BLH Nobel load cell **KIS-11**

available with certification • ATEX • OIML • IECEx

General information

PWS2420261128

The BLH NOBEL KIS-11 load cell is extremely precise and robust, it withstands very high lateral forces and it is easy to install.The KIS 11 cell has a movable loading point and a 10 meter 4-wire shielded cable. The KIS-11 load cell is used in batching, mixing and melting systems, in complex weighing processes, in reactor weighing and in force measurement systems. The load cell BLH NOBEL KIS-11 is also available for extreme temperature from - 40 to + 100 °C.



Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

Weight Transmitter UWT 6008

Weight Transmitter DAT 1400

Weight Indicator MCT 1302

Tester 1008 TESTER 1008

Junction Box CGS4-C

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

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Industrial Electronic Weighing Systems since 1963

Technical specifications

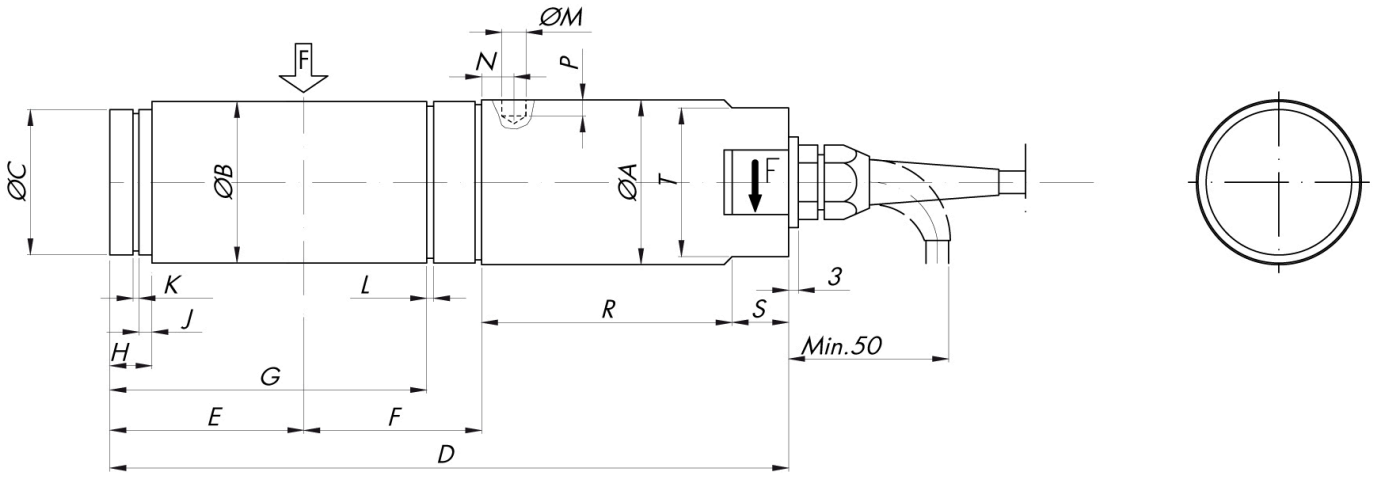
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Rated load RL:	50 kN
Combined error:	±0.02 % RO
Repeatability:	0.01 % RO
Creep (30 minutes):	±0.04 % RL
Safe overload:	100 % RL
Ultimate overload:	200 % RL
Safe sideload:	100 % RL
Ultimate sideload:	200 % RL
Material:	Stainless steel
Degree of protection:	IP67
Temperature range:	-40 ÷ +80 (+100 optional) °C
Temperature effect on zero balance:	±0.0014 % RO/°C
Temperature effect on output:	±0.0010 % on output/°C
Rated output RO:	1.020 mV/V ±0.1 %
Zero balance:	±1 % RO
Insulation resistance:	> 4 G Ohm
Input resistance:	350 ±3 Ohm
Output resistance:	350 ±0.5 Ohm
Recommended input:	5 Vdc/ac
Maximum supply voltage:	18 Vdc/ca
Material (accessories):	Yellow chromate steel

