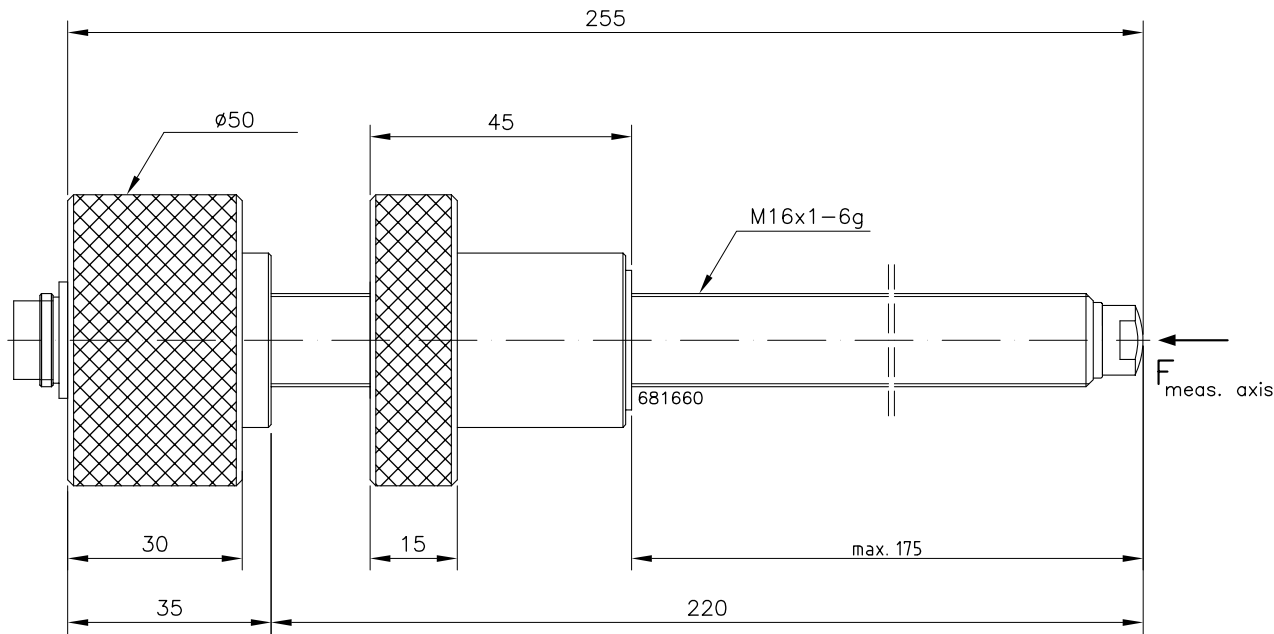


Scale drawing



All dimensions in mm

Rated measuring range

Nominal force [kN]			
10			

The measuring range of the sensor begins at the force's zero point.
Nominal forces differing from the list are available.

Scope of supply

Sensor according to scale drawing

Special designs

- nominal forces differing from standard
- dimensions for thread, spindle length and effective adjusting range differing from standard

Accessories

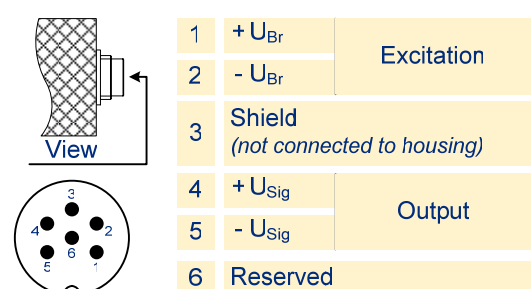
- sensor connection cable with female / male connector, length custom-specific
- sensor connection cable with female connector / open ends, length custom-specific

Technical data

Rated measuring range (FN)	kN	0...10
Rated output	mV/V	1,0
Rated output tolerance	%	< ±0,2
Accuracy class		0,1
Excitation voltage max.	V	12
Reference excitation voltage	V	10
Input resistance	Ω	350 ±3
Output resistance	Ω	350 ±1
Isolation resistance	GΩ	> 10
Rated temperature range	°C	5...50
Operational temperature range	°C	-10...70
Storage temperature range	°C	-30...70
Reference temperature	°C	23
Temperature influence per 10 K		
- on the zero point (TK0)	% F_N	< ±0,1
- on the calibration (TKC)	% F_N	< ±0,15
Creep after 30 minutes	% F_N	< ±0,1
Linear output signal up to	% F_N	approx. 125
Deflection at nominal force	mm	< 0,01
Natural frequency of the sensor	kHz	> 40 (depending on nominal force)
Weight	kg	approx. 1
Sensor housing	high-tensile steel, black finishing	
Protection class	IP 65	

Connections

Connection with male socket



68164001

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