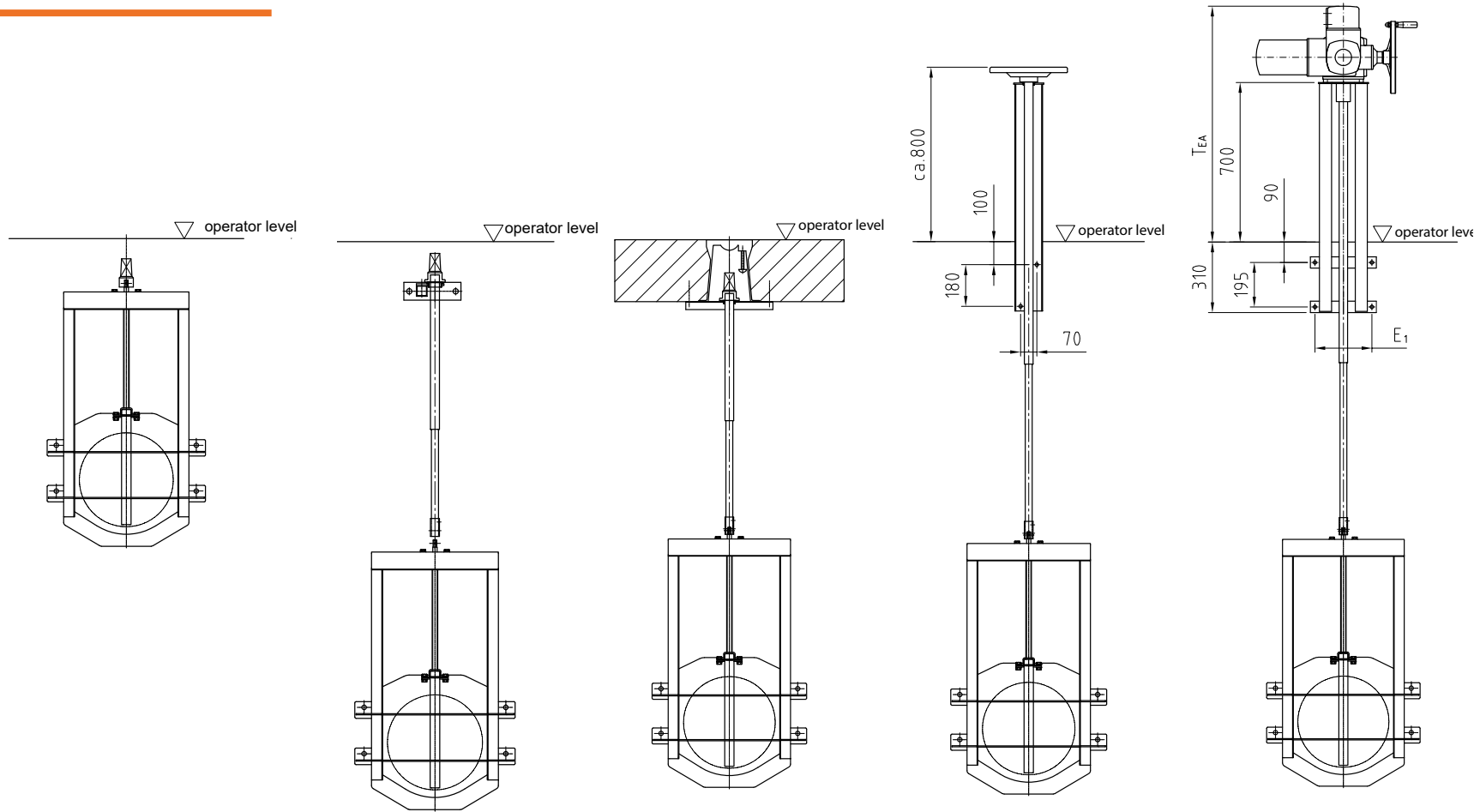


## Actuation packages 1-5 ▪ telescopic



- Installation depth: top edge operator level - pipes bottom edge
- All packages in SS304 (1.4301), SS316 (1.4571) or 1.0037 galvanized available
- E-actuators and pneumatic-cylinders not included

