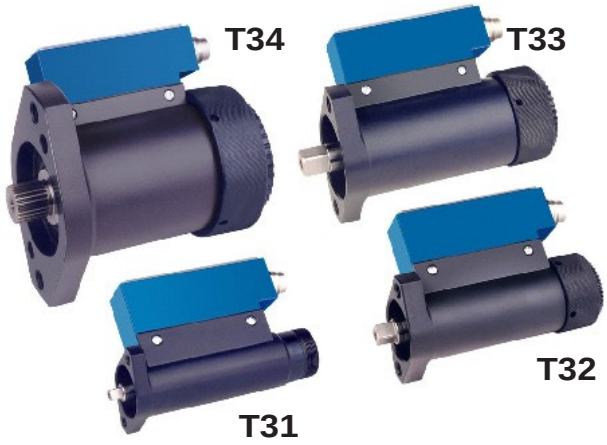
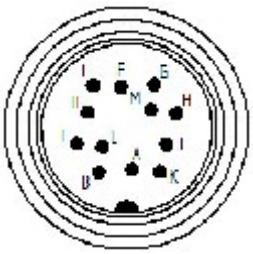


Models T31, T32, T33, & T34
Spindle Torque Transducer

- Capacities From 1 Nm – 500 Nm
- ±5V Output (10V Option)
- Speeds Up to 2000 rpm
- Integrated Speed/Angle Measurement
- Very Short Axial Length
- High Torsional Stiffness
- Reliable and Durable
- Simplifies Installation

Wiring Diagram

12-Pin Wiring		
Pin A	NC	
Pin B	Signal Angle B	5VTTL
Pin C	Signal (+)	±5V (±10V)
Pin D	Signal (GND)	0V
Pin E	Supply (GND)	0V
Pin F	Supply (+)	12 - 28VDC
Pin G	Signal Angle A	5V TTL
Pin H	NC	
Pin J	NC	
Pin K	Control Signal	L < 2.0V; H>3.5V
Pin L	NC	
Pin M	Shield	



Specifications

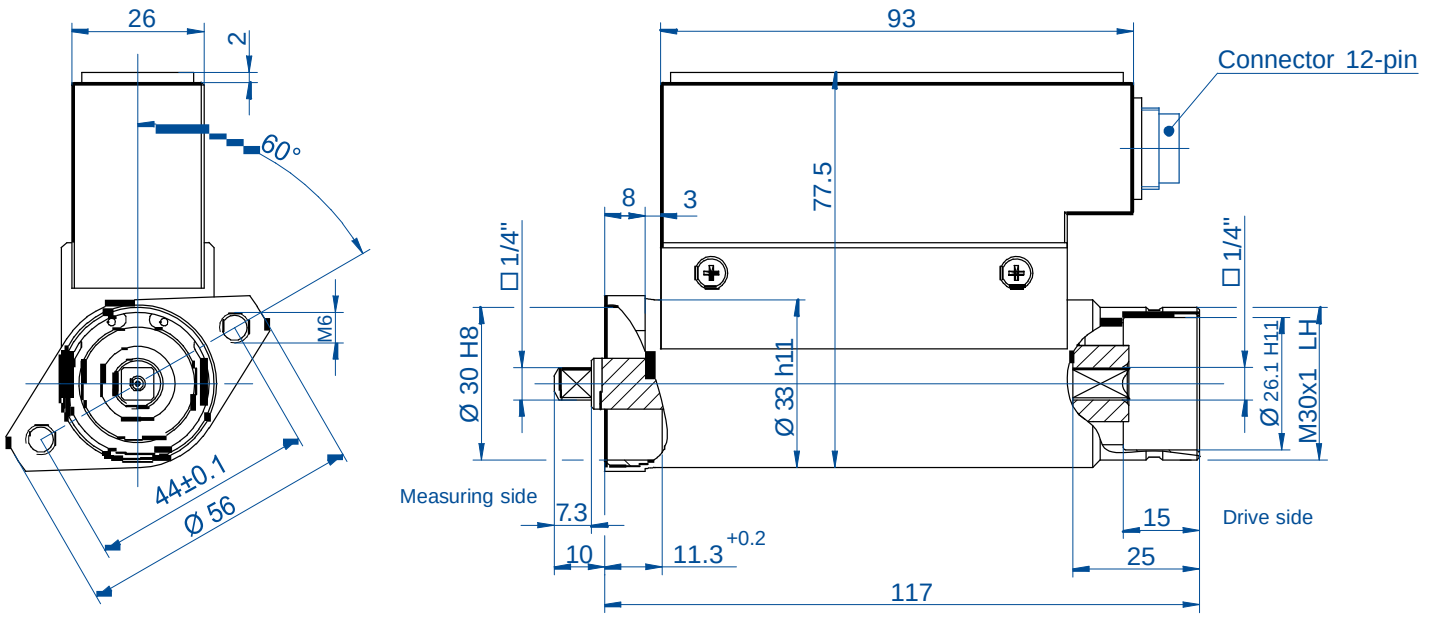
Accuracy -(Max Error)	
Combined Error - %FS	±0.3
Nonrepeatability -%RO	±0.05
Temperature	
Effect on Zero - % RO/°C	±0.05
Effect on Output - %/°C	+/-0.02
Compensated Range - °C	5 to +45
Operating Range - °C	0 to +60
Electrical	
Supply Voltage - VDC	12 to 28
Supply Current – mA	90
Output - VDC	±5
Sample Rate - Hz	10,000
Bandwidth - Hz	1 kHz-3dB
Resolution	12-bit
Calibration Signal - %FS	100
Electrical Connection	12-pin Binder
Encoder	360 pulse/rev, 2-track, +5V TTL, 90° offset, quadrature
Mechanical	
Safe Overload - % RO	150
Cyclic Load Rating - % RO	70 Peak-Peak (DIN 50100)
Maximum RPM	2000
Protection Class	IP50

