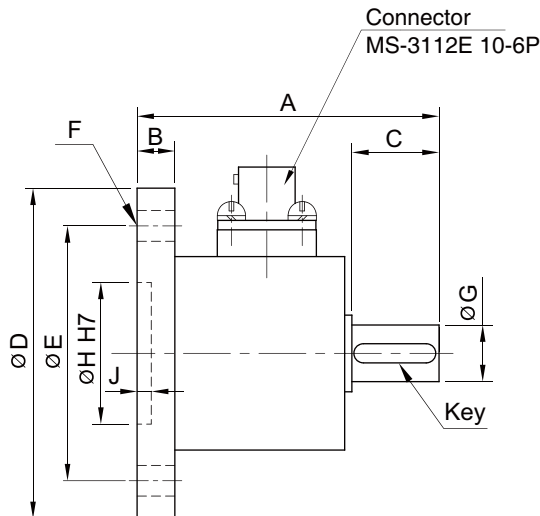


Model BRTF-N Series

Flanged & Shaft Type
Reaction Torque Transducer
(10Nm ~ 500Nm)

- 17-4PH stainless steel & Aluminum cover
- Robust design



SPECIFICATIONS

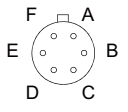
MODEL	BRTF-N
Rated capacity (R.C.)	10, 20, 50, 100, 200, 500Nm
Rated output(R.O.)	1.5mV/V $\pm$ 0.5%
Non-linearity	$\leq$ 0.2% R.O.
Hysteresis	$\leq$ 0.2% R.O.
Non-repeatability	$\leq$ 0.1% R.O.
Creep error	$\leq$ 0.2% in 20min.
Zero balance	$\leq$ 1% R.O.
Compensated temperature range	-10 ~ 70°C
Operating temperature range	-20 ~ 80°C
Temp. effect on rated output	$\leq$ 0.2% LOAD/10°C
Temp. effect on zero balance	$\leq$ 0.2% R.O./10°C
Terminal input resistance	420 Ohms $\pm$ 50 Ohms
Terminal output resistance	350 Ohms $\pm$ 5 Ohms
Insulation resistance (Min.)	2000 MOhms at 50V DC
Excitation voltage	3~12V(Recommended), 15V(Max.)
Electrical connection	Connector & Cable 3m (5mm, 4core)
Safe overload	150% R.C
Ultimate overload	300% R.C

ORDERING INFORMATION

BRTF-N	-	50
MODEL		CAPACITY
BRTF-N		10, 20, 50, 100 200, 500Nm

PIN CONNECTION

PIN A : EXC + (RED)
PIN B : SIG + (GREEN)
PIN C : EXC - (WHITE)
PIN D : SIG - (BLUE)



Dimension-mm

Rated Capacity	A	B	C	ØD	ØE	F	ØG	ØH	J	Key	Weight (kg)
10 Nm (1.02kg-m)	70	10	20	66	52	4-Ø5.5	12	20	4	4x4	0.6
20 Nm (2.04kg-m)	75	10	25	66	52	4-Ø5.5	18	20	4	5x5	0.6
50 Nm (5.10kg-m)	90	12	30	78	66	4-Ø6.5	18	25	4	5x5	0.8
100 Nm (10.2kg-m)	95	12	35	78	66	4-Ø6.5	20	25	4	6x6	0.8
200 Nm (20.4kg-m)	115	15	45	98	78	6-Ø10.5	32	30	4	10x8	1.3
500 Nm (51.0kg-m)	130	20	50	118	95	6-Ø10.5	35	30	4	10x8	2.6

* Specifications are subject to change without notice

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BONGSHIN LOADCELL CO., LTD.

55, Seobuk-ro, Gajang Ind.Complex, Osan-si, Korea / 18103
TEL : 82-31-742-6661 www.bongshin.com
FAX : 82-31-742-6664 E-mail : loadcell@bongshin.com