input type="checkbox"/> pillow block	<input type="checkbox"/> flange chuck		
Journal shaft end:	<input type="checkbox"/> without	<input type="checkbox"/> standard shaft	<input type="checkbox"/> special	4.63
Add. parts:	<input type="checkbox"/> without	<input type="checkbox"/> clutch	<input type="checkbox"/> drive	
	<input type="checkbox"/> brake			6.00
Speed:	<input type="checkbox"/> <50 rpm	<input type="checkbox"/> 50 – 1000 rpm	<input type="checkbox"/> >1000 rpm	

Inquiry- and order form see chapter 9.00

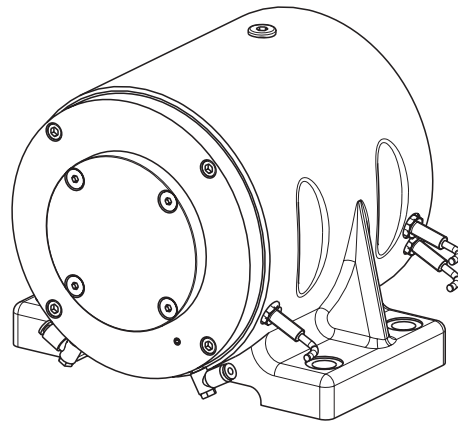
# Boschert-Chuck foot mounted chuck P40



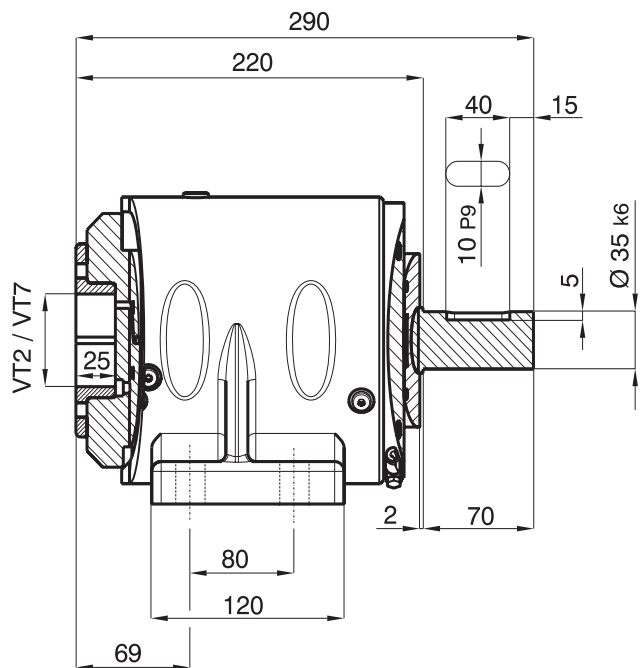
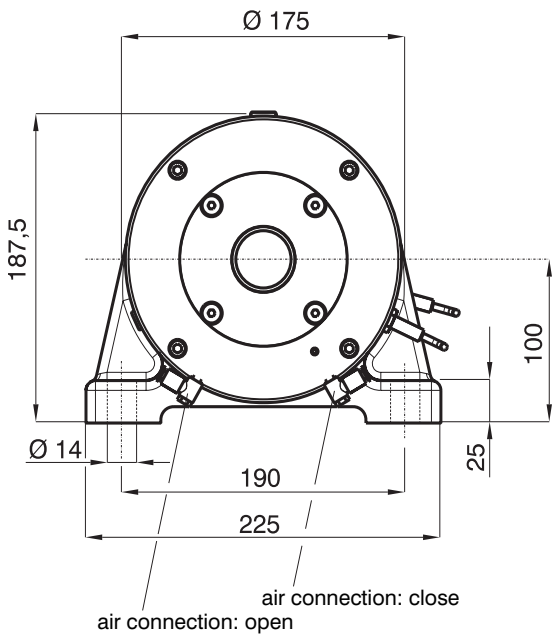
Boschert-Chuck P40



STW P40  
chuck with shaft end



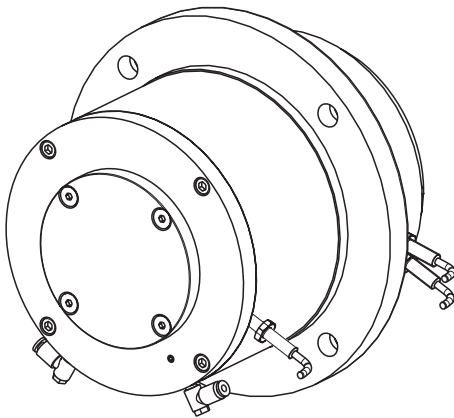
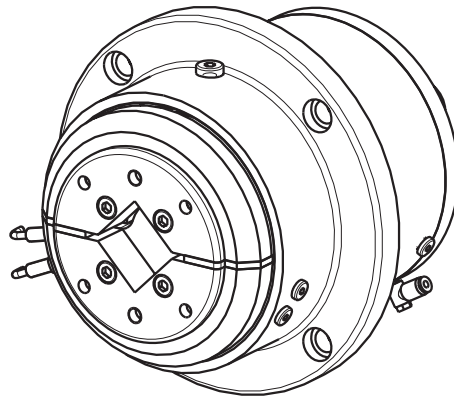
STO P40  
chuck without shaft end



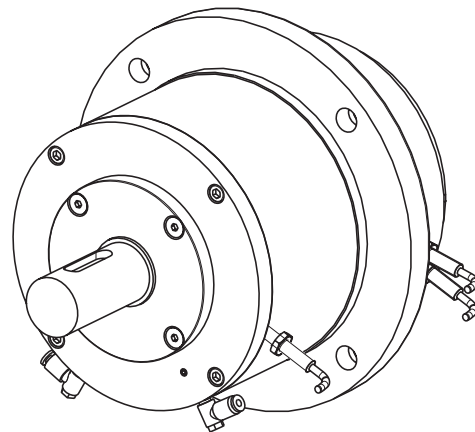
# Boschert-Lager flange mounted chuck P40