**AP 1**

Stem square cap

**AP 2**

Telesc. spindle extension,  
adjustable wall bracket,  
stem square cap

**AP 3**

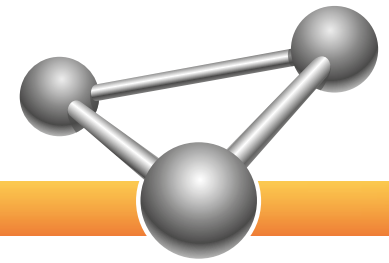
Telesc. spindle extension,  
slab bearing,  
stem square cap

**AP 4**

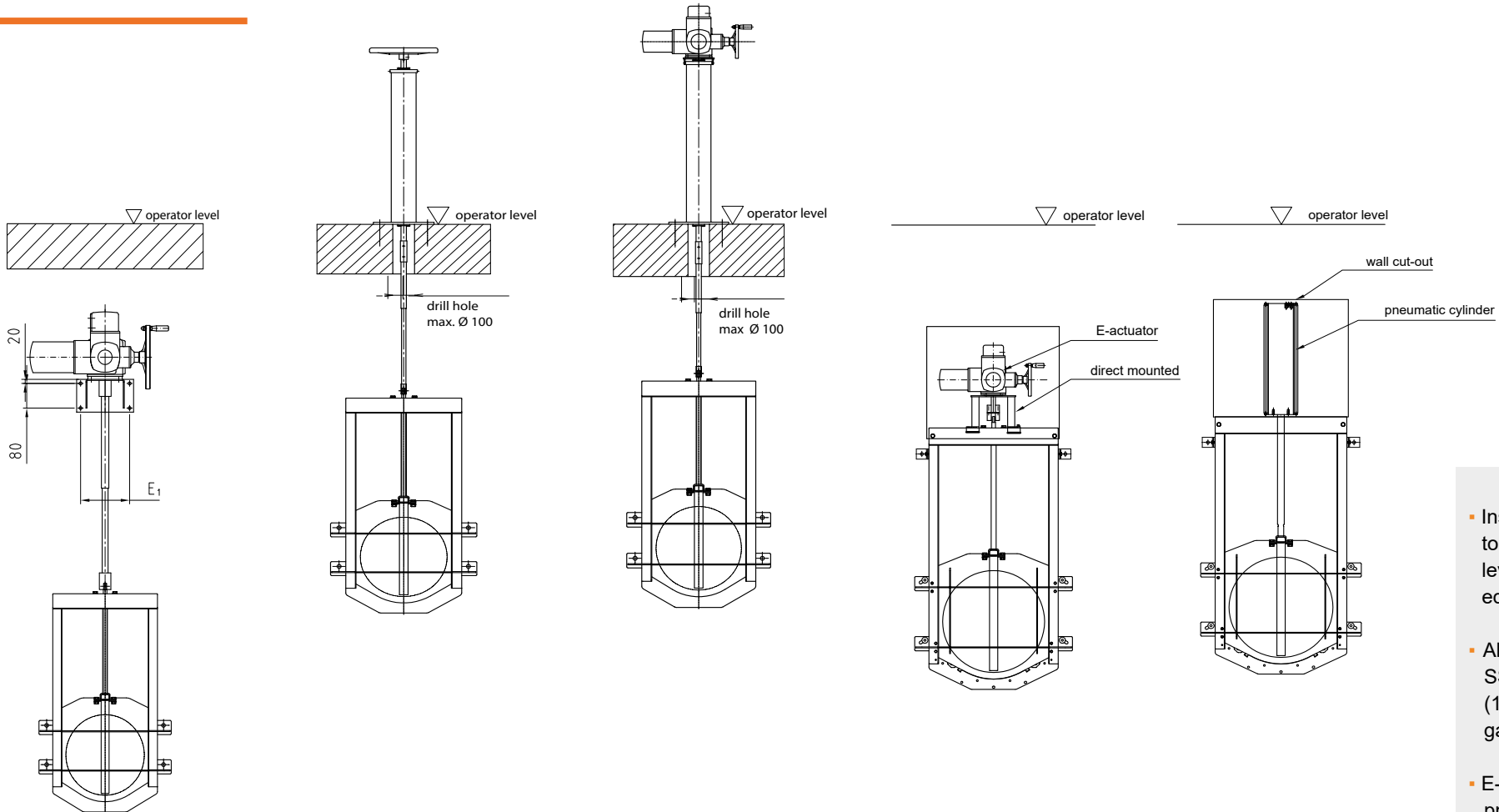
Telesc. spindle extension,  
bracket headstock,  
hand wheel

