

SPOKE-TYPE FORCE SENSORS (ADVANCED TYPE)

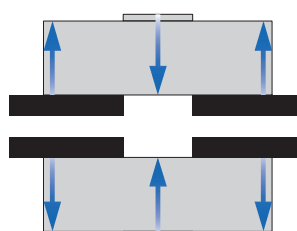
- Spoke-type structure
- High precision and high stability
- Easy and quick installation
- Nickel-plated surface corrosion protection
- Suitable for test machines and etc.

SPECIFICATION

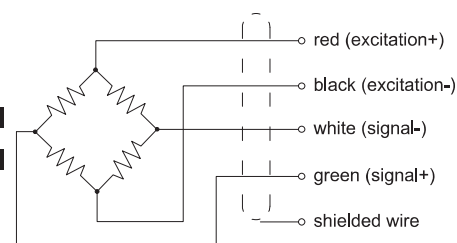
Rated output	3.0±0.25% mV/V
Zero balance	±1% of rated output
Creep	±0.03% of rated output
Nonlinearity	±0.05% of rated output (8656-50T and 8656-100T is ±0.1%)
Hysteresis	±0.05% of rated output (8656-50T and 8656-100T is ±0.1%)
Repeatability	±0.02% of rated output
Sensitivity temperature drift	≤0.0015% of applied output/°C
Zero temperature drift	≤0.0026% of rated output/°C
Range of working temperature	-35~+70°C
Range of compensation temperature	-10~+40°C
Safety overload	150%
Input impedance	385±5Ω (8656-50T is 770±10Ω)
Output impedance	350±3Ω (8656-50T is 700±5Ω)
Insulation impedance	≥5000MΩ (50V DC)
Recommended excitation voltage	10V DC/AC
Maximum excitation voltage	15V DC/AC
Cable specification	3m, TPR cable with shielding mesh



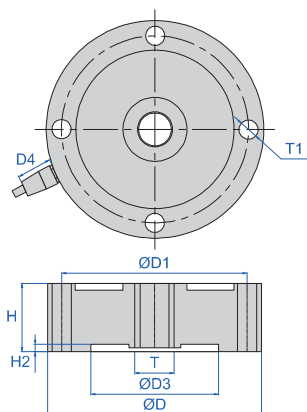
8656-20T



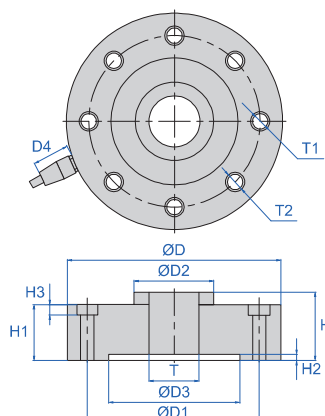
force diagram of sensor



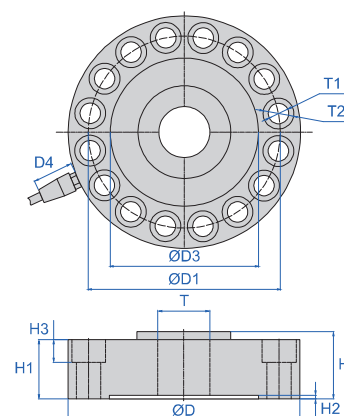
schematic



A型



B型



C型

(mm)

Code	Type (material)	Maximum range	D	D1	D2	D3	D4	H	H1	H2	H3	T	T1	T2
8656-200	type A-4 holes (aluminum)	200kg/2000N	75	65.5	-	56	32	26	-	3	-	M12-6H	4×Ø6.5	-
8656-500	type B-8 holes (alloy steel)	500kg/5000N	90	78	22	65	32	43	40	3	6	M12×1.75	8×Ø6.6	8×Ø10.5
8656-1T		1T/10kN												
8656-1D5T		1.5T/15kN	105	89	32	75	32	35	32	3	7.2	M16×2	8×Ø7.2	8×Ø10.5
8656-2D5T		2.5T/25kN												
8656-5T		5T/50kN	138	110	44	88	32	46	41	3	12	M27×2	8×Ø13.2	8×Ø19
8656-10T		10T/100kN												
8656-20T		20T/200kN	165	130	55	96	32	50	41	3	20	M36×2	8×Ø21	8×Ø31
8656-25T		25T/250kN												
8656-30T		30T/300kN												
8656-50T	type C-16 holes (alloy steel)	50T/500kN	234	194	-	150	32	60	55	4.7	22	M52×2-6H	16×Ø21	16×Ø32
8656-100T		100T/1000kN	258	218	-	174	32	60	57	3	22	M76×2	16×Ø21	16×Ø32