

Model 663 Reaction Torque Transducers

The MTS 663 Reaction Torque Transducers are the same sensors used in many of MTS' drive train test systems. These transducers provide an electric signal proportional to the torque applied. A rugged construction ensures many years of trouble free service.

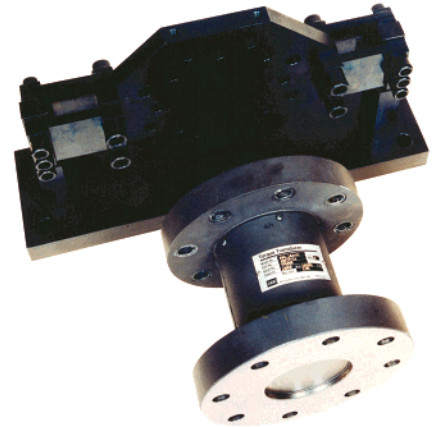


Typical Applications

- Static and dynamic torque measurements of drive train component such as axels and drive shafts.

Standard Features

- Fatigue rated for years of reliable service.
- Stiff design for low deflections and increased dynamic performance.
- Oversized flange mounting allows high clamp loads that can withstand the full torque rating without slipping.
- Excellent linearity for accurate measurements.
- Temperature compensated for long term stability.
- Static overload capacity of 250% of rated torque.



MTS 663 Reaction Torque Sensors are typically used with MTS rotary actuators and mount directly to the torque cell reaction brackets on the rotary test stand assemblies.

Model 661 Axial Load Cell Specifications

Model	Torque Rating		Length	Diameter	Output mV/V	Non Linearity
	N-m	in-lbs				
663.11A-02	125	1,085	76mm(3.0")	102mm(4.0")	2	0.1%
663.12A-01	600	5,200	89mm(3.5")	127mm(5.0")	2	0.1%
663.12A-02	1,250	10,800	89mm(3.5")	127mm(5.0")	2	0.1%
663.13A-01	2000	17,400	187mm(7.38")	203mm(8.0")	2	0.1%
663.13A-02	3,000	26,000	187mm(7.38")	203mm(8.0")	2	0.1%
663.13A-05	6,000	52,000	187mm(7.38")	203mm(8.0")	2	0.1%
663.14A-01	12,500	108,500	216mm(8.5")	248mm(9.8")	2	0.1%
663.15A-02	30,000	260,000	267mm(10.5")	356mm(14.0")	2	0.1%
663.16A-01	40,000	347,000	267mm(10.5")	381mm(15.0")	2	0.1%
663.18A-01	75,000	650,000	305mm(12.0")	432mm(17.0")	2	0.1%

Specifications subject to change without notice. Please contact MTS for specifications critical to your application.
[See MTS Model 663 Product Specification number 3000026-05 for more information.](#)