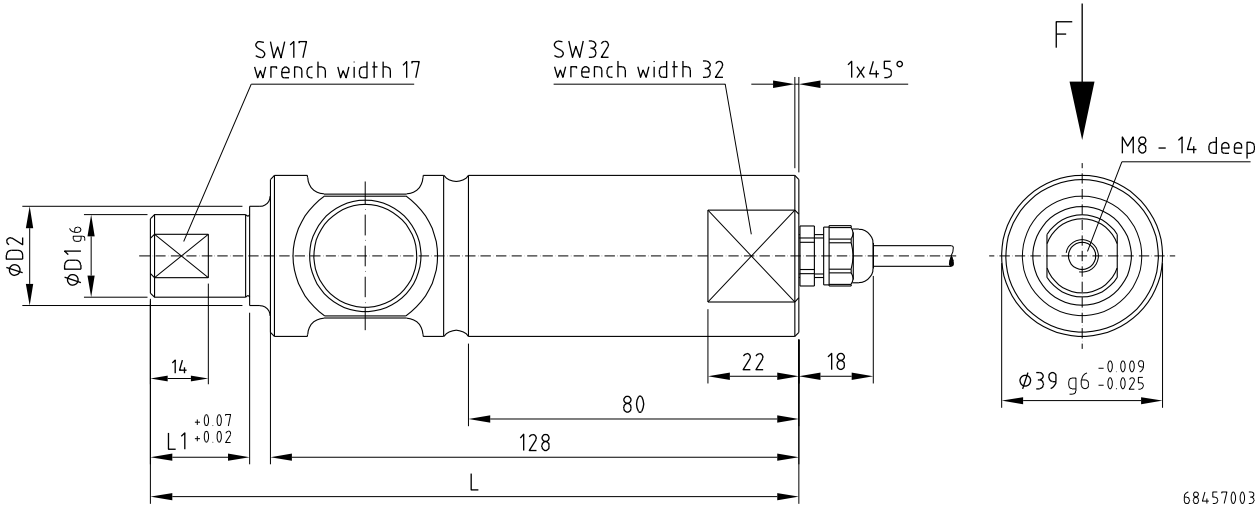


SK 224 CM
Radial force measuring axle



Scale drawing



All dimensions in mm

Rated measuring ranges

Nominal force [kN]						Bearing journal Ø [mm]		
5	10	15	20			20	25 *	

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

* Preferred construction size

Dimensions and weights

Bearing journal Ø [mm]	Dimensions [mm]				Weight
D1	L1	D2	L		[g]
20	23,9	24	157		900
25	* 28,9	28	162		950

* Preferred construction size

Order code

SK 224 CM					- 10	- 20	- 3	- O
Sensor type								
Nominal force [kN]								
Bearing journal Ø [mm]								
Cable length [m]	Standard: 3 Option: required length							
Cable connection	Standard: O (open ends) Option: S (connector)							

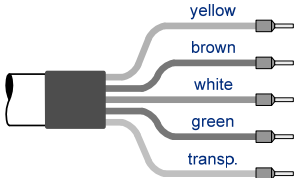
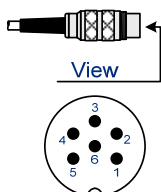
Scope of supply

Sensor with connection cable

Technical data

Rated measuring ranges (F_N)	kN	0 to 5 / 0 to 10 / 0 to 15 / 0 to 20
Rated output	mV/V	1 to 2
Rated output tolerance	%	$< \pm 0,1$
Accuracy class		0,3
Excitation voltage max.	V	12
Reference excitation voltage	V	10
Input resistance	Ω	1000 ± 4
Output resistance	Ω	1000 ± 2
Isolation resistance	GΩ	> 5
Rated temperature range	$^{\circ}\text{C}$	-10 to 50, Option: -10 to 70
Operational temperature range	$^{\circ}\text{C}$	-10 to 70
Storage temperature range	$^{\circ}\text{C}$	-30 to 80
Reference temperature	$^{\circ}\text{C}$	23
Temperature influence per 10 K		
- on the zero point (TK0)	% F_N	$< \pm 0,1$
- on the calibration (TKC)	% F_N	$< \pm 0,15$
Creep after 30 minutes	% F_N	$< \pm 0,05$
Max. load	% F_N	approx. 150
Ultimate side load	% F_N	100
Deflection at nominal force	mm	$0,07 \pm 20 \%$
Typ. natural frequency of the sensor	kHz	> 2 (depending on the nominal force)
Weight	g	approx. 900
Connection cable		3m long, flexible, shielded 4 x 0,25mm ² , total- $\varnothing$ 5,5 mm
Sensor housing		stainless steel
Protection class		IP 67

Connections

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

67164003

67164003