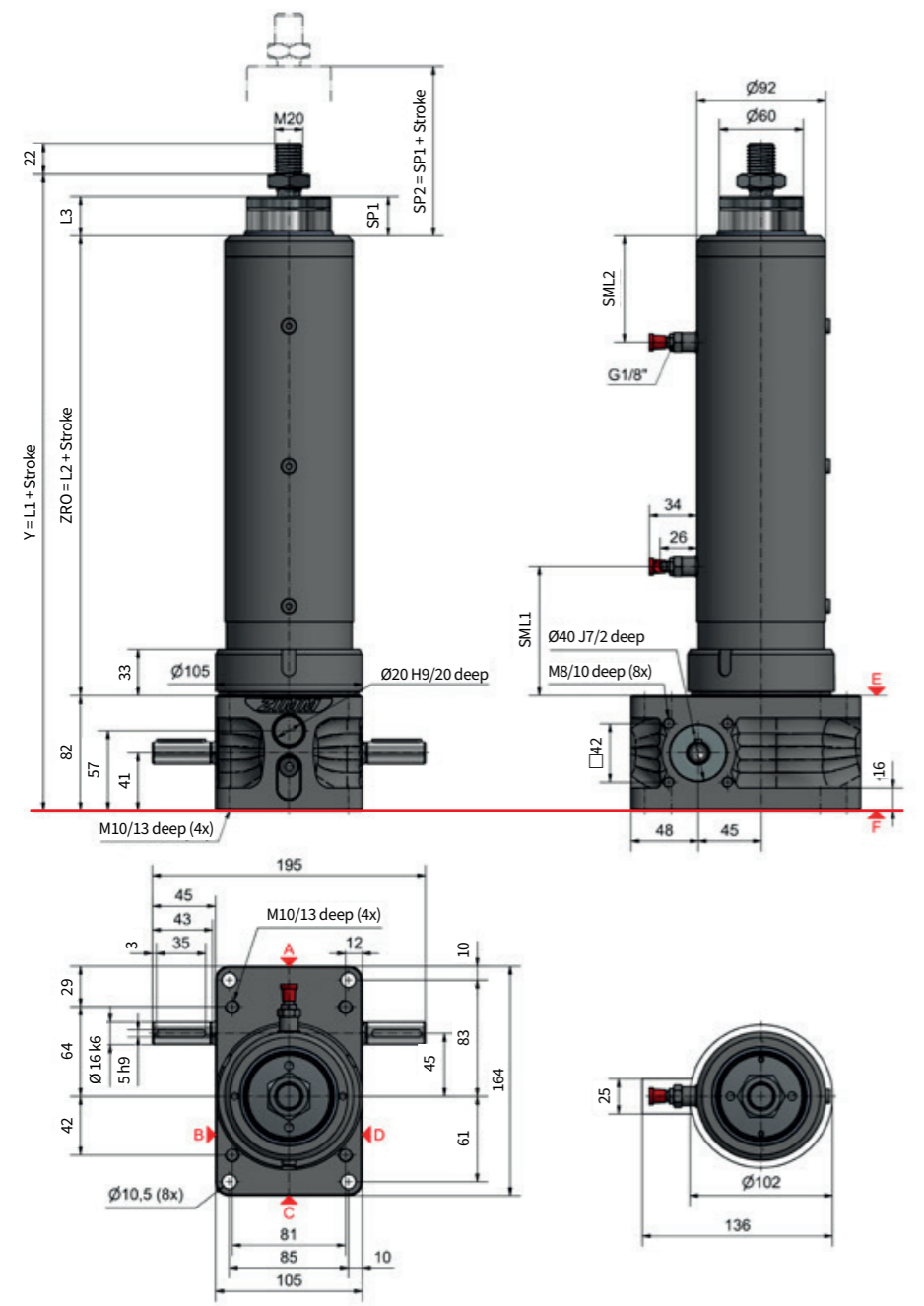


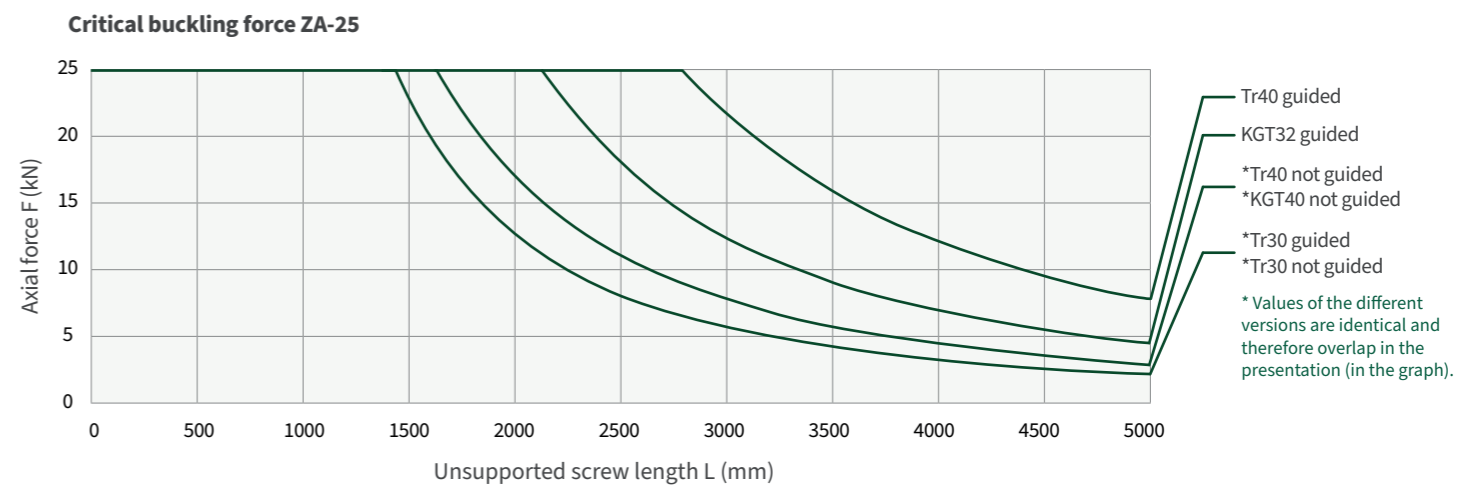
