

## Multi-groove [ 01286 ]

This pulley torque sensor features a highly accurate sensing element and slip ring assembly to measure the belt drive torque, while allowing the motor to be used in normal operation (test stand and on-vehicle). While designed uniquely for this customer, the approach will be universal in its application to other belt or chain drive systems.



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## SPECIFICATIONS

|                                  |                             |
|----------------------------------|-----------------------------|
| Capacity .....                   | 120 in-lbs                  |
| Overload capacity .....          | 150% of F.S.                |
| Output at F.S. ....              | 2mV/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           |
| Excitation voltage .....         | 20Vdc (max)                 |
| Maximum speed .....              | 5000 RPM                    |