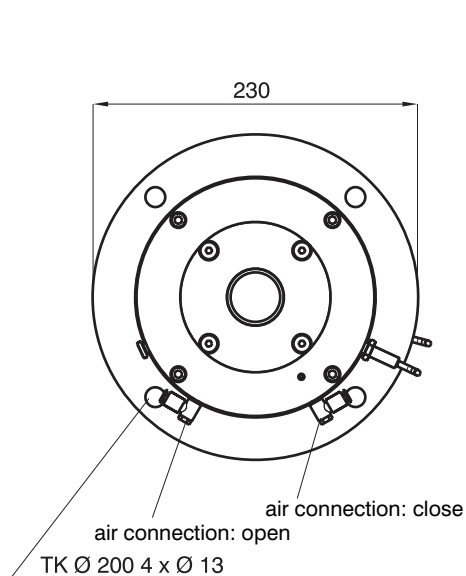
## Boschert-Chuck P40



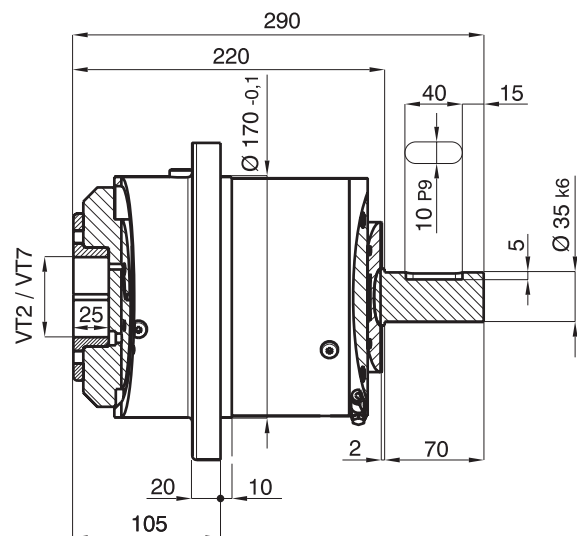
**FLO P40**  
chuck without shaft end



**FLW P40**  
chuck with shaft end



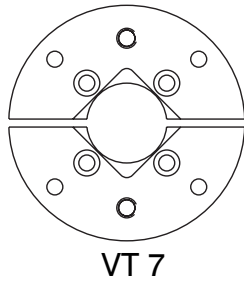
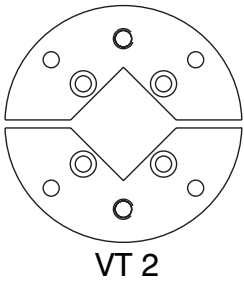
TK = bolt hole circle



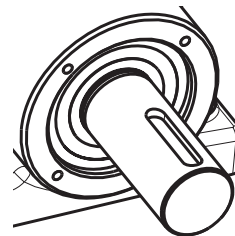
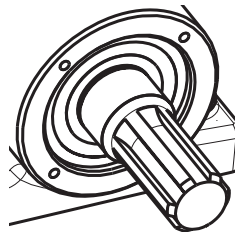
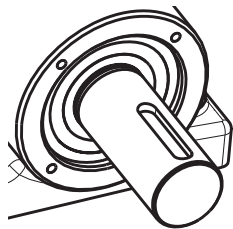
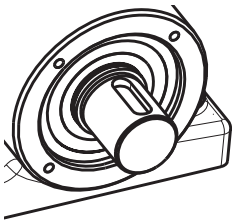
# Boschert-Chuck Options P40



## VT-insert



## Shaft ends



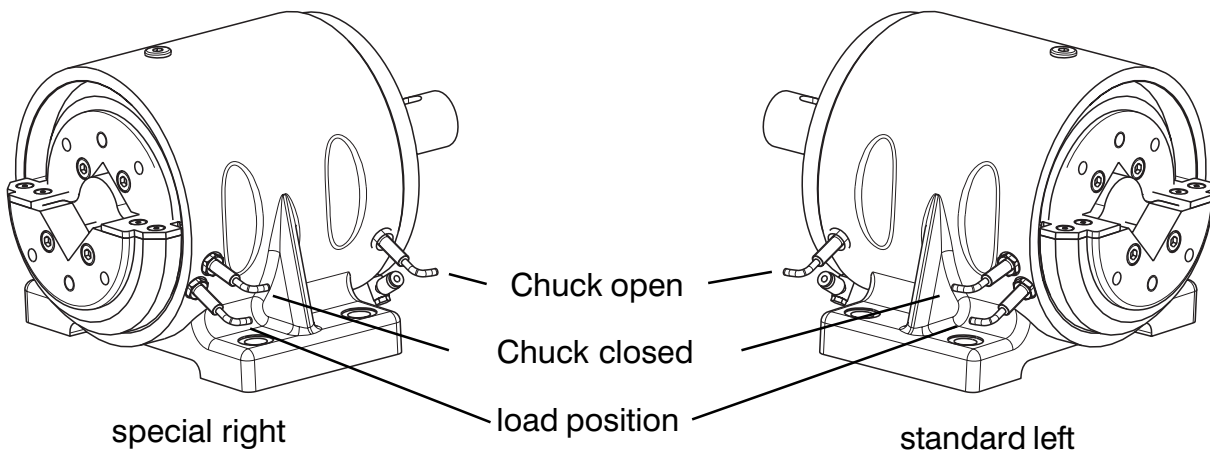
Above shaft ends are only available together with Boschert-components.

Info  
5.50

Special shaft end on customer request

Max. shaft-dia.: Ø 40 mm  
(Special shaft without stop)

