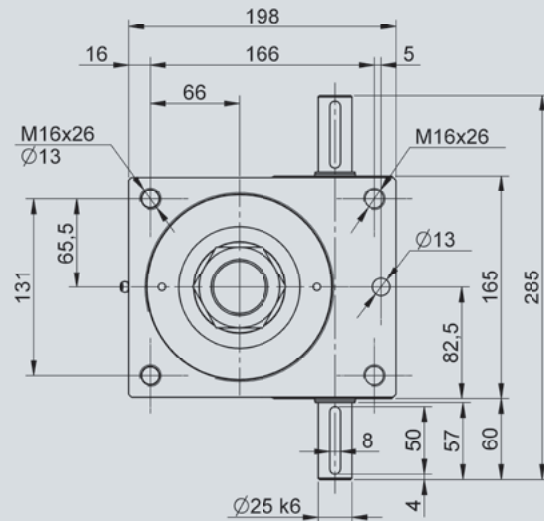
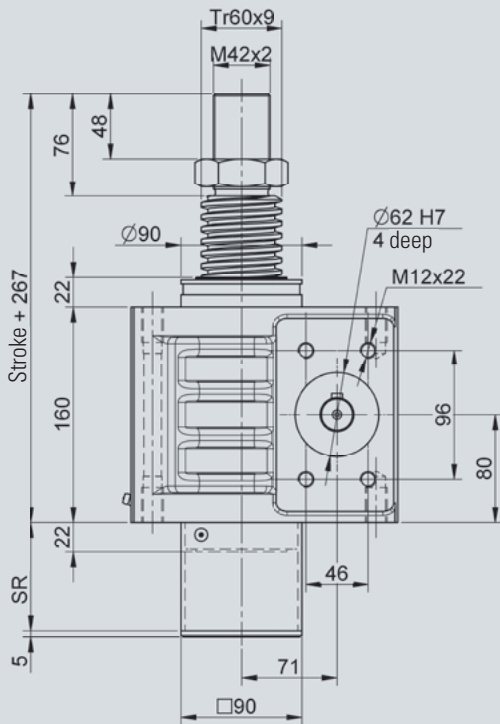
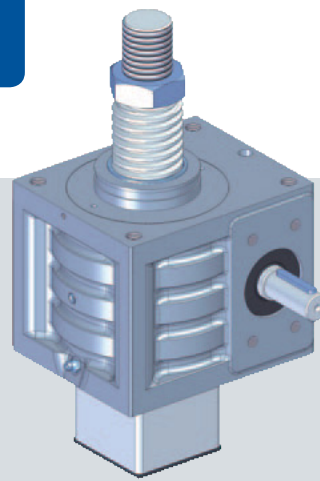


### NSE100-SN / SL



The innovative modular screw jack system from Nozag, allows for perfect drive solutions from low cost standard components. The kit is subject to the highest standards of functionality, quality and design. With little effort, very much can be moved and still, the investment, maintenance and operating costs are kept within narrow limits.

Screw jacks developed and produced by Nozag, solve these tasks in a simple and cost efficient manner.

#### Specifications

Maximum lifting capacity: 100 kN (10000 kg)  
 Maximum driveshaft speed: 1400 min<sup>-1</sup> (higher on request)  
 Spindle: TR 60/9 (standard)

#### Material

Material (housing): Aluminium  
 Lubrication: Grease

#### Weight

Screw jack weight: 16.80 kg (with grease / without spindle)  
 Spindle weight: 19.00 kg/m

#### Features

Type	Ratio	Stroke per revolution	Driving torque <sup>1</sup>	Max torque	Drive through torque <sup>2</sup>
	i	mm	Nm	Nm	Nm
NSE100-SN	9:1	1.00	F(kN) x 0.59 + 1.68	60.20	315
NSE100-SL	36:1	0.25	F(kN) x 0.19 + 1.02	20.20	315

1) Factor includes efficiency, ratio and safety 1

2) By more that six gearboxes in series, please contact our technicians

#### Spindle length

	Basis	Options
Stroke:	.....	
Safety clearance (spindle pitch)	+ 9	
Basis Length	+280	
Escape protection		+ 24
Lock against rotation		+ 24
Safety clearance (spindle pitch)	+ 9	
Compressed length of bellows	.....	

