

535ASM2

Stainless steel load cell + Alloy steel shackle

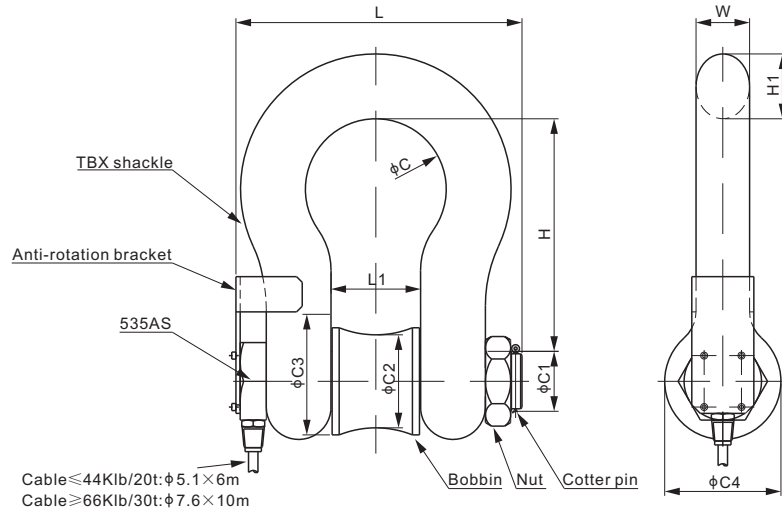


Load Cell Certifications:



Features:

- Load cell and shackle integrated
- High tensile anchor shackle meets ISO2415-2004 requirements
- Bobbin design provides high accuracy and repeatability



DIMENSIONS

LOAD CELL CAPACITY	C	C1	C2	C3	C4	H	H1	L	L1	W
t/mm										
5	43	20	30	34	38	60.5	17.5	101	27	16
10	58.5	30	45	50	60.5	95	27	146	43	25.5
15	74	33	50	55	68.5	108	32	160	46	29.5
20	92	39	58	65	84	133.5	38	186	57	36
30	98.5	42	63	70	92	146	41	205	60.5	39
50	146	60	90	100	122	197	61	295	82.5	53
100	200	85	128	142	165	330	92	436	127	76

SPECIFICATIONS

Full Scale Output	2.5 mV/V $\pm 0.25\%$	Recommended Excitation	10V (15V Maximum)
Zero Balance	$< \pm 0.02$ mV/V	Insulation Resistance	$> 2 [50V DC] G\Omega$
Non-linearity	$< \pm 1\%$	Nominal Temperature Range	-10°C to 50°C / 14°F to 122°F
Repeatability	$< \pm 0.5\%$	Safe Overload	150% of full scale
Hysteresis Error	$< \pm 1\%$	Breaking Overload	300% of full scale
Creep in 30 min.	$< \pm 0.5\%$	Seal Type / IP Rating	Environmentally Sealed / IP67
Input Resistance	350 $\Omega \pm 10$	Cable Color Code	Exc+ Red Exc- Black
Output Resistance	350 $\Omega \pm 3$		Sig+ Green Sig- White
Element Material	Stainless steel		Shield Bare

PART NUMBER

Load cell element material: 2Cr13 stainless steel

Load Cell Capacity	Part No.	Shipping Weight (kg) Approx.
5t.....	535ASM2-5t-YZ.....	1.2
10t.....	535ASM2-10t-YZ.....	3.6
15t.....	535ASM2-15t-YZ.....	5.4
20t.....	535ASM2-20t-YZ.....	9.2
30t.....	535ASM2-30t-YZ.....	7.4
50t.....	535ASM2-50t-YZ.....	17.0
100t.....	535ASM2-100t-YZ.....	63.0

PART NUMBER

Load cell element material: 17-4PH stainless steel

Load Cell Capacity	Part No.	Shipping Weight (kg) Approx.
5t.....	535ASM2-5t.....	1.2
10t.....	535ASM2-10t.....	3.6
15t.....	535ASM2-15t.....	5.4
20t.....	535ASM2-20t.....	9.2
30t.....	535ASM2-30t.....	7.4
50t.....	535ASM2-50t.....	17.0
100t.....	535ASM2-100t.....	63.0