## Proximity sensor



## 4.70 Boschert-Chuck P50



**P50 STO**

**Boschert** pneumatic chuck, foot mounted without shaft

**P50 STW**

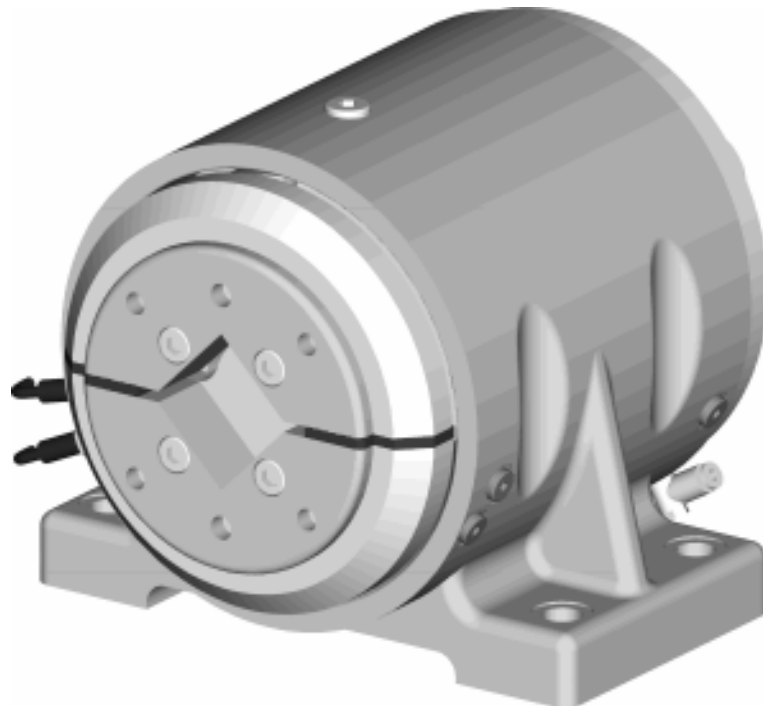
**Boschert** pneumatic chuck, foot mounted with shaft

**P50 FLO**

**Boschert** pneumatic chuck, flange mounted without shaft

**P50 FLW**

**Boschert** pneumatic chuck, flange mounted with shaft



Beam weight max.:  max. 2800 kg  (max. 6170 lbs)  
 Square bar:  50 mm (1.9685")  
 Torque:  1100 Nm (800 ft/lb)

Max. beamweight and torque just for square bar 50 mm if you're working with VT2-inserts. Beamweight and torque are lower when working with a square bar smaller than 50 mm.

### Checkbox !

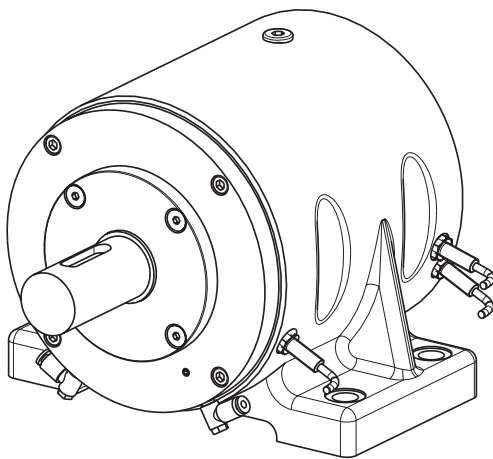
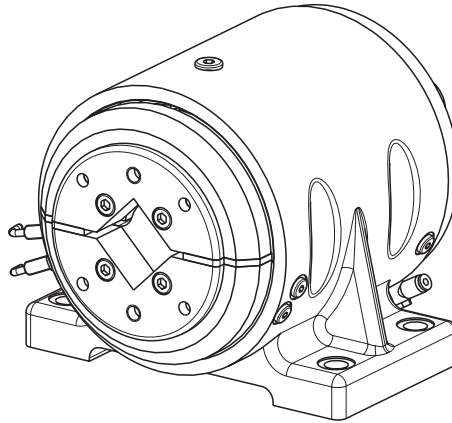
Options				Info
<b>VT-insert:</b>	<input type="checkbox"/> VT2	<input type="checkbox"/> VT7		
<b>Hardness:</b>	<input type="checkbox"/> 52 HRC	<input type="checkbox"/> 58 HRC	<input type="checkbox"/> special HRC	4.73
<b>Model:</b>	<input type="checkbox"/> pillow block	<input type="checkbox"/> flange chuck		
<b>Journal shaft end:</b>	<input type="checkbox"/> without	<input type="checkbox"/> standard shaft	<input type="checkbox"/> special	4.73
<b>Add. parts:</b>	<input type="checkbox"/> without	<input type="checkbox"/> clutch	<input type="checkbox"/> drive	
	<input type="checkbox"/> brake			6.00
<b>Speed:</b>	<input type="checkbox"/> <50 rpm	<input type="checkbox"/> 50 – 1000 rpm	<input type="checkbox"/> >1000 rpm	

Inquiry- and order form see chapter 9.00

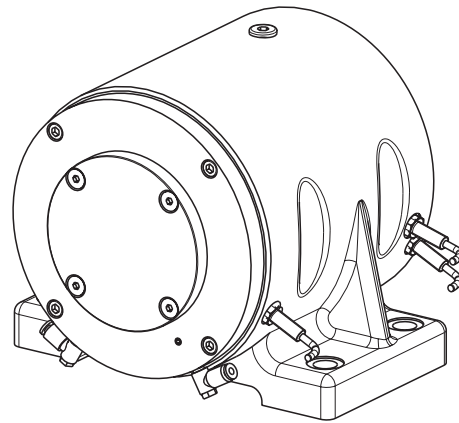
# Boschert-Chuck foot mounted chuck P50



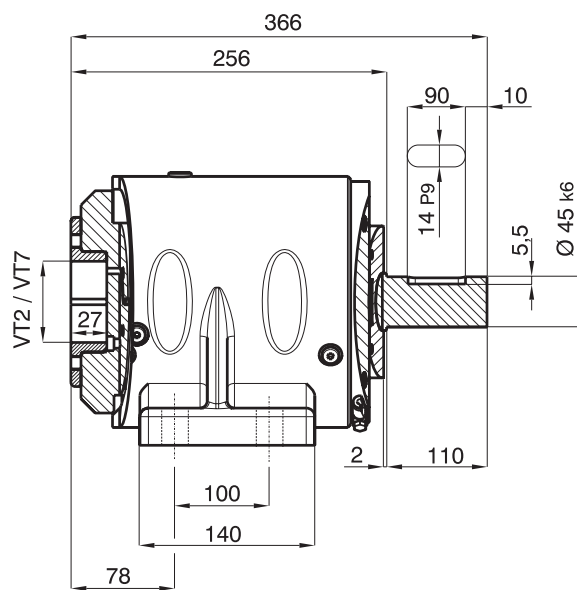
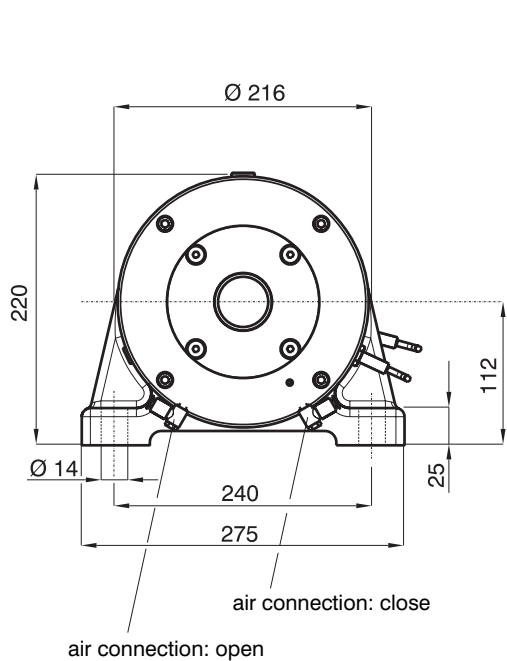
Boschert-Chuck P50



