

Rotating Torque Sensors

Synchronous Sprocket [01287]

The 01287 pulley torque sensor features an integrated torque sensor and slip ring assembly that replaces a standard pulley and allows for continuous torque monitoring of a belt or chain drive. This custom sensor can be adapted to a wide range of applications where knowing real time torque is critical to proper operation. Torque capacities can be designed to meet your requirements and range from 100in-lbs to 10,000in-lbs (11N-m to 1100Nm).



SPECIFICATIONS

Capacity	3600 in-lbs
Overload capacity	150% of F.S.
Output at F.S.	1.8mV/V
Non-linearity	0.10% of F.S.
Hysteresis	0.10% of F.S.
Zero balance	1.00% of F.S.
Compensated temperature	70 to 170°F (21 to 76°C)
Useable temperature	-40 to +185°F (-40 to 85°C)
Temperature effect on zero	0.002% of F.S./°F
Temperature effect on span	0.002% of Rdg./°F
Side Load Capacity	2000 lbs
Maximum speed	5000 RPM