Load cell KISD-6

Load cell KISD-6

Technical data

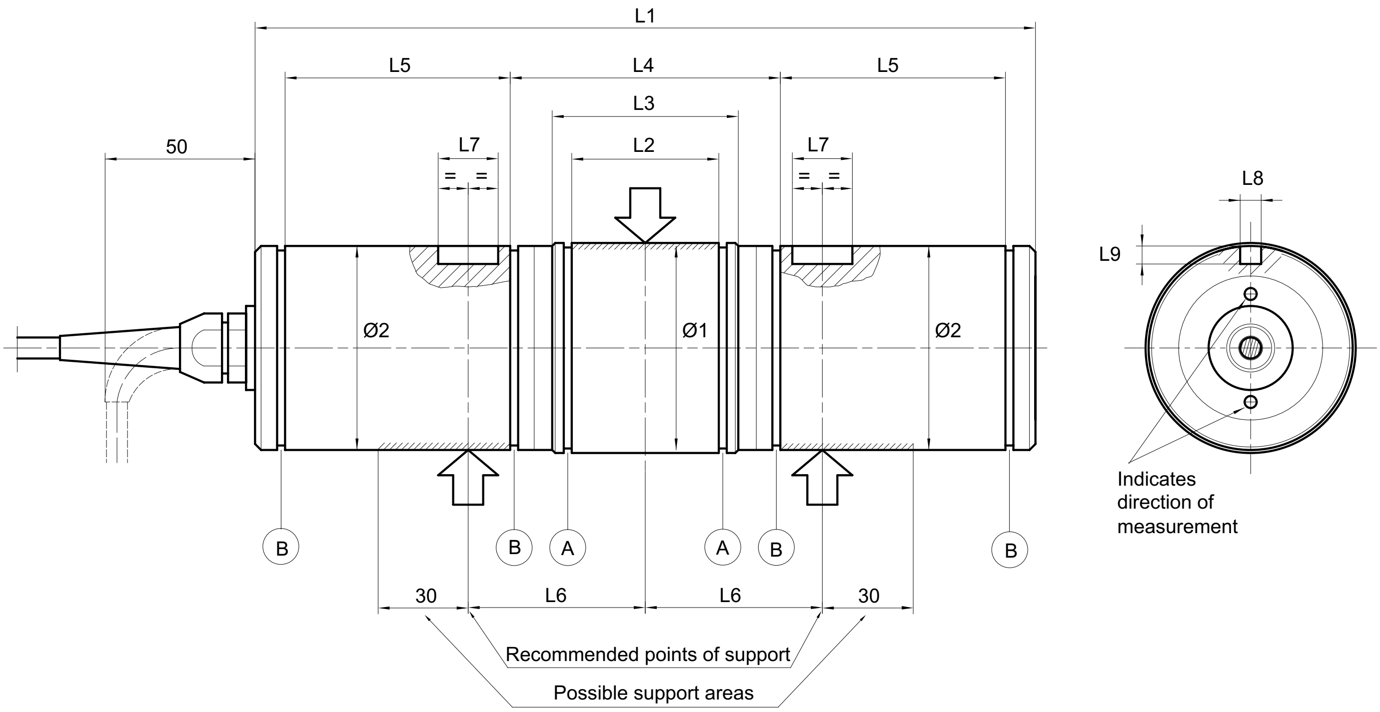
Rated load (R.L.)		**kN**	**50, 100, 200, 400, 1000**
Combined error (terminal)		% of R.O.	± 0.1
Repeatability		% of R.O.	0.02
Overload	safe*	% of R.L.	100
	ultimate*	% of R.L.	200
Sideload	safe*	% of R.L.	100
	ultimate*	% of R.L.	200
Input voltage	recommended	V DC or AC	10
	maximum	V DC or AC	18
Input resistance		ohm	382 ± 3
Output resistance		ohm	350 ± 3
Rated output (R.O.)		mV/V	≈ 2
Zero balance		% of R.O.	± 5
Tolerance of shunt calibration values		% of value**	± 0.25
Temperature range		°C	–40 to + 80 (+ 100)***
Temperature effect (–10 to +50°C):	on output	% of output/°C	± 0.005
	on zero balance	% of R.O./°C	± 0.005
Insulation resistance at 200 VDC		Gohm	>4
Material			Stainless steel
Electrical connection			10 m shielded four conductor cable
Degree of protection			IP 67