STW P50  
chuck with shaft end



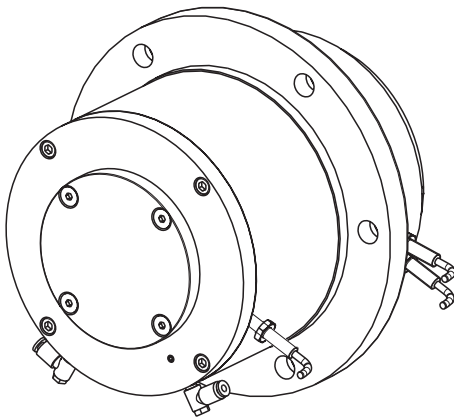
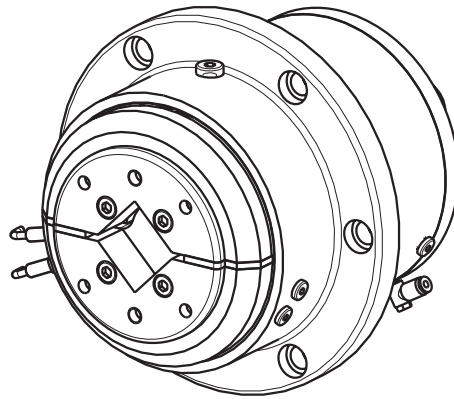
STO P50  
chuck without shaft end



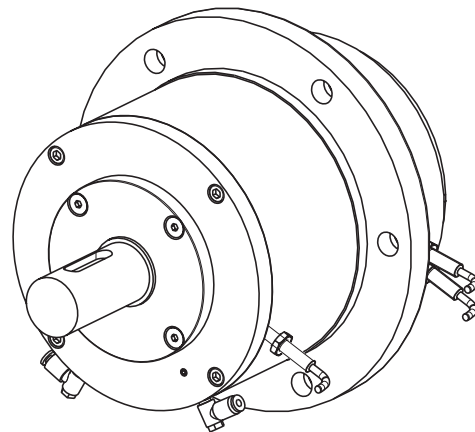
# Boschert-Chuck flange mounted chuck P50