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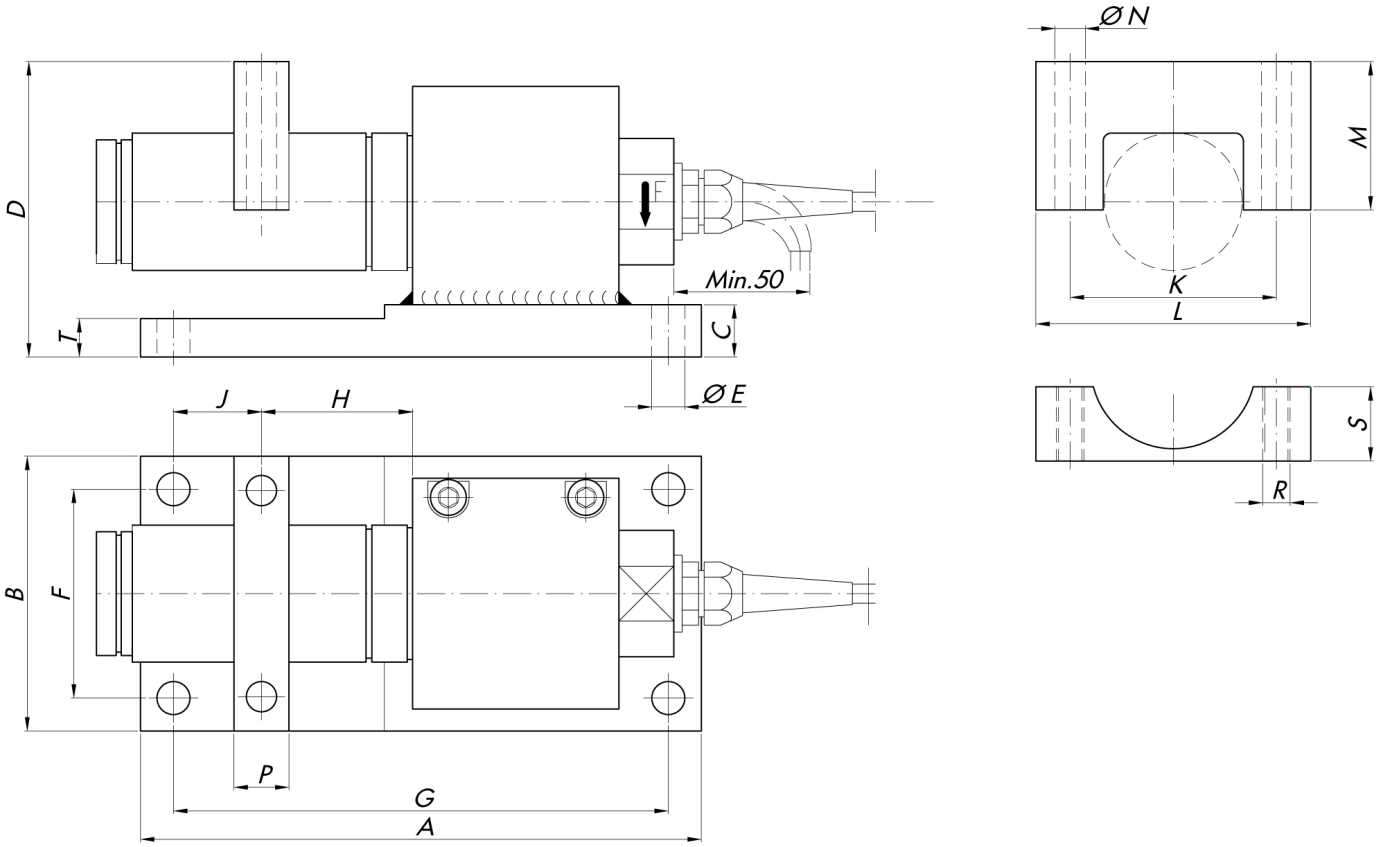
RANGE kN	ØA	ØB	ØC	D	E	F	G	H	J	K	L	ØM	N	P	R	S	T
50	77	75	70	291	93	65	141.3	12	5	2.65	2.65	9.1	14	7	110	20	60
100	92	90	82	315	107	65	155.4	15	6	2.65	3.15	12.6	17	8	120	20	70
125	92	90	82	315	107	65	155.4	15	6	2.65	3.15	12.6	17	8	120	20	70
200	101	100	90	346	128	65	175.8	15	6	3.15	3.15	15.7	19	8.5	130	20	80

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RANGE kN	A	B	C	D	ØE	F	G	H	J	K	L	M	ØN	P	T	R	S
50	280	150	30	152	16	115	245	65	45.5	115	150	72	18	30	30	M16	43
100	310	170	40	173	22	130	270	65	63	126	160	85	22	40	26	M20	50
125	310	170	40	173	22	130	270	65	63	126	160	85	22	40	26	M20	50
200	340	180	50	199	25	140	300	65	71	146	190	95	25	50	32	M24	56

RANGE kN	K	L	M	ØN	R	S	P
50	125	160	84.5	18	M16	33	30
100	150	190	92.5	22	M20	46	40
125	150	190	92.5	22	M20	46	40
200	175	220	105	26	M24	56	53

* Teflon lined yoke

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