**AP 5**

Telesc. spindle extension,  
bracket headstock,  
spindle bearing



## Actuation packages 6-10 ▪ telescopic



### AP 6

Telesc. spindle extension  
Wall bracket,  
spindle bearing

### AP 7

Telesc. spindle extension  
Headstock, hand wheel

### AP 8

Telesc. spindle extension  
Headstock, spindle bearing

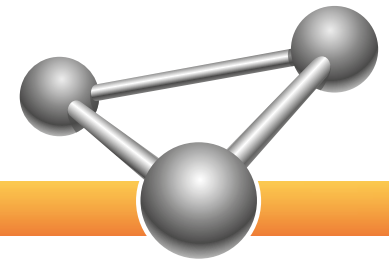
### AP 9

Direct mounted  
e-actuator

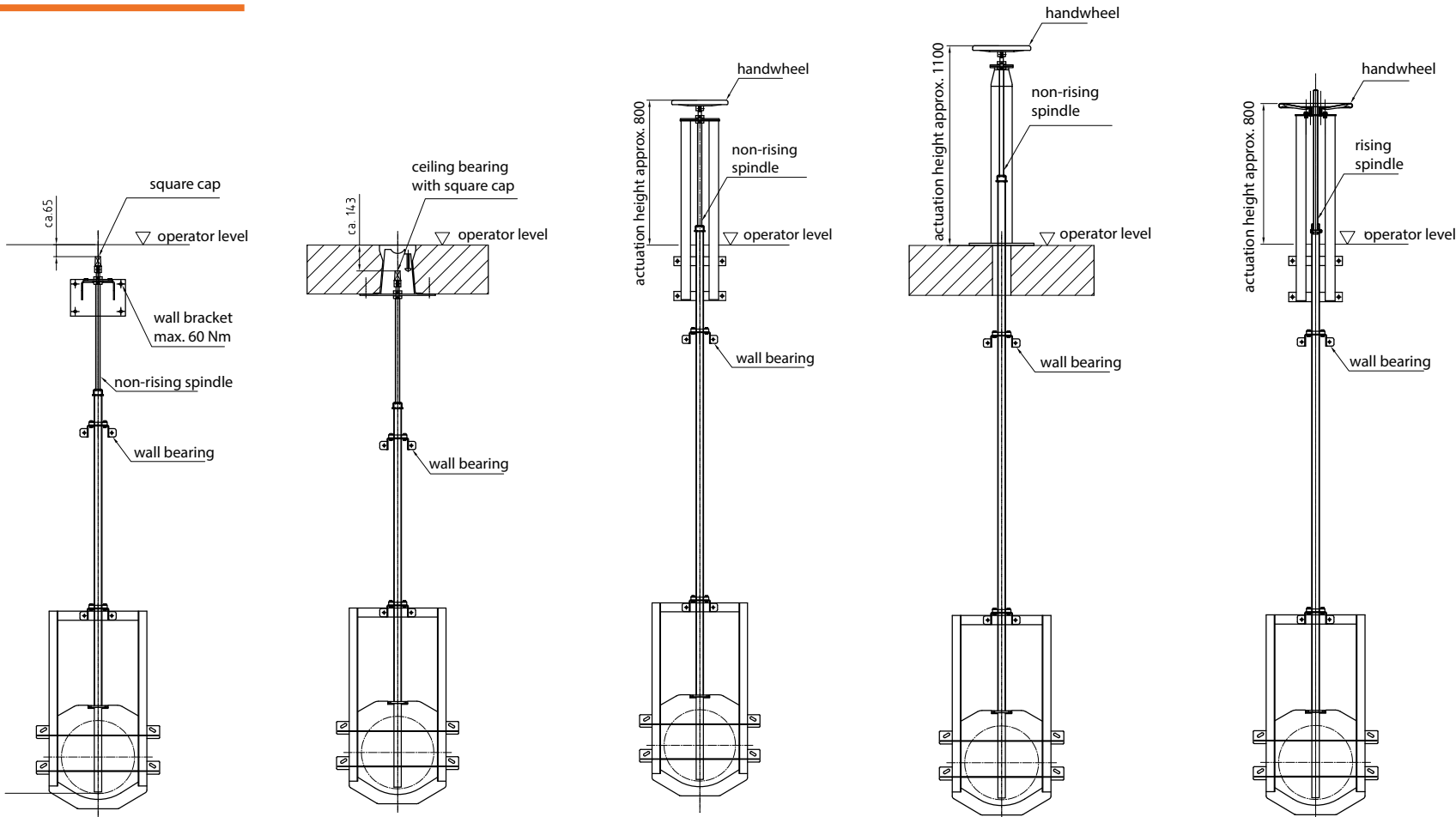
### AP 10

Direct mounted  
pneumatic-cylinder

- Installation depth:  
top edge operator  
level - pipes bottom  
edge
- All packages in  
SS304 (1.4301), SS316  
(1.4571) or 1.0037  
galvanized available
- E-actuators and  
pneumatic-cylinders  
not included