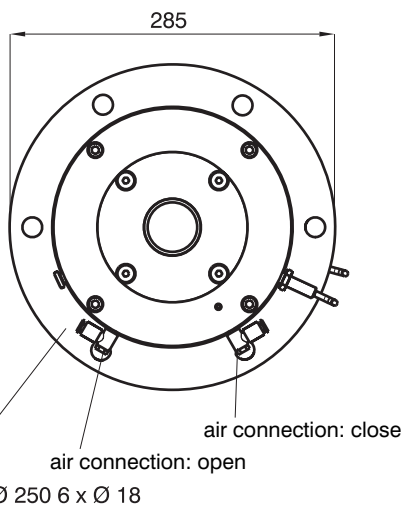
Boschert-Chuck P50



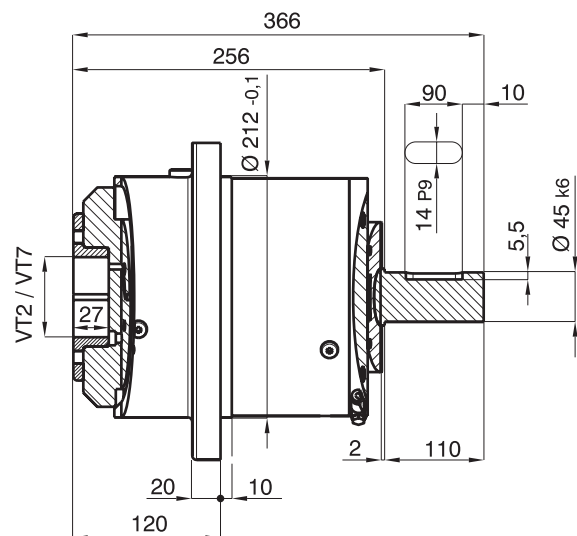
FLO P50  
chuck without shaft end



FLW P50  
chuck with shaft end



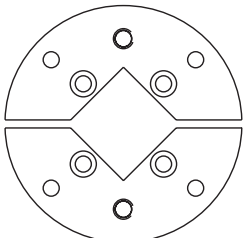
TK = bolt hole circle



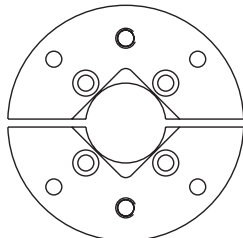
# Boschert-Chuck Options P50



## VT-insert

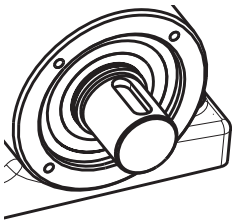


VT 2



VT 7

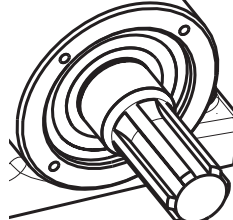
## Shaft ends



ESB



ESB i



DSB



RU

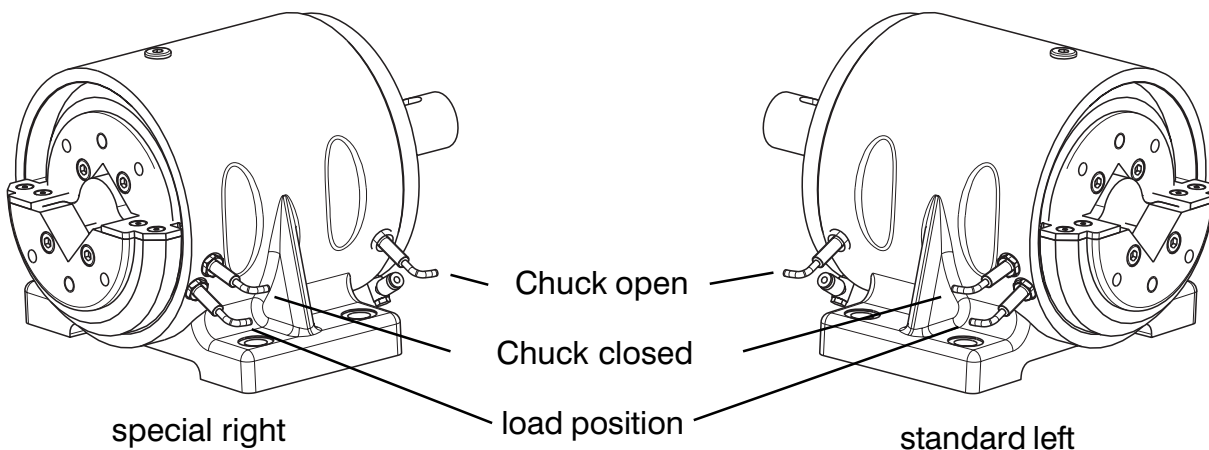
Above shaft ends are only available together with Boschert-components.

Info  
5.50

Special shaft ends on customer request

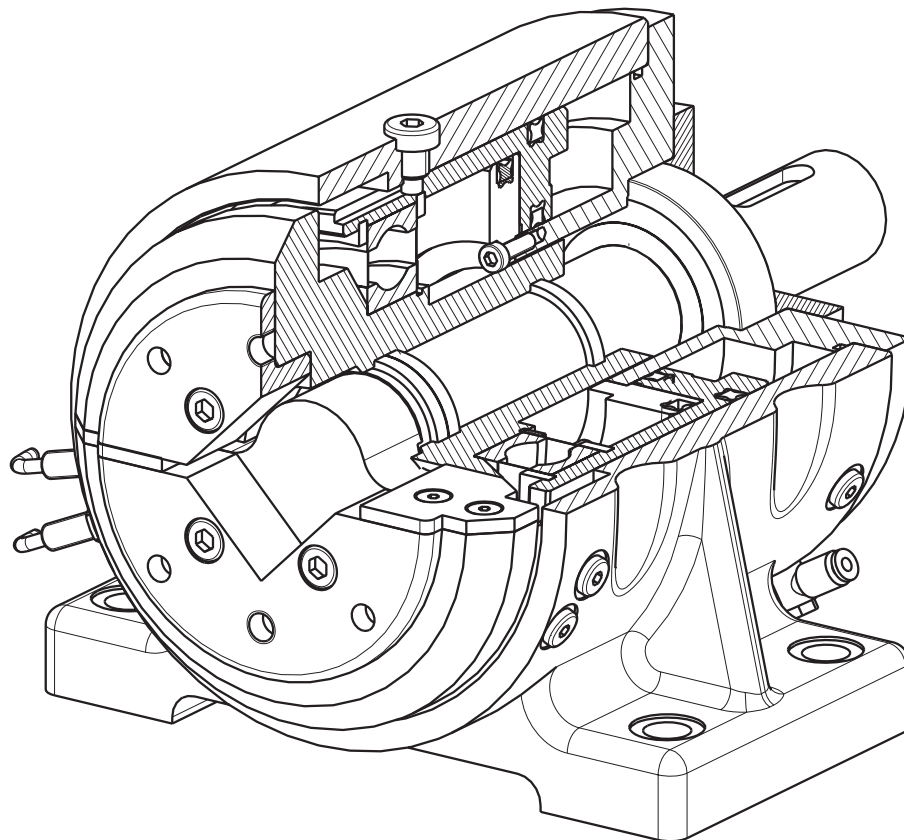
Max. shaft-dia.: Ø 50 mm  
(Special shaft without stop)

