

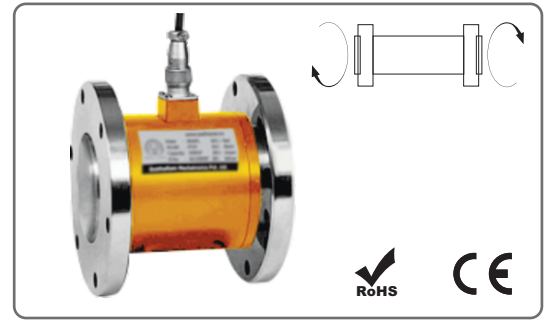
ROTARY TORQUE TRANSDUCER

FEATURES

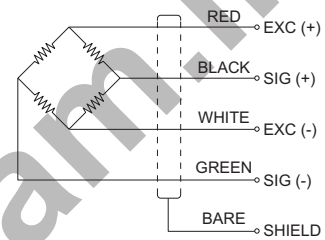
Model RTDF slipping rotating torque transducers have flange drives at both ends. This model is designed for the application with minimal space and high capacity requirement.

TECHNICAL SPECIFICATION

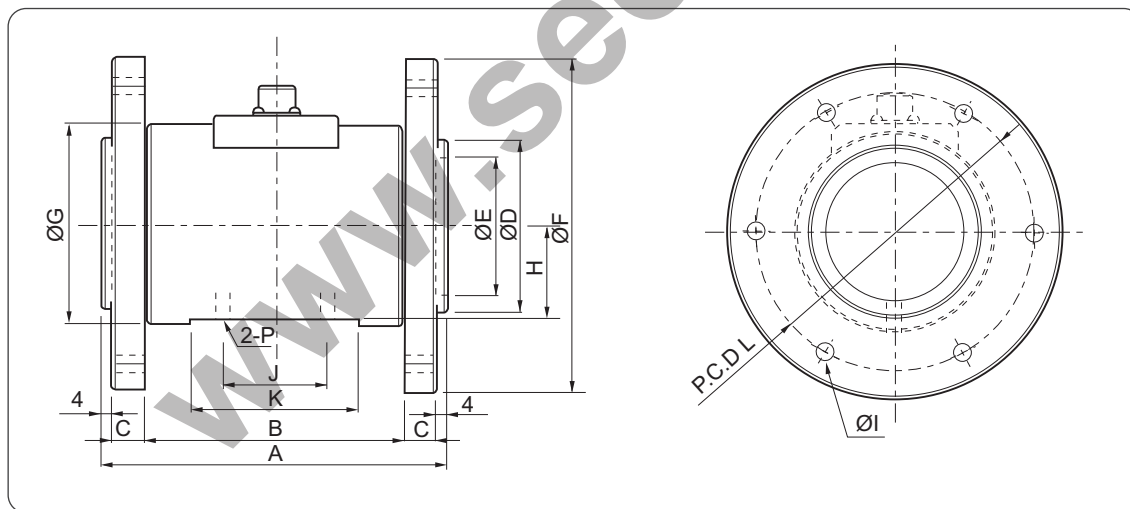
Model	RTDF
Rated Capacity (R.C)	20kgf-m ~ 500kgf-m
Rated output (R.O)	1.5mV/V $\pm$ 1%
Non-linearity	0.3% of R.O.
Hysteresis	0.3% of R.O.
Repeatability	0.3% of R.O.
Terminal resistance, input	350 Ω $\pm$ 5 Ω
Terminal resistance, output	350 Ω $\pm$ 3 Ω
Insulation resistance	300M Ω
Temp. range, compensated	-10°C ~ 60°C
Temp. range, safe	-20°C ~ 70°C
Temp. effect, on zero balance	0.08% R.O./10°C
Temp. effect, on rated output	0.08% Load/10°C
Excitation recommended	10VDC
Safe overload	150% R.C.
Cable	Ø7 Shield 3m



WIRING INFORMATION



DIMENSION DETAILS



DIMENSION TABLE

Unit : mm

Capacity	A	B	C	ØD	ØE	ØF	ØG	H	I	J	K	L	P	R.P.M
20kgf-m	130	98	12	65	52	127	81	38	6-Ø6.5	50	64	105	M6 DP.8	5,000
50kgf-m	134	102	12	76	62	136	88	41.5	6-Ø8.5	40	64	114	M6 DP.8	4,000
100kgf-m	134	102	12	86	68	156	100	48	8-Ø10.5	48	64	130	M8 DP.8	4,000
200, 300kgf-m	148	108	16	102	75	172	116	56	8-Ø10.5	50	68	146	M8 DP.8	3,000
500kgf-m	150	102	16	107	81	184	128	62	8-Ø10.5	56	74	158	M8 DP.8	3,000

Specifications are subject to change without Prior notice