

TS19 Short Hollow Flange Style Reaction Torque Transducer



- Capacities from 50 Nm to 10K Nm (885 to 88.5K lbf-in)
- Short, rugged, compact design
- Both ends with flange
- Thru-Hole

SPECIFICATIONS

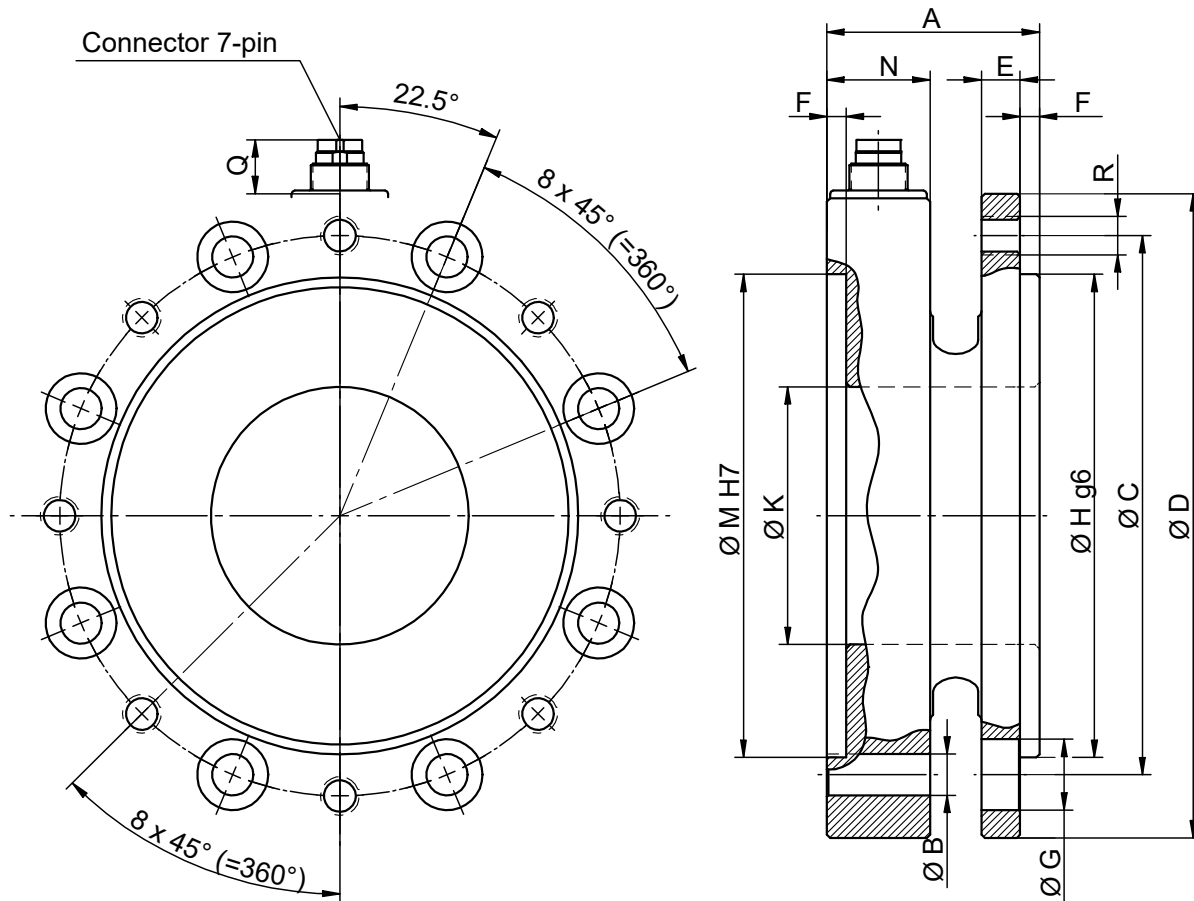
ACCURACY – (MAX ERROR)	
Combined Error – %FS	±0.1
Non-repeatability – %	±0.02
TEMPERATURE	
Effect on Zero – %RO / °C	±0.02
Effect on Output – % / °C	±0.01
Rated Range – °C	-5 to +45
Operating Range – °C	-15 to +55
ELECTRICAL	
Output – mV/V	0.5 50Nm, 1 100Nm - 10K Nm
Excitation Voltage – VCD MAX	12
Bridge Resistance-Ohm	2,000
Electrical Connection	7-Pin Binder 712
MECHANICAL	
Safe Overload – %RO	150
Safe Overhung Moment – %FS	50
Cyclic Load Rating – %RO	70 P-P (DIN 50100)
Material	Stainless steel

OPTIONS

- 100% Control Signal (RCAL)
- High Accuracy to 0.05% full scale

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DIMENSIONS



All dimensions in mm

Nominal Torque (Nm)	Dimensions (mm)													Tightening Torque (Nm)	Quality Class
	A	ØB	ØC	ØD	E	F	ØG	ØH	ØK	ØM	N	R	Q		
50 / 100	33	6,4	87	100	6	3	11	75	40	75	16	8 x M6	9	14	10.9
200	38,5	8,4	105	121	8	3	14	90	45	90	17	8 x M8	9	35	10.9
500 / 1000	43,5	13	133	156	12	3	20	110	70	110	18	8 x M12	9	120	10.9
2000	45,5	15	165	191	14	3	24	140	75	140	18	8 x M14	9	190	10.9
5000 / 10000	67	19	206	238	20	3	30	174	79	174	29	8 x M18	9	490	12.9