## Proximity sensor

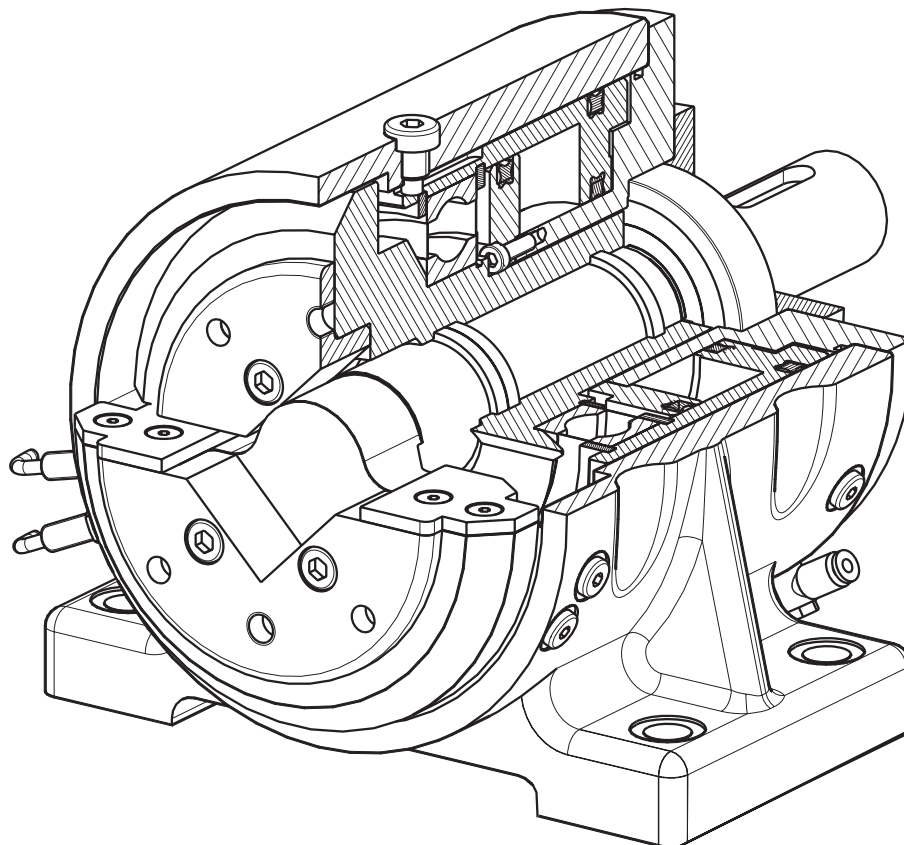




# Construction Chuck type P

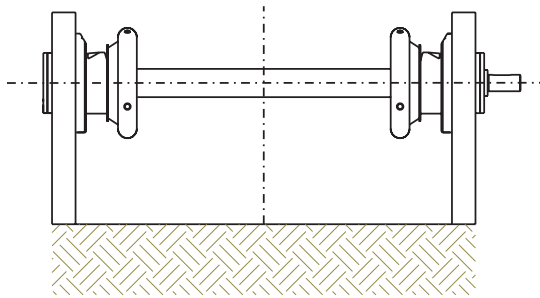
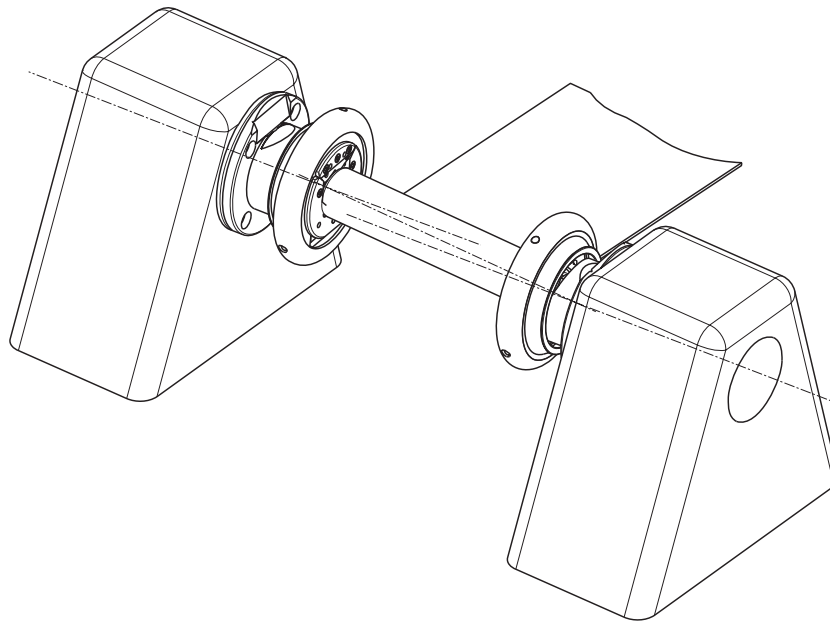


P-Chuck closed

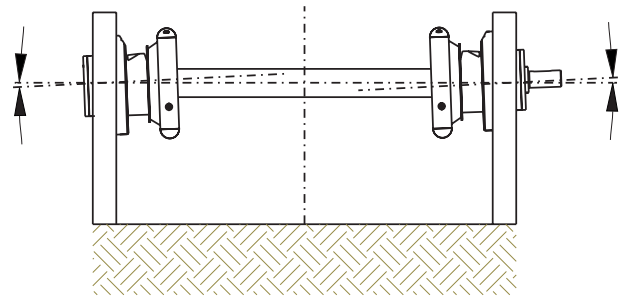


P-Chuck open

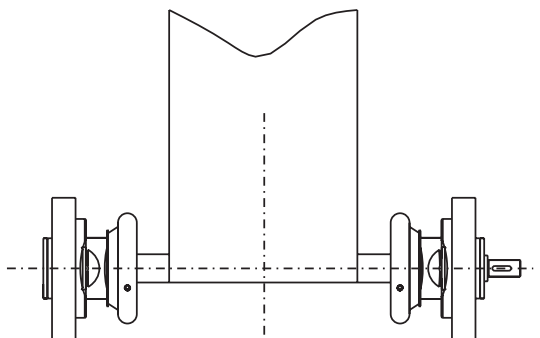
## 5.00 Assembly Instruction



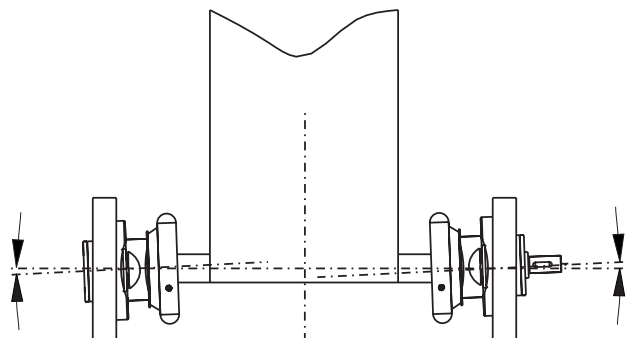
right



wrong



right



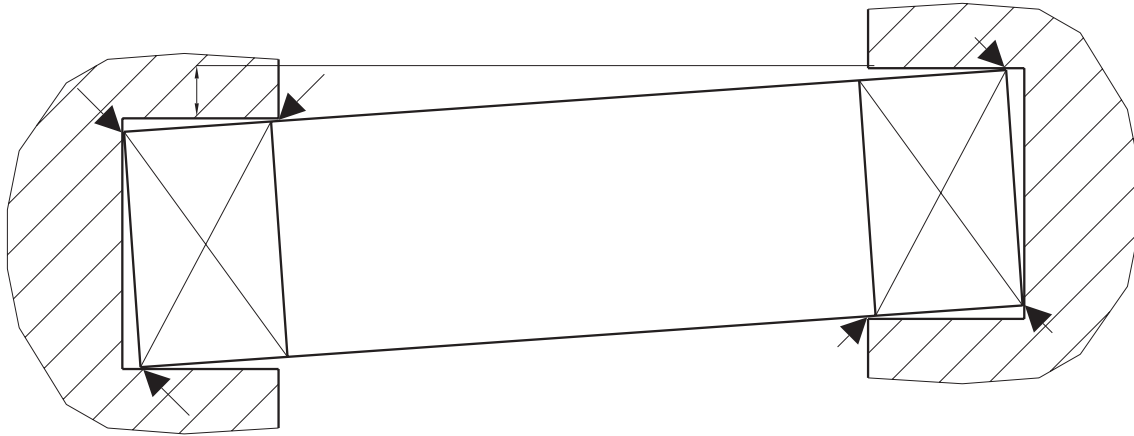
wrong

- Boschert Chucks have to be mounted in an alignment
- please make sure that the winding shafts are mounted in the same height and same distance
- No more then  $0.3^\circ$  misalignment.

