

Type HXS Load Cell



Short Description

- Stainless steel IP68 shear beam load cell
- Hermetically sealed
- Suitable for pallet, platform and small hopper scales.
- High accuracy
- Current calibrated (sc-option)



Test certificate no. TC7868 Revision 1
C of C no R60/2000-NL1-12.50
Certificate no. 06-089A1

Available Models

P/N	Capacity	Accuracy	Full Article Description
72208420	5kg	C3/C4	HXS-C3/C4/-5kg-4B
72208421	10kg	C3/C4	HXS-C3/C4/-10kg-4B
72208422	20kg	C3/C4	HXS-C3/C4/-20kg-4B
72208423	30kg	C3/C4	HXS-C3/C4/-30kg-4B
72208424	50kg	C3/C4	HXS-C3/C4/-50kg-4B
72208425	75kg	C3/C4	HXS-C3/C4/-75kg-4B
72208426	100kg	C3/C4	HXS-C3/C4/-100kg-4B
72208427	200kg	C3/C4	HXS-C3/C4/-200kg-4B
72208428	250kg	C3/C4	HXS-C3/C4/-250kg-4B
72208429	300kg	C3/C4	HXS-C3/C4/-300kg-4B
72208430	500kg	C3/C4	HXS-C3/C4/-500kg-4B
72208431	1000kg	C3/C4	HXS-C3/C4/-1000kg-4B

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Technical Specifications HXS

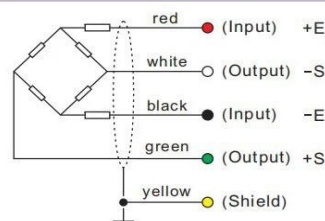
Accuracy Class		C3	OIML R60 C3	OIML R60 C4
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum Capacity (Emax)	kg	5,10,20,30,50,75,100,200,250,300,500,1t		
Max. Number of Load Cell Intervals	nLC	3000	3000	4000
Ratio of min. LC Verification Interval	$Y = E_{max} / v_{min}$	10000	10000	15000
Combined Error	%FS	≤ ± 0.020	≤ ± 0.020	≤ ± 0.018
Minimum dead load	Of Emax	0%		
Safe overload	of Emax	150 %		
Ultimate overload	of Emax	300 %		
Zero balance	of FS	< ± 2.0 %		
Excitation, recommended voltage	V	5 ~ 12		
Excitation maximum	V	18		
Input resistance	Ω	385 ± 20		
Output resistance	Ω	350 ± 3.5		
Insulation resistance	MΩ	≥ 5000 (at 50VDC)		
Compensated temperature	°C	-10 ~ +40		
Operating temperature	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +80		
Element material		Stainless steel		
Ingress Protection (acc. to EN 60529)		IP68/69		
Recommended torque on fixation bolts	Nm	M8: 25 M10: 50		
ATEX classification (optional)		II1G Ex ia II1C T4 II1D Ex iaD 20 T73°C II3G nL IIC T4		

Wiring

Features:

