

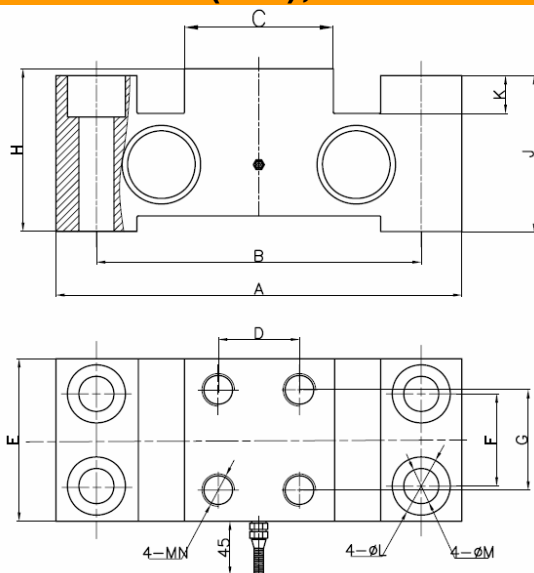
Type BY550 is a special type, steel construction double ended shear beam loadcell and has been specifically designed for the steel embody scale, overhead crane scale , on board weighing ,ship and melting top weighing, etc. applications.



Key features;

- Capacities; 10 ~ 50 tons
- Steel construction
- High accuracy
- Protection IP68

Dimensions (mm);



Capacity	A	B	C	D	E	F	G	H	J	K	D1	D2	D3
10 t	200	170	90	60	80	60	60	60	50	17.5	26	18	M16
20-30 t	300	240	110	60	120	70	70	120	115	30.5	43	26	M24
40-50 t	300	240	110	60	150	70	80	120	115	30.5	43	26	M24

Cable Color Codes

+ Excitation	Blue
- Excitation	Black
+ Signal	White
- Signal	Red
Shield	Yellow

Technical specifications;

Maximum capacity	E_{max}	t	10 / 20 / 30 / 40 / 50
Output sensitivity	RO	mV/V	$1.8 \pm 0.005(10t)$, $2.0 \pm 0.005(20t)$, $1.8 \pm 0.005(40 \sim 50t)$
Temperature effect on zero		%FS / 10°C	≤ 0.02
Temperature effect on sensitivity		%FS / 10°C	≤ 0.02
Combined Error		% E_{max}	< 0.02
Safe load limit / Over load limit		% E_{max}	150 / 300
Zero balance		% RO	$< \pm 1.0$
Excitation ,recommended		V DC	5 - 12
Excitation , maximum		V DC	15
Input resistance		Ω	750 ± 10
Output resistance		Ω	702 ± 10
Insulation impedance		M Ω	≥ 5000 (50 VDC)
Temperature range , compensated		°C	- 10 ... + 40
Temperature range , operating		°C	- 30 ... + 70
Material			Alloy Steel
Protection class			IP68
Cable			Length 16 m /dia. 6 mm

(Properties are subject to change without notification. 07 / 2012)