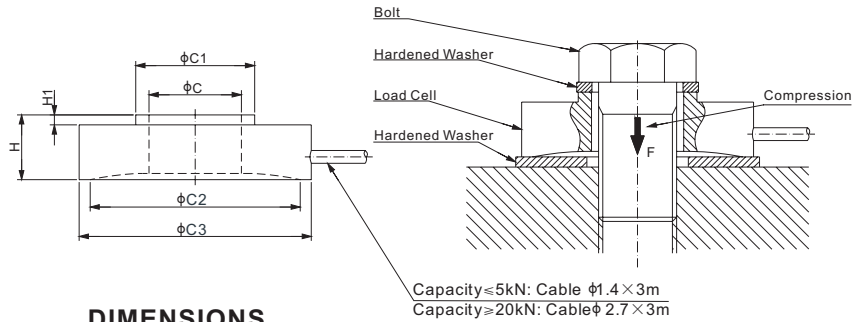


Stainless Steel



DIMENSIONS

| RATED CAPACITY | Screw Size | C | C1 | C2 | C3 | H | H1 |
|-----------------|------------|------|------|------|------|------|------|
| N/mm | | | | | | | |
| 50-100 | M3 | 3.5 | 7.5 | 22.0 | 25.4 | 7.1 | 1.1 |
| 500 | M6 | 6.8 | 11.0 | 22.0 | 25.4 | 7.1 | 1.1 |
| 5,000 | M10 | 10.1 | 13.0 | 23.0 | 25.4 | 7.1 | 1.1 |
| 20,000 | M12 | 13.2 | 21.0 | 31.0 | 38.1 | 12.7 | 1.0 |
| 20,000 | M16 | 16.7 | 21.0 | 31.0 | 38.1 | 12.7 | 1.0 |
| 50,000 | M10 | 10.1 | 20.0 | 42.0 | 50.8 | 16.0 | 1.0 |
| 50,000 | M12 | 13.2 | 20.0 | 42.0 | 50.8 | 16.0 | 1.0 |
| 50,000 | M16 | 16.7 | 22.0 | 42.0 | 50.8 | 16.0 | 1.0 |
| 100,000 | M20 | 20.3 | 33.0 | 61.0 | 76.2 | 25.4 | 2.0 |
| 100,000 | M26 | 26.2 | 40.0 | 61.0 | 76.2 | 25.4 | 2.0 |
| 100,000 | M32 | 32.5 | 42.0 | 61.0 | 76.2 | 25.4 | 2.0 |
| 200,000 | M20 | 20.3 | 33.0 | 61.0 | 76.2 | 25.4 | 2.0 |
| 200,000 | M26 | 26.2 | 40.0 | 61.0 | 76.2 | 25.4 | 2.0 |
| 200,000 | M32 | 32.5 | 42.0 | 61.0 | 76.2 | 25.4 | 2.0 |
| N/inches | | | | | | | |
| 50-100 | 1/8 | 0.14 | 0.30 | 0.87 | 1.00 | 0.28 | 0.04 |
| 500 | 1/4 | 0.27 | 0.43 | 0.87 | 1.00 | 0.28 | 0.04 |
| 5,000 | 3/8 | 0.40 | 0.51 | 0.91 | 1.00 | 0.28 | 0.04 |
| 20,000 | 1/2 | 0.52 | 0.83 | 1.22 | 1.50 | 0.50 | 0.04 |
| 20,000 | 5/8 | 0.66 | 0.83 | 1.22 | 1.50 | 0.50 | 0.04 |
| 50,000 | 3/8 | 0.40 | 0.79 | 1.65 | 2.00 | 0.63 | 0.04 |
| 50,000 | 1/2 | 0.52 | 0.79 | 1.65 | 2.00 | 0.63 | 0.04 |
| 50,000 | 5/8 | 0.66 | 0.87 | 1.65 | 2.00 | 0.63 | 0.04 |
| 100,000 | 3/4 | 0.80 | 1.30 | 2.40 | 3.00 | 1.00 | 0.08 |
| 100,000 | 1 | 1.03 | 1.57 | 2.40 | 3.00 | 1.00 | 0.08 |
| 100,000 | 1-1/4 | 1.28 | 1.65 | 2.40 | 3.00 | 1.00 | 0.08 |
| 200,000 | 3/4 | 0.80 | 1.30 | 2.40 | 3.00 | 1.00 | 0.08 |
| 200,000 | 1 | 1.03 | 1.57 | 2.40 | 3.00 | 1.00 | 0.08 |
| 200,000 | 1-1/4 | 1.28 | 1.65 | 2.40 | 3.00 | 1.00 | 0.08 |

SPECIFICATIONS

| | | | |
|-------------------|---|---------------------------|---|
| Full Scale Output | Cap. $\leq 50\text{N}$: 1.0 mV/V $\pm 20\%$; Cap. $> 50\text{N}$: 2.0 mV/V $\pm 20\%$ | Element Material | 17-4PH Stainless Steel |
| | | Recommended Excitation | 10V (15V Maximum) |
| Zero Balance | ± 0.02 mV/V | Insulation Resistance | $> 2 [50\text{V DC}] \text{ G}\Omega$ |
| Non-linearity | $< \pm 0.5\%$ | Nominal Temperature Range | -10°C to 40°C / 14°F to 104°F |
| Repeatability | $< \pm 0.5\%$ | Safe Overload | 150% of full scale |
| Hysteresis Error | $< \pm 0.5\%$ | Breaking Overload | 300% of full scale |
| Creep in 30 min. | $< \pm 0.5\%$ | Seal Type / IP Rating | Environmentally Sealed / IP66 |
| Input Resistance | $700\Omega \pm 25$ | Cable Color Code | Exc+ Red Exc- Black |
| Output Resistance | $700\Omega \pm 3$ | | Sig+ Green Sig- White Shield Bare |

PART NUMBER*

| Rated Capacity | Screw Size | Part No. | Weight Approx. (kg) |
|----------------|-----------------|-------------------|---------------------|
| 50N..... | M3 or 1/8..... | 296ASA1-50N..... | 0.03 |
| 100N..... | M3 or 1/8..... | 296ASA1-100N..... | 0.03 |
| 500N..... | M6 or 1/4..... | 296ASA2-500N..... | 0.03 |
| 5kN..... | M10 or 3/8..... | 296ASA3-5kN..... | 0.03 |
| 20kN..... | M12 or 1/2..... | 296ASB1-20kN..... | 0.11 |
| | M16 or 5/8..... | 296ASB2-20kN..... | 0.11 |
| 50kN..... | M10 or 3/8..... | 296ASC1-50kN..... | 0.25 |
| | M12 or 1/2..... | 296ASC2-50kN..... | 0.25 |
| | M16 or 5/8..... | 296ASC3-50kN..... | 0.25 |

PART NUMBER*

| Rated Capacity | Screw Size | Part No. | Weight Approx. (kg) |
|----------------|-------------------|--------------------|---------------------|
| 100kN..... | M20 or 3/4..... | 296ASD1-100kN..... | 0.9 |
| | M26 or 1..... | 296ASD2-100kN..... | 0.9 |
| | M32 or 1-1/4..... | 296ASD3-100kN..... | 0.9 |
| 200kN..... | M20 or 3/4..... | 296ASE1-200kN..... | 0.9 |
| | M26 or 1..... | 296ASE2-200kN..... | 0.9 |
| | M32 or 1-1/4..... | 296ASE3-200kN..... | 0.9 |

* ATEX, FM, IECEx approved versions carry the "-Ex" suffix.

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