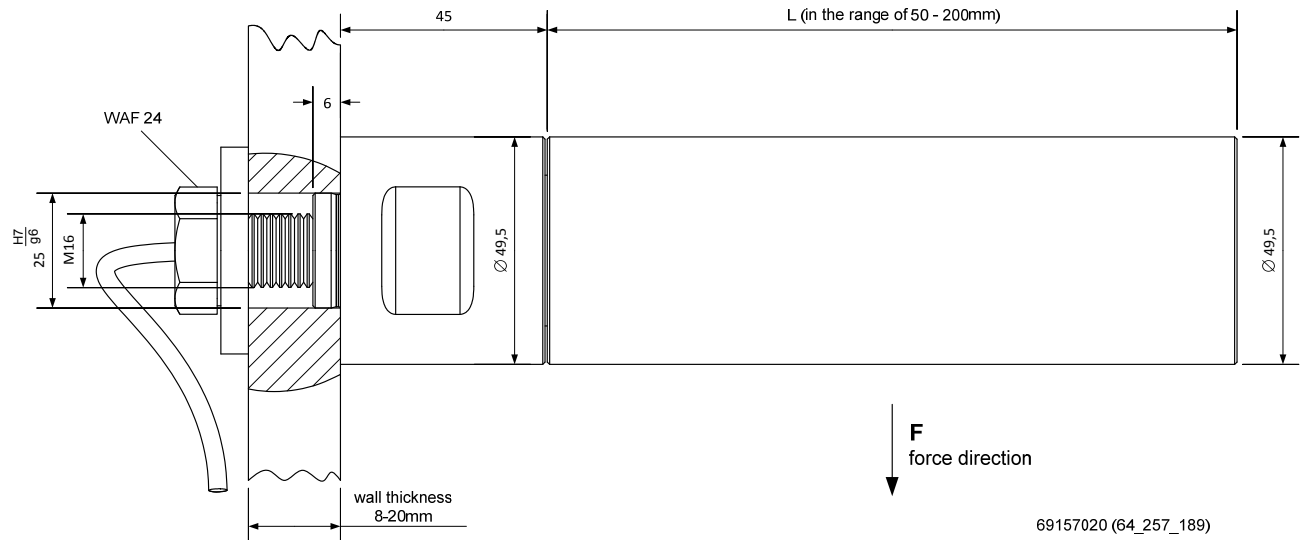
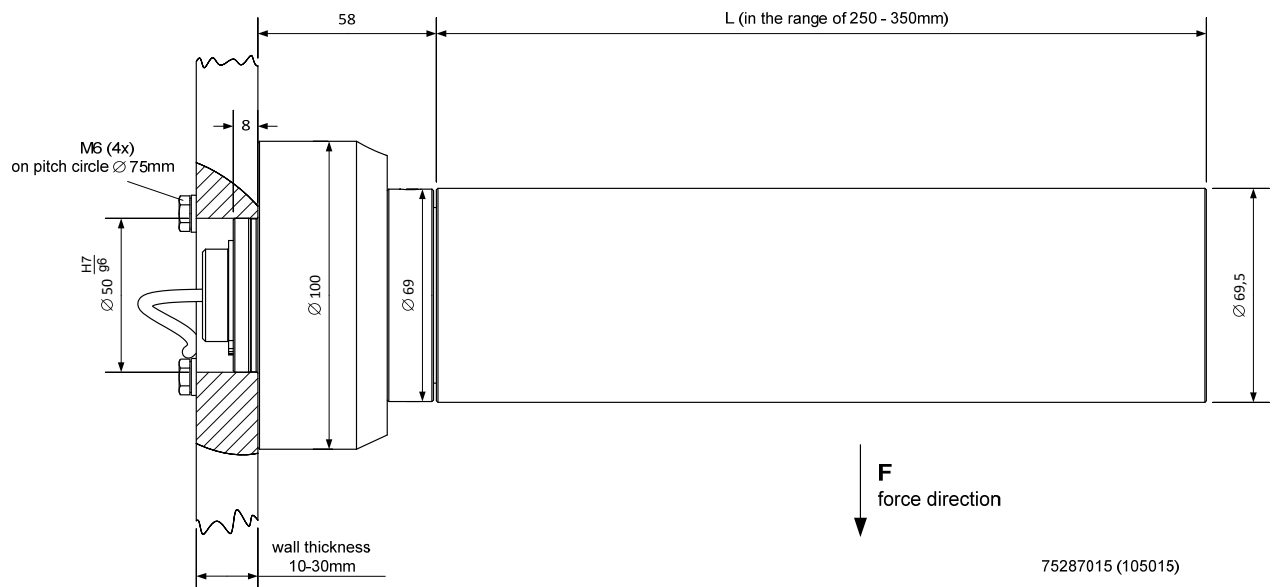


