

JRT

Load Cell

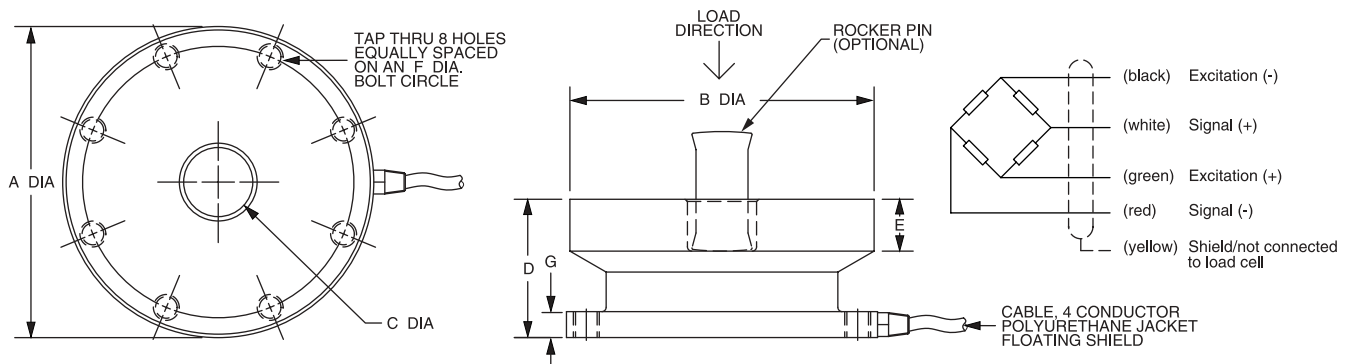


Special Features

- Robust steel construction
- Low profile
- Rockerpin load introduction
- Corrosive resistant paint
- Environmentally sealed
- NTEP certified

Dimensions: inch (mm)

RSC CAPACITY	A	B	C	D	E	F	G	TAP THRU	Cable Length ft (m)
20K	4.50 (114.3)	4.416 (112.2)	1.00 (25.4)	2.00 (50.8)	0.75 (19.1)	3.925 (99.7)	0.50 (12.7)	3/8-24 UNF	35 (10.67)
50K	5.50 (139.7)	5.416 (137.6)	1.50 (38.1)	2.50 (63.5)	1.00 (25.4)	4.761 (120.9)	0.50 (12.7)	7/16-20 UNF	35 (10.67)
75K	5.50 (139.7)	5.416 (137.6)	1.50 (38.1)	2.50 (63.5)	1.00 (25.4)	4.761 (120.9)	0.50 (12.7)	7/16-20 UNF	35 (10.67)
100K	5.50 (139.7)	5.416 (137.6)	1.50 (38.1)	2.63 (66.8)	1.13 (28.7)	4.761 (120.9)	0.50 (12.7)	7/16-20 UNF	35 (10.67)
150K	6.00 (152.4)	5.916 (150.3)	2.00 (50.8)	3.40 (86.4)	1.50 (38.1)	5.300 (134.6)	0.50 (12.7)	1/2-20 UNF	35 (10.67)
200K	6.00 (152.4)	5.916 (150.3)	2.00 (50.8)	3.40 (86.4)	1.50 (38.1)	5.300 (134.6)	0.50 (12.7)	1/2-20 UNF	35 (10.67)



Specifications

Model Type		JRT					
Accuracy class		NTEP CLASS IIII					
Maximum number of load cell intervals (n_{LC})		10000 MULTIPLE					
Maximum capacity (E_{max})	lb	20K	50k	75k	100k	150k	200k
Minimum load cell verification interval (V_{min})	lb	1.2	3	4.5	6	9	12
Sensitivity (C_n)	mV/V	2.0 ± 0.2					
Zero balance		0 ± 0.02					
Temperature effect on zero balance (TK_0)	% of C_n / 10°C	± 0.025					
Temperature effect on sensitivity (TK_c) ¹⁾							
Temperature range +20...+40°C [+70...+105°F] -10...+20°C [+15...+70°F]		± 0.012 ± 0.008					
Hysteresis error (d_{hy}) ¹⁾	% of C_n	± 0.03					
Non-linearity (d_{lin}) ¹⁾		± 0.03					
Creep (d_{cr}) over 30 min.		± 0.035					
Input resistance (R_{LC})	Ω	750 min					
Output resistance (R_O)		700 ± 5					
Reference excitation voltage (U_{ref})	V	5					
Maximum excitation voltage (U_{max})		15					
Insulation resistance (R_{is})	GΩ	5					
Nominal temperature range (B_T)	°C [°F]	-10...40 [14...104]					
Service temperature range (B_{tu})		-15...70 [5...158]					
Storage temperature range (B_{tl})		-15...85 [5...185]					
Safe load limit (E_L)	% of E_{max}	150					
Ultimate load limit (E_d)		300					
Lateral load limit (E_{lq})		100					
Permissible dynamic load (F_{srel}) (vibration amplitude according to DIN 50100)		70					
Deflection at E_{max} (S_{nom}), approx.	in	0.006	0.007	0.007	0.007	0.007	0.008
Weight, approx.	lbs	3	4	4	4	12	12
Protection class to EN60529 (IEC529)		IP67					
Material: Measuring element		Steel					
Cable Fitting Seal		Neoprene					
Cable Sheath		Polyurethane					
Coating/Plating		Corrosive Resistant Paint					

¹⁾ The sum of data for Non-linearity, Hysteresis and Temperature effect on sensitivity meets the requirements of NTEP HB44



Due to continuous improvement, dimensions and specifications are subject to change without notice. All details describe our products in general form only. They are not to be understood as express warranty and do not constitute any liability whatsoever. Please request certified drawings before designing mountings or fixtures.

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