## Actuation packages 11-15 ▪ stem pipe extension



### AP 11

Stem square cap with wall bracket for non-rising spindle

### AP 12

Slab bearing with stem square cap for non-rising spindle

### AP 13

Bracket headstock with handwheel for non-rising spindle

### AP 14

Headstock with handwheel for non-rising spindle

### AP 15

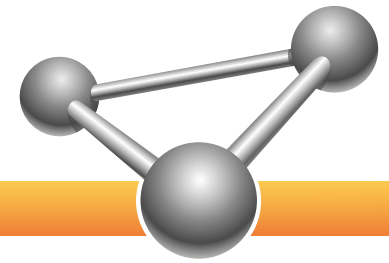
Bracket headstock with handwheel for rising spindle

- Stem extension in standard length of 3, 6, 8 or 10 m, or order-related in the length acc. to approved installation drawing.
- There is the possibility of 100 mm length adjustment within the spindle.

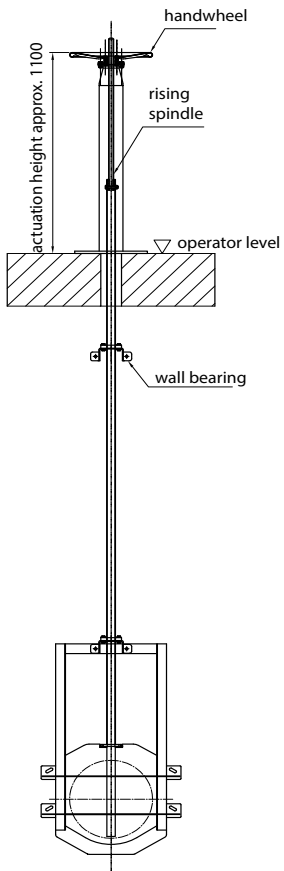
- Installation depth: top edge operator level - pipes bottom edge

