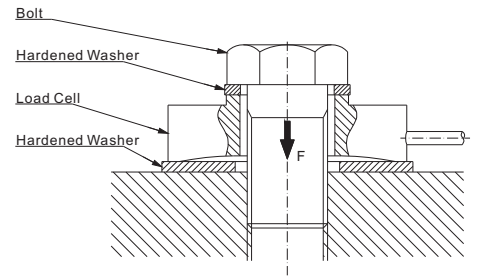
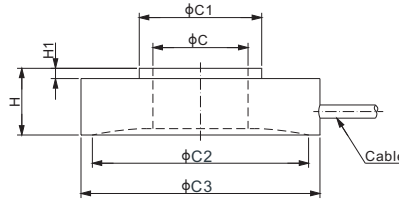


# 296AS



## Stainless Steel



### CE RoHS

RATED CAPACITY	Screw Size	C	DIMENSIONS			H	H1	Cable
			C1	C2	C3			
<b>N/mm</b>								
50-100	M3	3.5	7.5	22.0	25.4	7.1	1.1	φ1.4X3m
500	M6	6.8	11.0	22.0	25.4	7.1	1.1	φ1.4X3m
5,000	M10	10.1	13.0	23.0	25.4	7.1	1.1	φ1.4X3m
20,000	M12	13.2	21.0	32.0	38.1	12.7	1.0	φ2.7X3m
20,000	M16	16.7	21.0	32.0	38.1	12.7	1.0	φ2.7X3m
50,000	M10	10.1	20.0	42.0	50.8	16.0	1.0	φ2.7X3m
50,000	M12	13.2	20.0	42.0	50.8	16.0	1.0	φ2.7X3m
50,000	M16	16.7	22.0	42.0	50.8	16.0	1.0	φ2.7X3m
100,000	M20	20.3	33.0	61.0	76.2	25.4	2.0	φ2.7X3m
100,000	M26	26.2	40.0	61.0	76.2	25.4	2.0	φ2.7X3m
100,000	M32	32.5	42.0	61.0	76.2	25.4	2.0	φ2.7X3m
<b>N/inches</b>								
50-100	1/8	0.14	0.30	0.87	1.00	0.28	0.04	φ1.4X3m
500	1/4	0.27	0.43	0.87	1.00	0.28	0.04	φ1.4X3m
5,000	3/8	0.40	0.51	0.91	1.00	0.28	0.04	φ1.4X3m
20,000	1/2	0.52	0.83	1.26	1.50	0.50	0.04	φ2.7X3m
20,000	5/8	0.66	0.83	1.26	1.50	0.50	0.04	φ2.7X3m
50,000	3/8	0.40	0.79	1.65	2.00	0.63	0.04	φ2.7X3m
50,000	1/2	0.52	0.79	1.65	2.00	0.63	0.04	φ2.7X3m
50,000	5/8	0.66	0.87	1.65	2.00	0.63	0.04	φ2.7X3m
100,000	3/4	0.80	1.30	2.40	3.00	1.00	0.08	φ2.7X3m
100,000	1	1.03	1.57	2.40	3.00	1.00	0.08	φ2.7X3m
100,000	1-1/4	1.28	1.65	2.40	3.00	1.00	0.08	φ2.7X3m

### SPECIFICATIONS

<b>Full Scale Output</b>	Cap. ≤50N: 1.0 mV/V ± 20%; Cap. >50N: 2.0 mV/V ± 20%	<b>Insulation Resistance</b>	>2 [ 50V DC ] GΩ
<b>Zero Balance</b>	± 0.02 mV/V	<b>Nominal Temperature Range</b>	-10°C to 40°C / 14°F to 104°F
<b>Non-linearity</b>	< ± 0.5%	<b>Safe Overload</b>	150% of full scale
<b>Repeatability</b>	< ± 0.5%	<b>Breaking Overload</b>	300% of full scale
<b>Hysteresis Error</b>	< ± 0.5%	<b>Seal Type / IP Rating</b>	Environmentally Sealed / IP66
<b>Creep in 30 min.</b>	< ± 0.5%	<b>Cable Color Code</b>	Cap. ≤5,000N: Exc+ Red Exc- Black Sig+ Green Sig- Yellow Shield Bare Cap. >5,000N: Exc+ Red Exc- Black Sig+ Green Sig- White Shield Bare
<b>Input Resistance</b>	700 Ω ± 25		
<b>Output Resistance</b>	700 Ω ± 3		
<b>Element Material</b>	17-4PH Stainless Steel		
<b>Recommended Excitation</b>	10V (15V Maximum)		

### PART NUMBER

Rated Capacity	Screw Size	Part No.	Weight (kg) Approx.
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
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

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