* referring to recommended loading case
** see calibration sheet of the load cell
*** –40 to +100 °C on demand

ATEX certified versions for use in explosive atmospheres are available.
II 1GD
EEx ia IIC T4 Tamb=60 °C

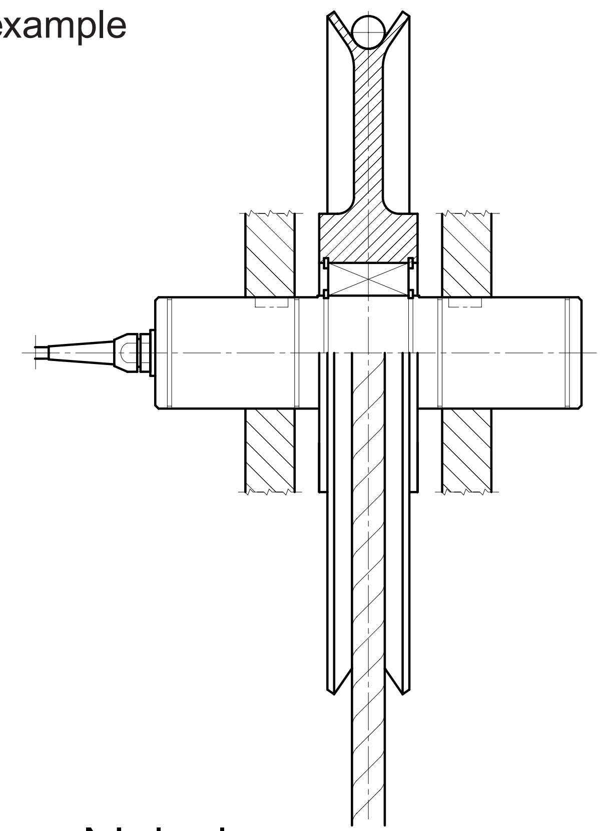
056 EN 0212 Subject to change without notice. helitera.se [JC]

Dimensions KISD-6



Range kN	L1	L2	L3	L4	L5	L6	L7	L8	L9	⌀1	⌀2	(A) Circlip	(B) Circlip
50,100	260	$49^{+0.5}_{+0.2}$	62	90	$75^{+0.5}_{+0.2}$	59	20	7	6	$70^{-0.030}_{-0.076}$	$68^{0}_{-0.120}$	70x2.5	68x2.5
200	306	$60^{+0.5}_{+0.3}$	76	106	$90^{+0.5}_{+0.3}$	73	30	7	7.5	$90^{-0.036}_{-0.090}$	$88^{0}_{-0.140}$	90x3.0	88x3.0
400	360	$70^{+0.5}_{+0.3}$	86	116	$112^{+0.5}_{+0.3}$	83	35	8.5	8.5	$100^{-0.036}_{-0.090}$	$99^{0}_{-0.140}$	100x3.0	100x3.0
1000	500	$150^{+0.5}_{+0.3}$	180	222	$124^{+0.5}_{+0.3}$	145	35	15	10	$140^{-0.043}_{-0.106}$	$139^{0}_{-0.160}$	140x4.0	140x4.0

Installation example



Vishay Nobel AB
Box 423, SE-691 27 Karlskoga, Sweden
Phone +46 586 63000 · Fax +46 586 63099
info.se@vishaynobel.com · www.vishaynobel.com