

# B8D



- Stainless steel IP67 shear beam load cell (250kg is bending beam load cells)
- Suitable for floor scales, automobile test facilities, hopper scales and other weighing devices.
- Current calibrated (sc-option)



OIML test certificate no. TC8010 Revision 0 and D09-05.19  
C of C no R60/2000-NL1-11.28 and R60/2000-CN1-06.05

ATEX Certificate no. 12-022

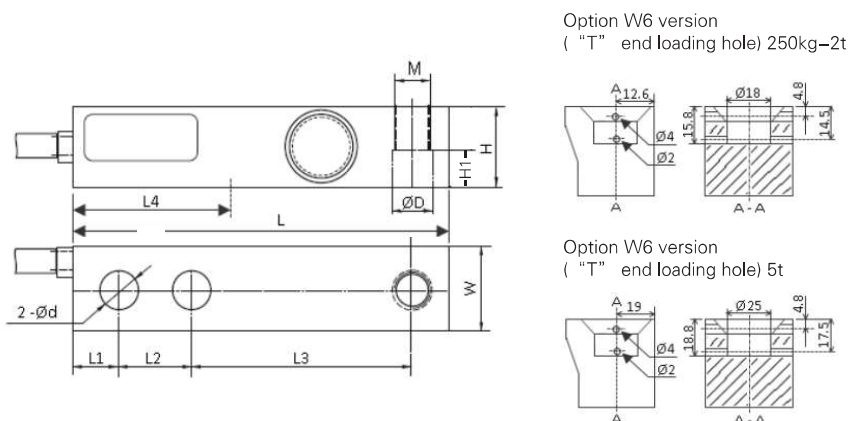
### Available models

Capacity	Accuracy	Full article description
250 kg	C3/C4/C5	B8D-C3/C4/C5-250kg-6B(-W6)
0.5 t	C3/C4/C5	B8D-C3/C4/C5-500kg-6B(-W6)
1 t	C3	B8D-C3-1t-6B(-W6)
2 t	C3	B8D-C3-2t-6B(-W6)
5 t	C3	B8D-C3-5t-6B(-W6)

### Specification

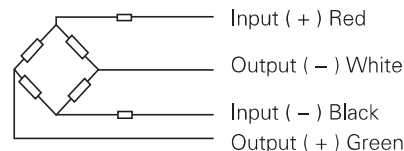
Accuracy class	Output sensitivity (= FS)	OIML R60 C3			OIML R60 C4	OIML R60 C5
		t	0.25	0.5, 1, 2	5	0.25, 0.5
Maximum capacity ( Emax )	mV/V	3.0 ± 0.008				
Maximum number of load cell intervals ( nLC )	t	3000			4000	5000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	7500	9000	10000	10000
Combined error	%FS	± 0.0230			± 0.0175	± 0.0140
Safe overload	of Emax	150 %				
Ultimate overload	of Emax	300 %				
Zero balance	%FS	± 1.0				
Excitation, recommended voltage	V	5 ~ 12( DC )				
Excitation maximum	V	18( DC )				
Terminal resistance, input	Ω	350 ± 3.5				
Terminal resistance, output	Ω	350 ± 3.5				
Insulation impedance	MΩ	≥ 5000 ( at 50VDC )				
Temperature range, compensated	°C	-10 ~ +40				
Temperature range, operating	°C	-35 ~ +65				
Storage temperature	°C	-40 ~ +70				
Element material		Stainless steel				
Recommended torque on fixation bolts	N.m	M12: 75		M20:450		
Ingress Protection (according to EN 60529)		IP67				
ATEX classification (optional)		II1G Ex ia IIC T4		II1D Ex iaD 20 T73°C C		II3G Ex nL IIC T4

### Dimensions in mm



Dimension Capacity	L	L1	L2	L3	d	H	W	D	H1	M
0.25t	130 (5.12)	15.7 (0.62)	25.4 (1.0)	76.2 (3.0)	13.46 (0.53)	28.4 (1.12)	30.7 (1.20)	13.4 (0.53)	14.22 (0.56)	M12
0.5t - 2t	130 (5.12)	15.7 (0.62)	25.4 (1.0)	76.2 (3.0)	13.46 (0.53)	31.32 (1.23)	31.32 (1.23)	13.4 (0.53)	15.75 (0.62)	M12
5t	171 (6.73)	19 (0.75)	38.1 (1.5)	95.2 (3.75)	20.65 (0.81)	36.8 (1.45)	36.8 (1.45)	20.65 (0.81)	19.05 (0.75)	M20X2.5

### Wiring



- Shielded, 4 conductor cable
- Cable diameter: Φ5mm.
- Standard cable length: 6m
- Shield in not connected to the element.