

Type BY554 is a special type, steel construction double ended shear beam loadcell and has been specifically designed for the high fatigue stresses, on board weighing, ship and melting top weighing, etc. applications.

Type BY554HT type designed for high temperatures up to 200°C degress.

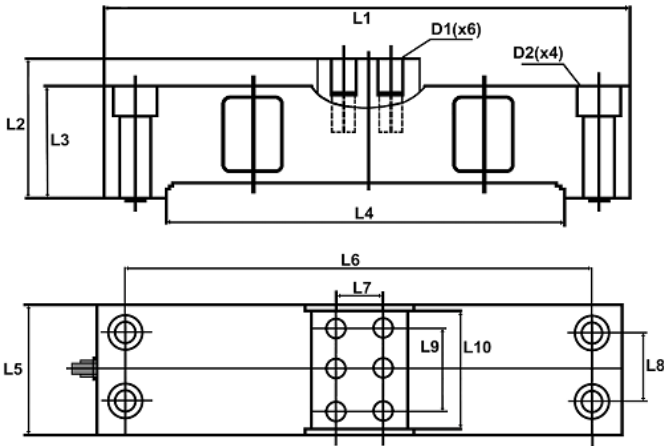


HT Type with connector

Key features;

- Capacities; 50 ~ 200 tons
- Stell construction
- High accuracy
- Protection IP68
- HT type for 150°C -200°C

Dimensions (mm);



Capacity	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	D1	D2
50 t	450	130	105	340	120	398	40	68	75	110	M20 ↓ 30	38
100 t	500	143	118	370	140	444	44	80	90	130	M24 ↓ 36	44
150 t	560	158	133	410	160	500	44	94	102	150	M24 ↓ 36	48
200 t	620	175	150	450	180	560	44	114	110	160	M24 ↓ 40	48

Cable Color Codes

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

Technical specifications;

Type			BY554	BY554 HT
Maximum capacity	E_{max}	t	50 / 100 / 150 / 200	
Output sensitivity	R0	mV/V	2.0 ± 0.003	
Temperature effect on zero		%FS / 10°C	≤ 0.03	
Temperature effect on sensitivity		%FS / 10°C	≤ 0.02	
Combined Error		% E_{max}	< 0.03	< 0.1
Safe load limit / Over load limit		% E_{max}	120 / 200	
Zero balance		% R0	$< \pm 1.0$	
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	- 35 ... + 200
Temperature range , operating		°C	- 35 ... + 65	- 10 ... + 150
Material			Stell	
Protection class			IP68	
Cable			Length 16 m Dia. 6 mm	Heat resistant special cable with industrial connector connection