#### Overall length of spindle

Overall length of spindle = ..... + ..... = .....

#### Compressed length of bellows

Stroke/26,0 = ..... x 2,0 = .....  
 (round number)

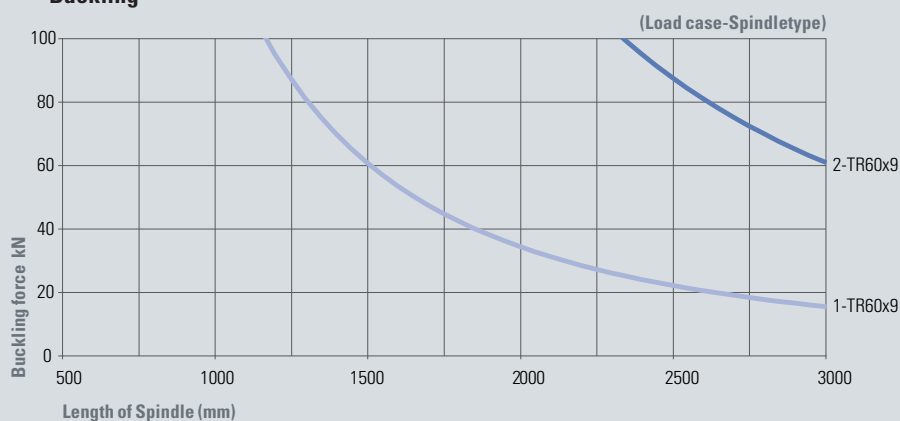
#### Protective tube

Stroke	.....	
Basis length	+ 37	
Escape protection		+ 44
Lock against rotation		+ 44

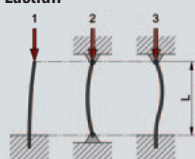
#### Total protection tube length

Total protection tube length = ..... + ..... = .....

### Buckling



### Lastfall



Determine, in the diagram (safety 1), with the corresponding load case (1 / 2 / 3), the intersection of the buckling force  $F$  and free spindle length  $L$ . The intersection point must lie below the boundary line of the chosen spindle diameter. If not, a bigger spindle, respectively, the next larger gearbox is to be selected.

We reserve the right on printing and dimension errors, as well as technical changes and improvements.

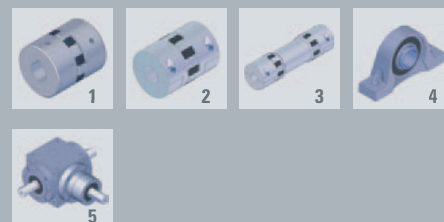
CAD files can be downloaded at [www.nozag.ch](http://www.nozag.ch).

### Attachments



- 1 Spindle
- 2 Escape protection
- 3 Lock against rotation
- 4 Mounting flange
- 5 Fork head
- 6 Ball joint head
- 7 Swivel bearing head
- 8 Suspension adapter for gearboxes
- 9 Shaft cover
- 10 Bellows
- 11 Spiral spring cover
- 12 Lubricant dispenser
- 13 Hand wheel

### Drive components



- 1 Coupling
- 2 Clamp coupling
- 3 Connecting shaft
- 4 Pedestal bearing
- 5 Bevel gearboxes

### Motor mounting



- 1 Motor adapter
- 2 Motor / brake motor
- 3 Rotary pulse encoder
- 4 Spring brake

Refer to the catalog, program system 2010, for attachments, drive components and motor mountings.

### Available on request:

- > Double-threaded trapezoidal screw
- > Ballscrew
- > Stainlesssteel spindle (INOX)
- > Surface-treated spindle