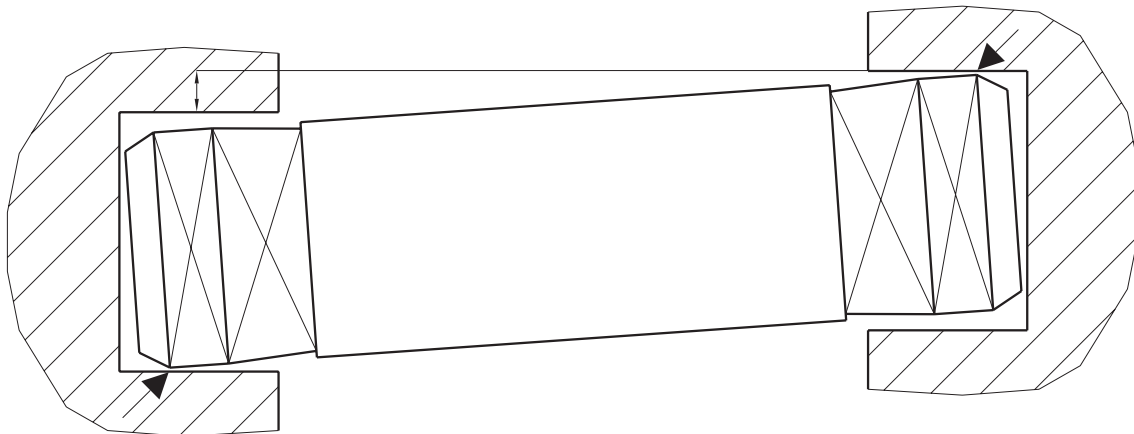
- is the winding shaft installed correct and in alignment
  - there are cases where the winding shaft is installed correct and in alignment, but the Boschert Chucks are mounted incorrectly (no alignment), you have to expect that the square pocket of the Boschert Chuck will wear very fast.
- The result are vibrations of the stand or the machine.

Precise alignment of the Chucks protects against increased wear. Any misalignment will affect the life of both the Safety Chucks and the shaft ends.

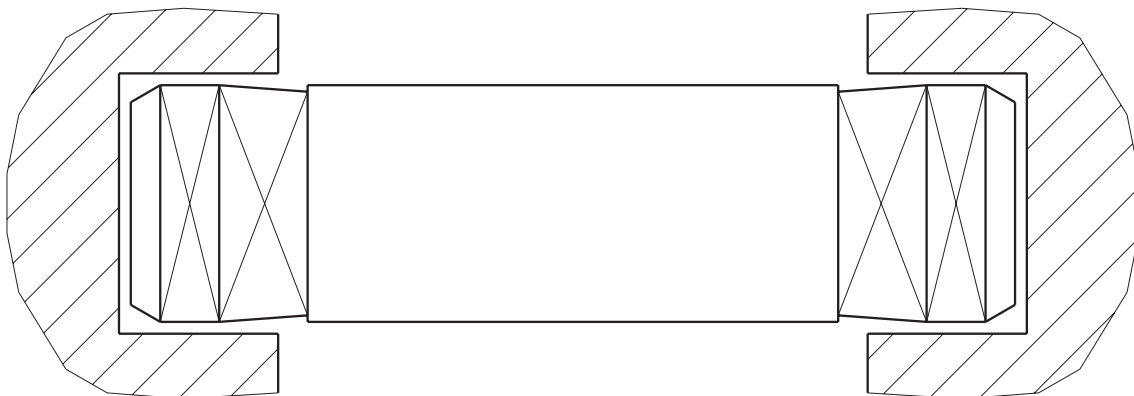
**The factory cannot provide any warranty if the chucks are not mounted as we recommend.**



wrong alignment



wrong alignment



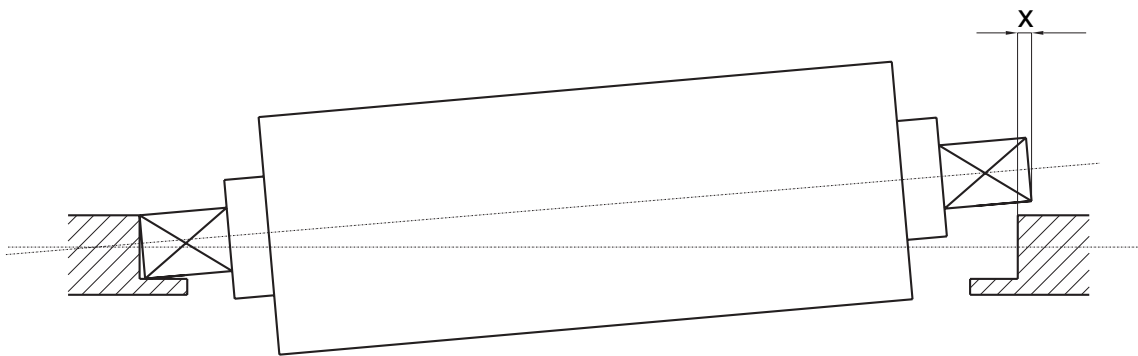
correct alignment

## Advantages of close tolerances - Selection of the winding bar

Here especially measure "x" see page 5.10.

Only slight axial space between safety chuck and winding bar results in troublefree winding. On the other hand, there has to be enough space to put the winding bar in. Since the space differs from application to application, we here show the main influences on examples.