Scale drawing

Construction size 2



Construction size 3



All dimensions in mm
WAF: width across flats

Rated measuring ranges

Size	Nominal force [N]											
					HR (High Range)					XR (Extended Range)		
2	100	200	300	400	500	600	1000	1200	1500	3000		
3	100	200	300	400	500	600	1000	1200	1500	3000		

The measuring range of the sensor begins at force's zero point.

Nominal forces differing from the list are available.

Order code

RMA-CSW				2	- 600	- 100	- 3	- O
Sensor type								
Construction size								
Nominal force [N]								
Roll length L [mm]								
Length of cable [m]		standard: 3						
		option: required length						
Connection		standard: O with open ends						
		option: S with male plug						

Scope of supply

Sensor with roll

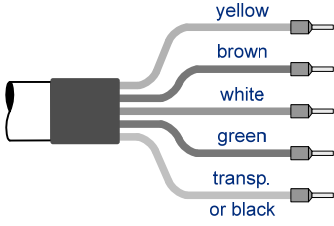
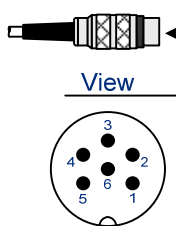
Options

- connection cable with male plug
- length of connection cable differing from standard
- special connection cable, e.g. oil-resistant or for use in Ex-protection areas

Special designs

- nominal forces differing from standard
- sensor housing and measuring cell made out of stainless steel, for use in humid environment
- advanced temperature range

Connections

Standard: Connection type „O“				Option: Connection type „S“			
							
+U _{Br}		Excitation		1 +U _{Br}		Excitation	
-U _{Br}				2 -U _{Br}			
+U _{Sig}		Output		3 Shield		(not connected to housing)	
-U _{Sig}				4 +U _{Sig}		Output	
Shield		(not connected to housing)		5 -U _{Sig}			
				6 Reserved			

Technical data

Rated measuring ranges (FN)	N	0 - 100 to 0 - 3000	
Rated output	mV/V	1	
Rated output tolerance	%	< ±0,2	
Accuracy class		0,2	
Accumulated error	% F_N	< ±0,2	
Excitation voltage max.	V	12	
Reference excitation voltage	V	4,5	
Input resistance	Ω	350 ±3	
Output resistance	Ω	350 ±2	
Isolation resistance	GΩ	> 5	
Nominal temperature range	°C	0...50	
Operational temperature range	°C	-10...70	
Storage temperature range	°C	-30...90	
Reference temperature	°C	23	
Temperature influence per 10 K			
- on the zero point (TK0)	% F_N	< ±0,1	
- on the calibration (TKC)	% F_N	< ±0,2	
Creep after 30 minutes	% F_N	< ±0,1	
Relative reversal error	% F_N	< ±0,2	
Service load	% F_N	300	
Ultimate load	% F_N	400	
Breaking load	% F_N	> 500	
Ultimate side load	% F_N	300	
Dynamic load limit (DIN 50100)	% F_N	50	
Axial torsional moment limit	Nm	35	
Deflection at nominal force	mm	< 0,04	
Natural frequency of the sensor	kHz	depending on roll geometry and nominal force	
Weight (depending on roll geometry)	kg	Construction size 2 approx. 1,8	Construction size 3 approx. 5
Connection cable		3 m long, flexible, shielded, 4 x 0,14 mm ² , total-Ø 4,5 mm	
Surface protection		black-finished	
Protection class		IP 54	

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Honigmann Industrielle Elektronik GmbH • In den Weiden 20 • 58285 Gevelsberg • ☎ +49-2332-55115-0 • 📠 +49-2332-55115-99