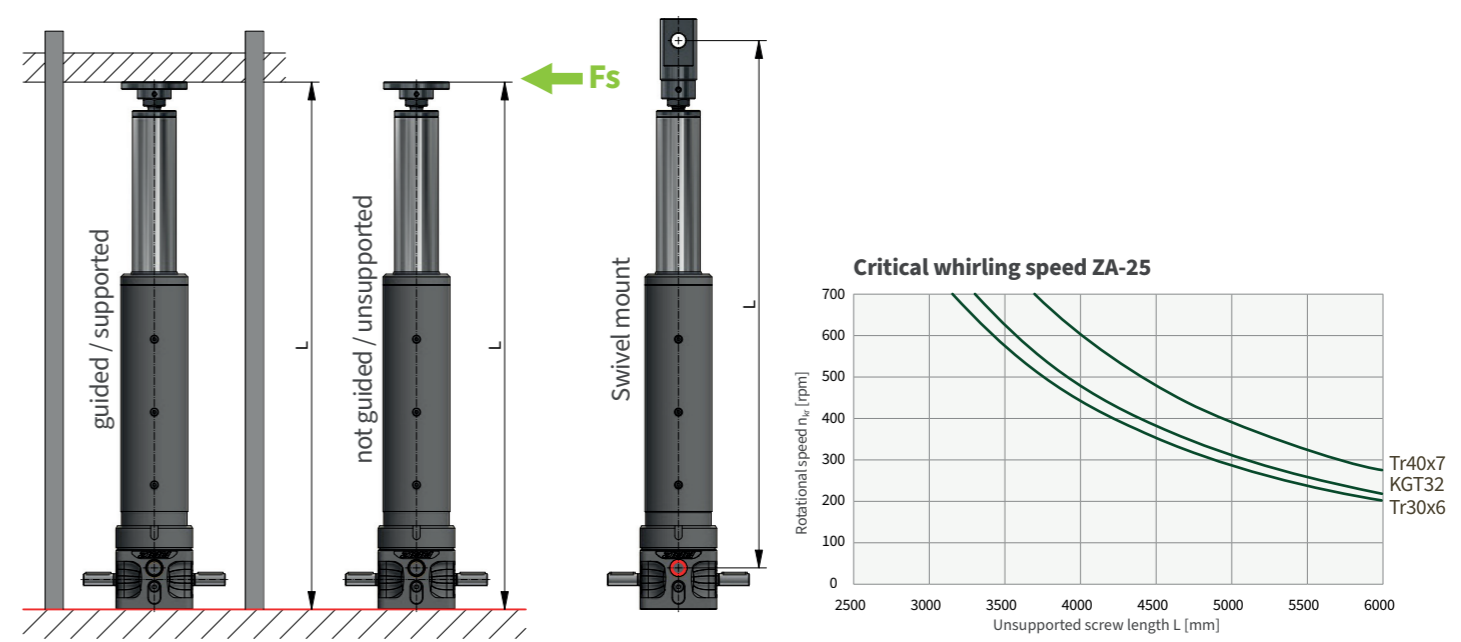
25 kN

