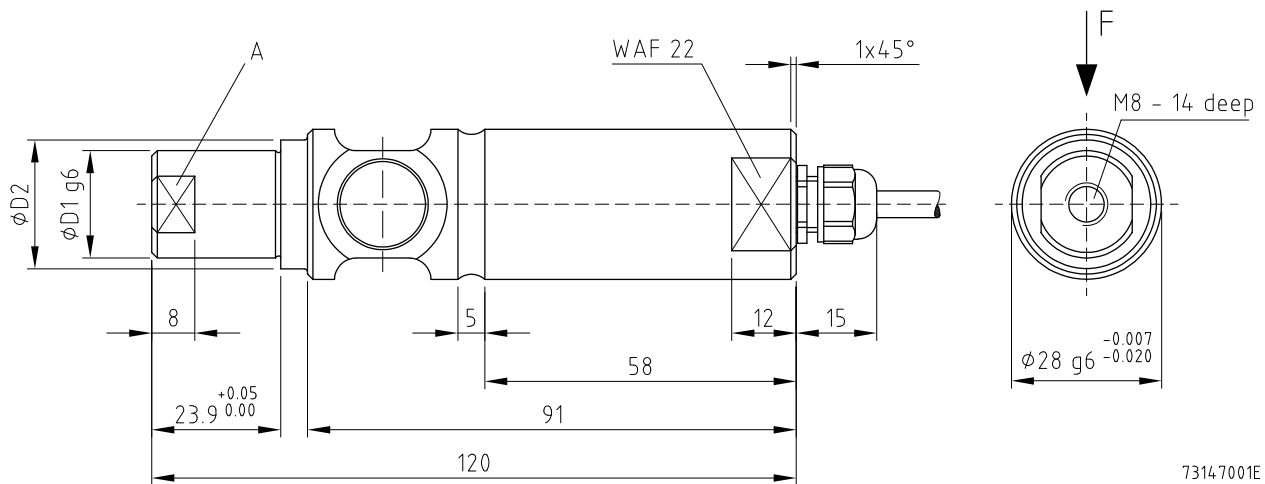


SK 122 CM

Radial force measuring axle

Honigmann

Scale drawing



73147001E

All dimensions in mm
WAF: width across flats

Rated measuring ranges

Nominal force [kN]						Bearing journal Ø [mm]		
2	3	4	5			17 *	20	

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		D2	A		[g]
17	*	20	not applicable		400
20		24	width across flats 17		400

* Preferred construction size

Order code

SK 122 CM - 4 - 17 - 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)				

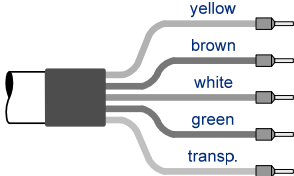
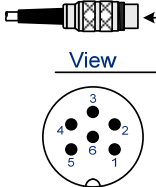
Scope of supply

Sensor with connection cable

Technical data

Rated measuring ranges (F_N)	kN	0 to 2 / 0 to 3 / 0 to 4 / 0 to 5
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	$0,05 \pm 20 \%$
Typ. natural frequency of the sensor	kHz	> 2 (depending on the nominal force)
Connection cable		3m long, flexible, shielded 4 x 0,14mm ² , total- $\varnothing$ 5,5 mm
Sensor housing		stainless steel
Protection class		IP 67

Connections

Standard: Connection type „O“		Option: Connection type „S“																									
	<table><tr><td>+ U_{Br}</td><td rowspan="2">Excitation</td></tr><tr><td>- U_{Br}</td></tr><tr><td>+ U_{Sig}</td><td rowspan="2">Output</td></tr><tr><td>- U_{Sig}</td></tr><tr><td>Shield (not connected to housing)</td><td></td></tr></table>	+ U _{Br}	Excitation	- U _{Br}	+ U _{Sig}	Output	- U _{Sig}	Shield (not connected to housing)			<table><tr><td>1</td><td>+ U_{Br}</td><td rowspan="2">Excitation</td></tr><tr><td>2</td><td>- U_{Br}</td></tr><tr><td>3</td><td>Shield (not connected to housing)</td><td></td></tr><tr><td>4</td><td>+ U_{Sig}</td><td rowspan="2">Output</td></tr><tr><td>5</td><td>- U_{Sig}</td></tr><tr><td>6</td><td>Reserved</td><td></td></tr></table>	1	+ U _{Br}	Excitation	2	- U _{Br}	3	Shield (not connected to housing)		4	+ U _{Sig}	Output	5	- U _{Sig}	6	Reserved	
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6	Reserved																										

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