Load Cell

FEATURES

- Suitable for force measurement applications
- Simple installation
- The cylindric shape makes it easy to replace an axis
- Resistant against harsh environment
- Could be adapted for other dimensions and capacities
- Atex approved for hazardous areas

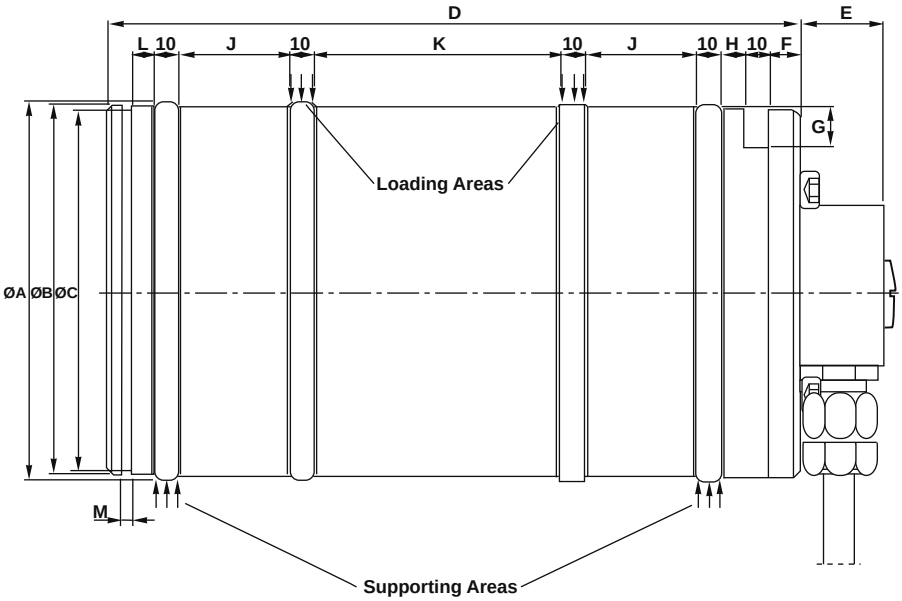
DESCRIPTION

Double-ended shear beam with circular cross section.

APPLICATIONS

- Offshore
- Cranes
- Tension measurement
- Level monitoring

OUTLINE DIMENSIONS



LOAD CELL	RANGE kN	ØA	ØB	ØC	D	E	F	G	H	J	K	L	M
KOSD-101	1000	99	97	94.5	352	38	10	9.5	3	40	183	3	3.15
KOSD-107	1000	99	97	94.5	189	38	10	9.5	3	40	20	3	3.15
KOSD-115	2000	130	127.5	124	279	38	10	15	9.5	45	100	9.5	4.15

SPECIFICATIONS

Rated load (R.L.)		1000, 2000	kN
Combined error (Best fit through zero)		±1	% of R.O.
Repeatability		0.5	% of R.O.
Overload (referred to recommended loading point)	**safe**	100	% of R.L.
	ultimate	200	% of R.L.
Side load (referred to recommended loading point)	**safe**	100	% of R.L.
	ultimate	200	% of R.L.
Input voltage	**recommended**	10	V DC or AC
	maximum	18	V DC or AC
Input resistance		700±5	ohm
Output resistance		700±5	ohm
Rated output (R.O.)		≈2	mV/V
Zero balance		±5	% of R.O.
Tolerance of shunt calibration values		±1	% of value (actual output listed on unit calibration sheet)
Temperature range		-30 to +70	°C
Temperature effect	**on output**	+0.04	% of output/°C
	on zero balance	±0.04	% of R.O./°C
Insulation resistance at 200V DC		>4	Gohm
Material		Stainless steel	
Hardness		350±20	HB
Electrical connection		10m shielded four conductor cable	
Degree of protection		IP 67	
ATEX certified versions for use in explosive atmospheres are available upon request: II 1GD.			

INSTALLATION EXAMPLES