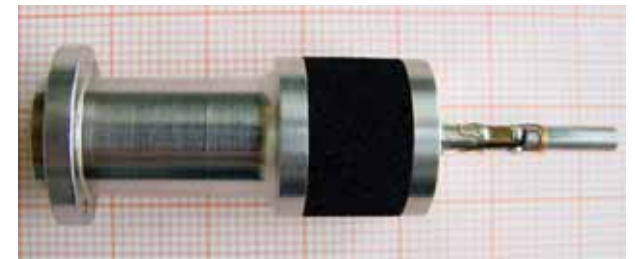
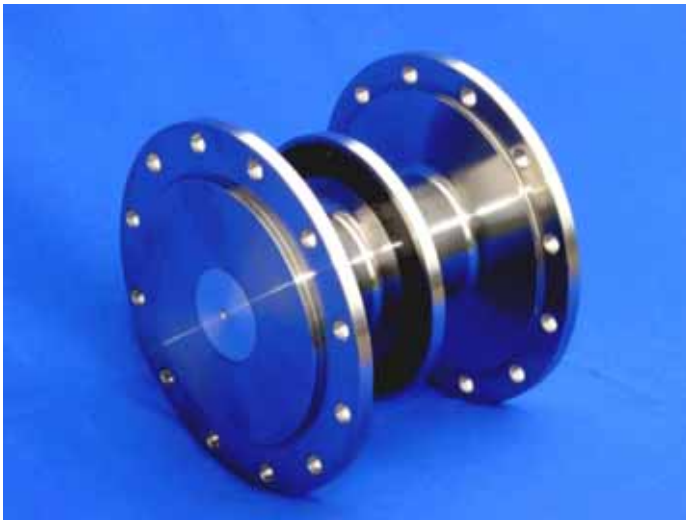


High Speed Torquemeters based on Sensor Telemetry up to 40 000 (100 000 RPM)



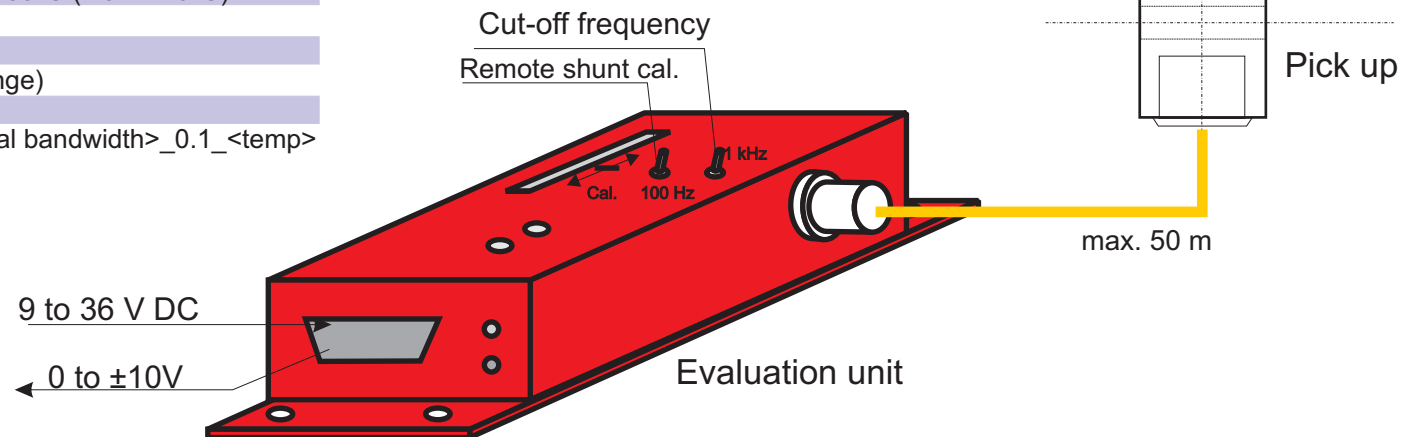
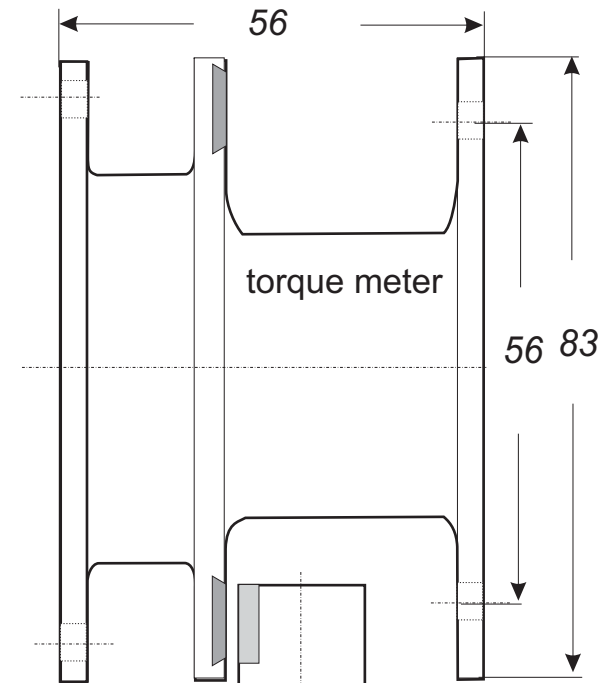
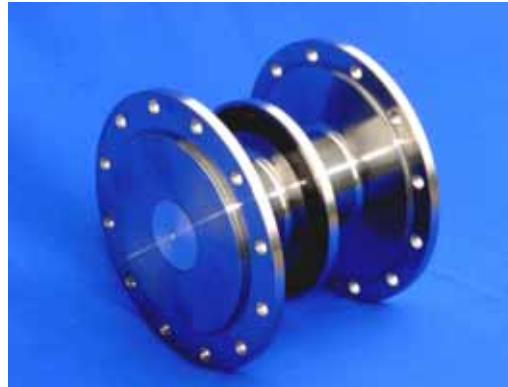
High Speed Torque Meter