- All packages in SS304 (1.4301), SS316 (1.4571) or 1.0037 galvanized available

- E-actuators and pneumatic-cylinders not included

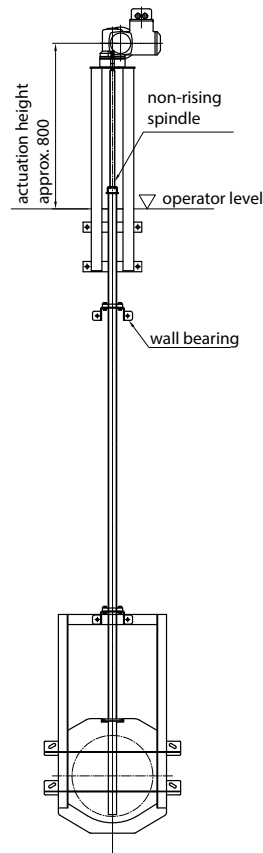


## Actuation packages 16-20 ▪ stem pipe extension



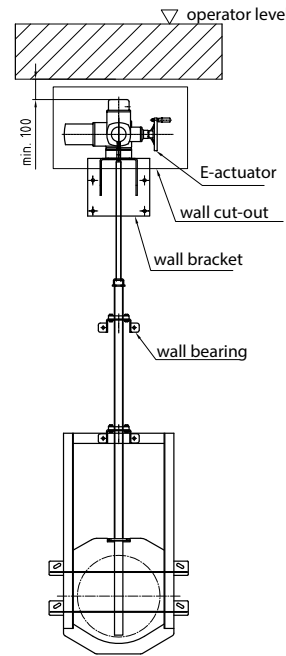
**AP 16**

Headstock with handwheel for rising spindle



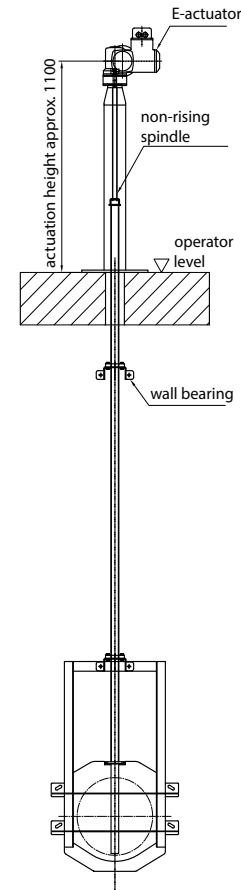
**AP 17**

Bracket headstock with E-actuator for non-rising spindle



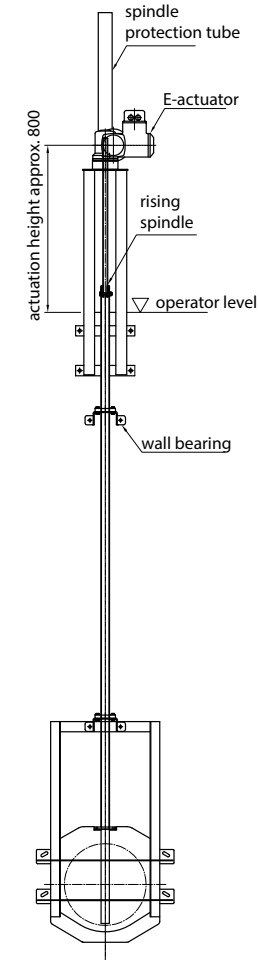
**AP 18**

E-actuator with wall bracket for non-rising spindle



**AP 19**

E-actuator with headstock for non-rising spindle



**AP 20**

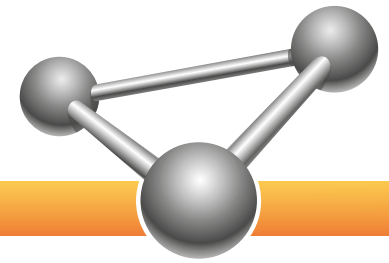
E-actuator with bracket headstock for rising spindle

- Stem extension in standard length of 3, 6, 8 or 10 m, or order-related in the length acc. to approved installation drawing.
- There is the possibility of 100 mm length adjust ment within the spindle.

