

Rated Capacities 量程:
1,000 lb...20,000 lb/250kg...10,000kg

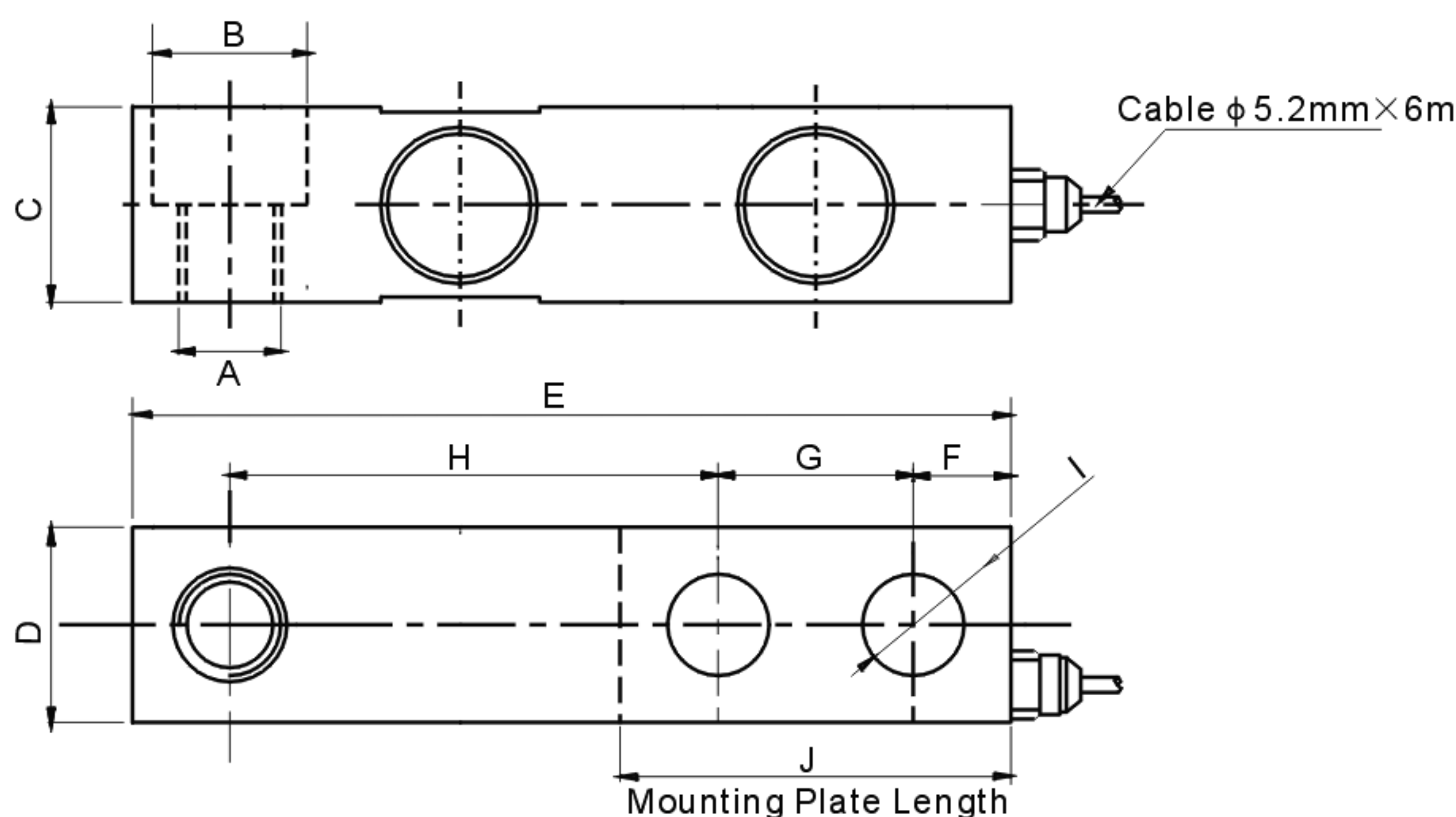


563YS30

Special features 特點:

- High accuracy regulations up to 5 000d for scales class III
高精度，符合 III 級秤要求
- Stainless steel, welded-seal construction, protection to IP68
不銹鋼焊封結構，防護等級 IP68
- Harsh environment or food industry
惡劣工況或食品工業適用
- Hazardous area approved to Ex ib II CT4
危險環境使用，防爆 (Ex ib II CT4) 級
- Available Options 可選:
 - Service temperature range up to 120°C [248°F] 耐溫120°C [248°F]
 - Available with metric thread and UNC thread 公制和英制螺紋可選
 - 6-wire circuit 六綫制