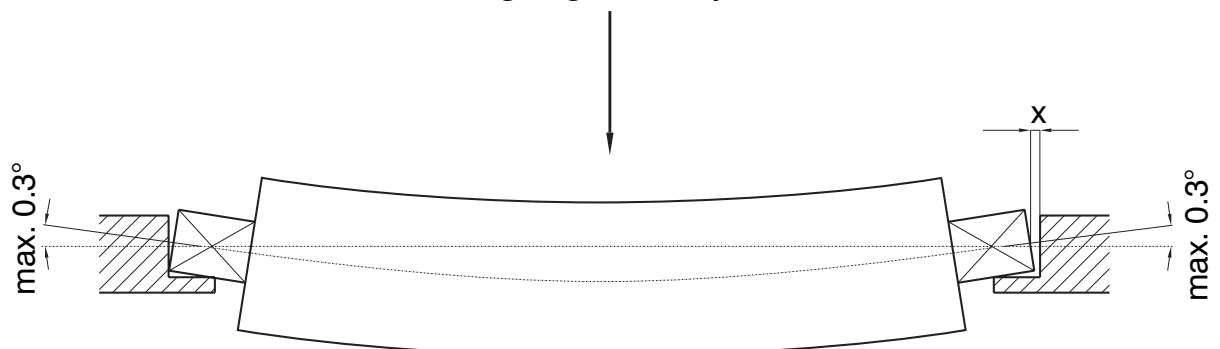
### Winding shaft cannot be inserted in alignment with the shaft



**More space necessary !**

### Wrong choice of winding shafts deflection.

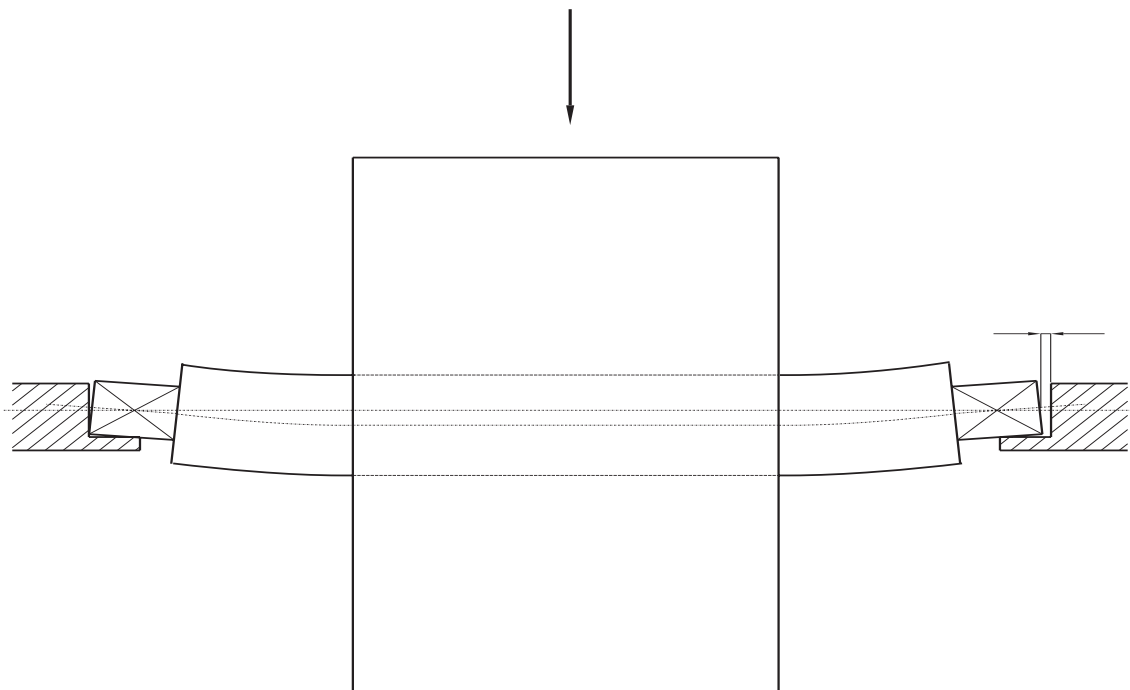
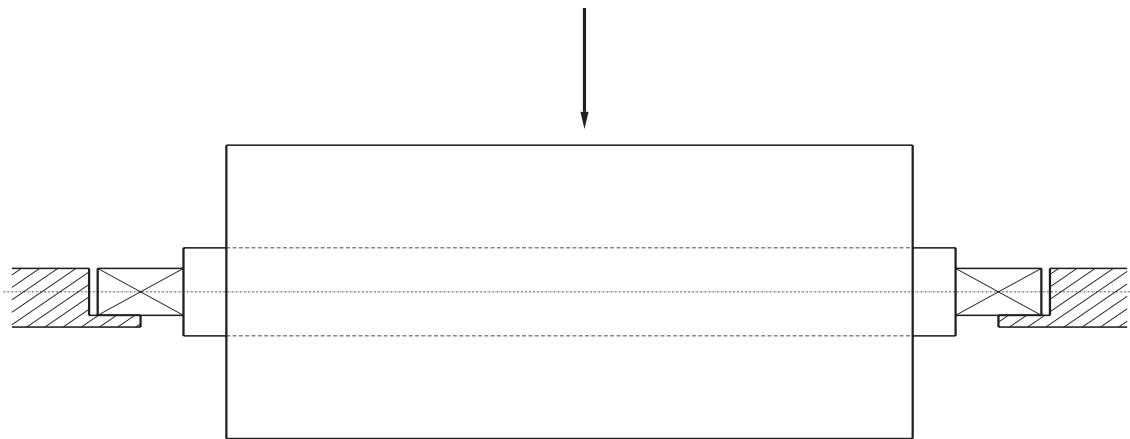
max. bending angle at the journals  $0.3^\circ$



**Space becomes larger !**

## Different roll widths on the same winding shaft

The width of a roll affects the deflection of the roll shaft. A narrow width roll on a long roll shaft is more likely to cause deflection than a roll which is nearly the same width as the length of the roll body.



**Effect of narrow width roll on roll shaft**