Applications:

- * Racing formula 1
- * Gas turbines
- * Helicopter test rigs
- * Jet turbines

Technical data:

Range: 200, 500, 1000, 2000, 3000 Nm
 Speed: 0 to 36000 rpm)
 Linearity (incl. hysteresis): 0.1%
 Temperature drift: 0.03% / 10 K
 Very short: axial length: 56 mm
 Max. static breaking load: 400%
 Very stiff: 0,02 degree (nominal)
 Admissible longitudinal force: 7,5 N / Nm (nominal)
 Protection type: IP65
 Signal bandwidth: 0 to 1 kHz (40 kHz)
 Temperature range : -30°C to 85°C (max. 140°C)
 No maintenance
 Contactless
 Low inertia (depending on range)
 RPM signal (Option)
 Type: MHSP_<range>_<signal bandwidth>_0.1_<temp>

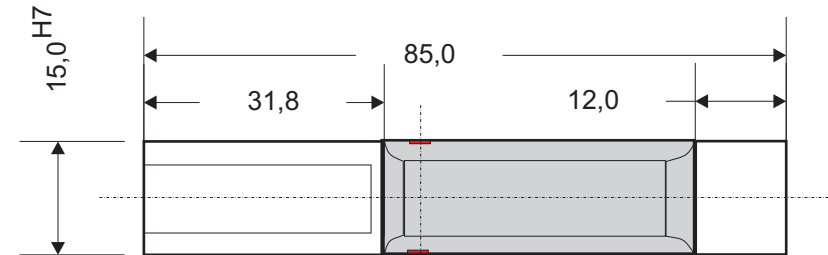


High Speed Torque Meter (miniaturised)

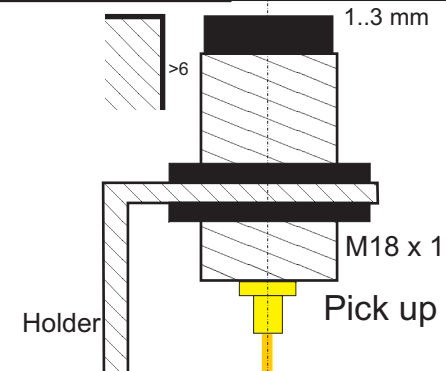
Applications:

- * Test rigs
- * Load monitoring
- * Nutrunners

Lenze-Couplings



Inertia (20 Nm): $2,03 \cdot 10^{-6} \text{ kgm}^2$
 Inertia (10 Nm): $1,707 \cdot 10^{-6} \text{ kgm}^2$



Technical data:

- Range: 1, 5, 10, 20, 50 Nm
- Speed: 0 to 30000, (100000) rpm
- Linearity (incl. hysteresis): 0.2 (0,1) %
- Temperature drift: 0.03% / 10 K
- Length: axial length: 85 mm
- Nominal diameter: 15 mm
- Max. static breaking load: 400%
- Very stiff: 0,02 degree (nominal)
- Admissible longitudinal force: 7,5 N / Nm (nominal)
- Protection type: IP65
- Signal bandwidth: 0 to 1 kHz (10 kHz)
- Temperature range : -40°C to 85°C (max. 140°C)
- No maintenance
- Contactless
- Very low inertia (depending on range)
- RPM signal (Option)
- Type: MMM <range> <signal bandwidth> 0.1 <temp>

Cut-off frequency
 Remote shunt cal.