Dimensions 尺寸(in inches; 1 inch = 25.4mm)



Rated Capacity	A	B	C	D	E	F	G	H	I	J
lb/inches										
1,000...4,000; SE-5,000	1/2-20 UNF-2B	0.53	1.22	1.22	5.12	0.62	1.00	3.00	0.53	2.25
5,000...10,000	3/4-16 UNF-2B	0.78	1.50	1.50	6.75	0.75	1.50	3.75	0.78	3.00
15,000...20,000	1-14 UNS-2B	1.03	2.00	2.00	8.75	1.00	2.00	4.75	1.03	4.00
kg/mm										
250...2,000	M12×1.75	13.5	31.0	31.0	130.0	15.8	25.4	76.20	13.5	57.20
3,000; 5,000	M18×1.50	20.0	38.1	38.1	171.5	19.1	38.1	95.30	20.0	76.20
10,000	M24×2.00	26.2	50.8	50.8	222.3	25.4	50.8	120.7	26.2	101.6

Technical Data 技術參數

Type 型號		563YS30		
Accuracy class according to NTEP 準確度等級		C3 / NTEP 1:5 000 Class III , Multiple Cell		
Maximal numbers of load cell verification intervals (n _{Lc}) 最大檢定分度數		3 000 / 5 000		
Rated capacity 量程	lb/kg	1,000;1,500; 2,500;4,000; SE-5,000/250; 500;1,000;2,000	5,000; 10,000/ 3,000; 5,000	15,000; 20,000/ 10,000
Weight (G), approx. 傳感器毛重	kg	1	1.8	4.1
Minimum load cell verification interval (V _{min}) 最小檢定分度值	% of C _n	0.02		
Sensitivity (C _n) 靈敏度	mV/V	3 ± 0.25%		
Zero balance 零位輸出	mV/V	± 0.06		
Temperature effect on sensitivity (TK _c) 溫度對靈敏度的影響 *	% of C _n /K	< ± 0.0012		
Temperature effect on zero balance (TK _o) 溫度對零位元輸出的影響	% of C _n /K	< ± 0.0040		
Non-linearity (d _{lin}) 非線性 *	%	< ± 0.023		
Repeatability (d _{rep}) 重復性 *	%	< ± 0.023		
Hysteresis error (d _{hy}) 滯後誤差 *	%	< ± 0.023		
Creep (d _{DR}) in 30 min. 蠕變	%	< ± 0.030		
Input resistance (R _{Lc}) [Red(+)-black(-)] 輸入阻抗 [紅(+)-黑(-)]	Ω	350 ± 7		
Output resistance (R _o) [Green(+)-white(-)] 輸出阻抗 [綠(+)-白(-)]	Ω	352 ± 3		
Reference excitation voltage (U _{ref}) 推薦激勵電壓	V(DC/AC)	0.5...10		
Maximal excitation voltage 最大允許激勵電壓	V(DC/AC)	15		
Insulation resistance (R _{is}) 絕緣阻抗	GΩ	>2 [50 VDC]		
Nominal temperature range 正常工作溫度範圍	°C [°F]	-10...+40 [15...+105]		
Service temperature range 允許工作溫度範圍	°C [°F]	-18...+65 [0...+150]		
Storage temperature range 存放溫度範圍	°C [°F]	-50...+85 [-60...+185]		
Safe load limit (EL) 安全極限載荷	% of C _n	150		
Breaking load (Ed) 破壞極限載荷	% of C _n	300		
Protection class (IP) acc. to IEC529 防護等級(國際電工委員會IEC529標準)		IP68		
Material 彈性元件材料		Stainless Steel 17-4PH 不銹鋼		
Optionally 可使用場合		Explosion proof version (Ex ib II CT4) 防爆(Ex ib II CT4)級		

* The data for deviation of linearity, repeatability, hysteresis error and temperature effect on sensitivity are typical values. The sum of these data meets the requirements according to NTEP 1:5 000 Class III , Multiple Cell
非線性, 重復性, 滯後誤差和溫度對靈敏度輸出的影響等參數為典型的參數, 以上參數最終符合NTEP 1:5 000 Class III , Multiple Cell 誤差帶的要求。