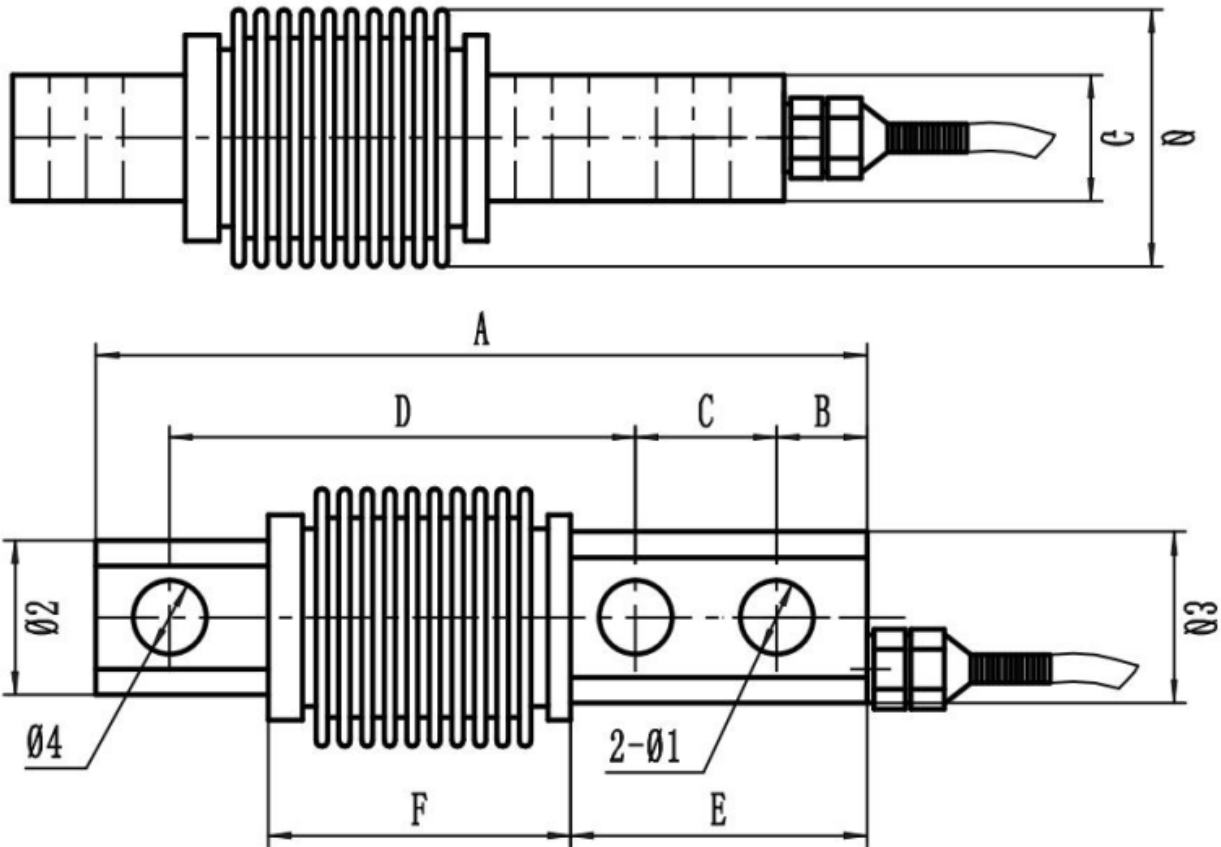
Shielded, 4 conductor cable.
Cable diameter: Ø5.3mm.
Standard cable length for 50kg – 2t: 3m and for 2t – 10t: 6m
cable length for (50kg-10t : 6m)
Shield connected to element.
Cable jacket in PVC.

Mode of Connection



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Dimensions in mm



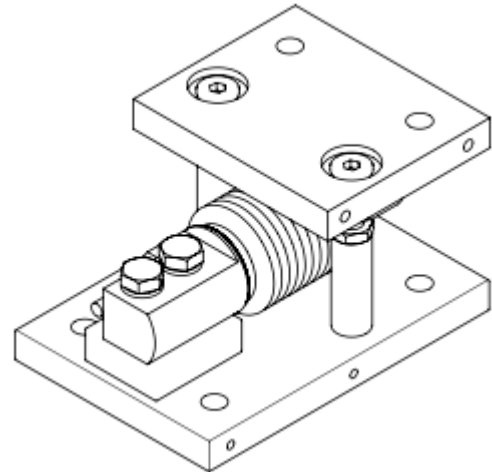
Range kg	A	B	C	D	E	F	G	H	φ	Φ 1	Φ 2	Φ 3	Φ 4
5-300	123	13	18	82	43	54	20	20	45	8.2	27	32	8.2
500-1000	123	13	18	82	43	54	20	20	45	10.5	27	32	10.5

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Available accessories

HXS-401-5-500kg mount

- Stainless steel mount
- Easy load cell access
- Self-aligning construction
- Lift-off protection
- Controlled horizontal movement



HXS-220-5-500kg foot

- Stainless steel
- Elastomer foot
- Adjustable height