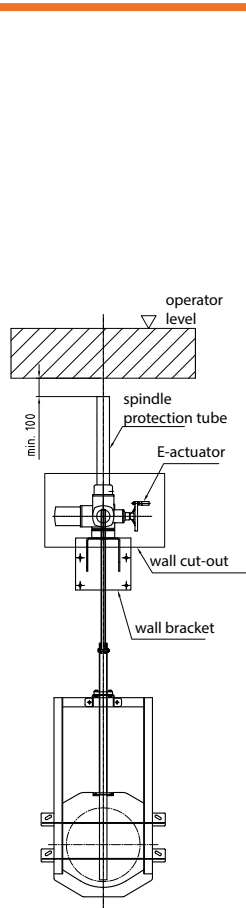
- Installation depth: top edge operator level - pipes bottom edge

- All packages in SS304 (1.4301), SS316 (1.4571) or 1.0037 galvanized available

- E-actuators and pneumatic-cylinders not included

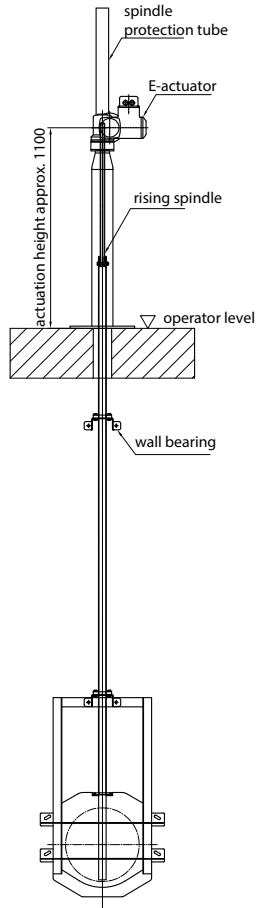


## Actuation packages 21-25 ▪ stem pipe extension



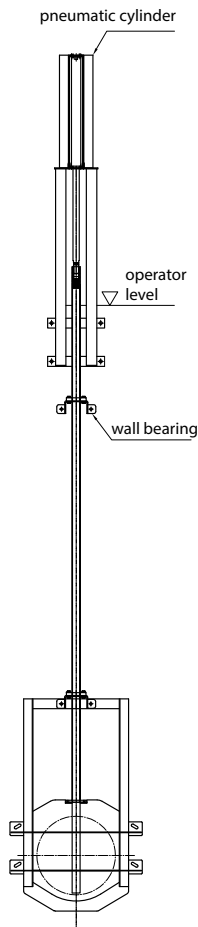
**AP 21**

E-actuator with  
Wall bracket for  
rising spindle



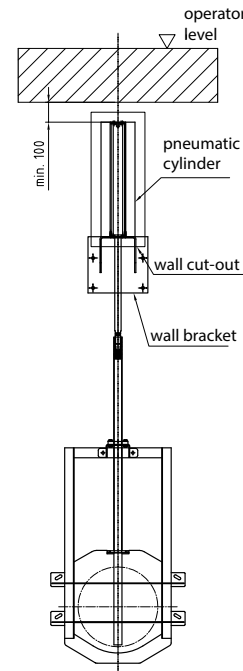
**AP 22**

E-actuator with  
headstock for  
rising spindle



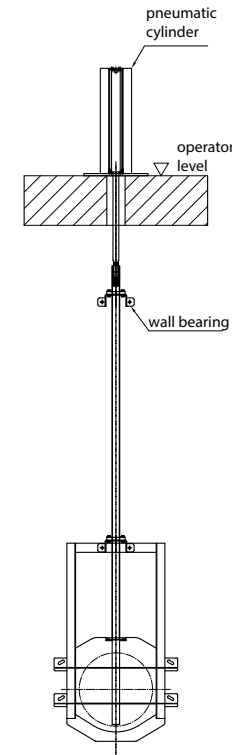
**AP 23**

Pneumatic-cylinder  
with bracket headstock



**AP 24**

Pneumatic-cylinder  
with wallbracket



**AP 25**

Pneumatic-cylinder  
on slap bearing

- Stem extension in standard length of 3, 6, 8 or 10 m, or order-related in the length acc. to approved installation drawing.
- There is the possibility of 100 mm length adjust ment within the spindle.

- Installation depth: top edge operator level - pipes bottom edge
- All packages in SS304 (1.4301), SS316 (1.4571) or 1.0037 galvanized available
- E-actuators and pneumatic-cylinders not included