ZA-25 | Electromechanical actuators



Technical information

ZA-25 | Critical buckling force & critical whirling speed



KGT load rating [kN]

	KGT32x5	KGT32x10	KGT32x20
dyn. C	24,8	30,8	32,9
stat. C ₀	49,7	45,6	47,1

Ordering example: ZA-25 1,00 Tr 30x6-RH -H800

Size	Stroke
Speed	Screw diameter
Thread version / variant	Screw pitch

Standard configuration

Code	Ratio	Screw	Stroke per drive shaft rotation
ZA-25	24:1	Tr30x6	0,25 mm
		Tr40x7	0,29 mm
	6:1	Tr30x6	1,00 mm
		Tr40x7	1,17 mm
	24:1	KGT32x5	0,21 mm
		KGT32x10	0,42 mm
6:1	KGT32x5	0,83 mm	
	KGT32x10	1,67 mm	
		KGT32x20	3,33 mm

Length calculations

	Standard TR mm	SIFA TR mm	KGT32x5 mm	KGT32x10 mm	KGT32x20 mm
L1	306	313	349	364	409
L2	185	192	224	234	264
L3	23	23	27	32	47
SP1	23	23	27	32	47
SML1	72	79	105	110	125
SML2	113	113	119	124	139

Lubrication position SP1 corresponds to standard lubrication length SML1. Safety distance L3. For the lubrication of the screw drive and the anti-rotation lock, the lubrication positions SP1 (retracted) and SP2 (extended) must be maintained at ±2 mm.

Dynamic lateral force Fs (max.)

Fully extended L [mm]	max. Fs [N] (dynamic)	
	Standard	Heavy duty screw**
500	410	1540
600		1220
700		1000
800		850
900		740
1000		650
1200	510	
1500	380	
2000	260	
2500	-	
3000	-	

For tensile loads in conjunction with lateral forces, the permissible load is limited to 60% of the nominal load (max. tensile force ZA-25 = 15kN). Part-turn actuator excluded from this limitation.

For compressive loads, the buckling diagram must also be observed.

**Only with reinforced mounting component from size ZE-50

Technical data

max. compressive/tensile force:	25 kN (2,5 t) static
Input speed:	1500 rpm / max. 3000 rpm
Housing:	aluminium, corrosion-resistant
Push rod:	steel, chrome-plated
Worm shaft:	steel, case-hardened, ground
Weight of actuator body:	11 kg
Weight per 100 mm stroke:	2,4 kg
Cylinder tube:	steel
Gearbox lubrication:	synthetic fluid grease
Screw lubrication:	grease lubrication
Gearbox operating temp.:	max. 60°C, higher on request
IP code:	max. IP64

**see accessories from page 15