T31, T32, T33, T34 V1.0_2015_09_29

Specifications are subject to change without notice.

Interface Force Measurements. • Unit 19 Wellington Business Park, Dukes Ride • Crowthorne, Berkshire RG45 6LS U.K •
Phone: +44(0)1344 776666 • Fax: +44(0)1344 774765 www.interface.uk.com •
Email: info@interface.uk.com •

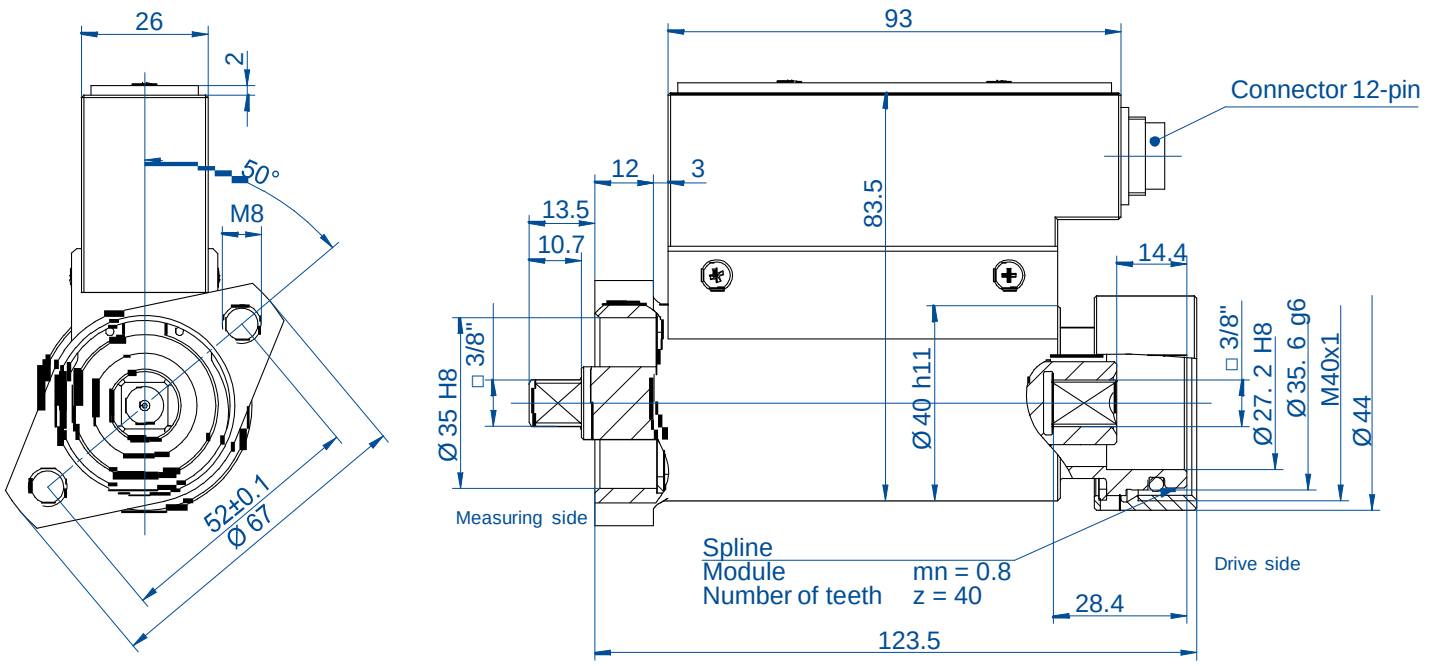
T31



Nominal Torque Nm 1 / 3 / 6 / 12

All dimensions in mm

T32

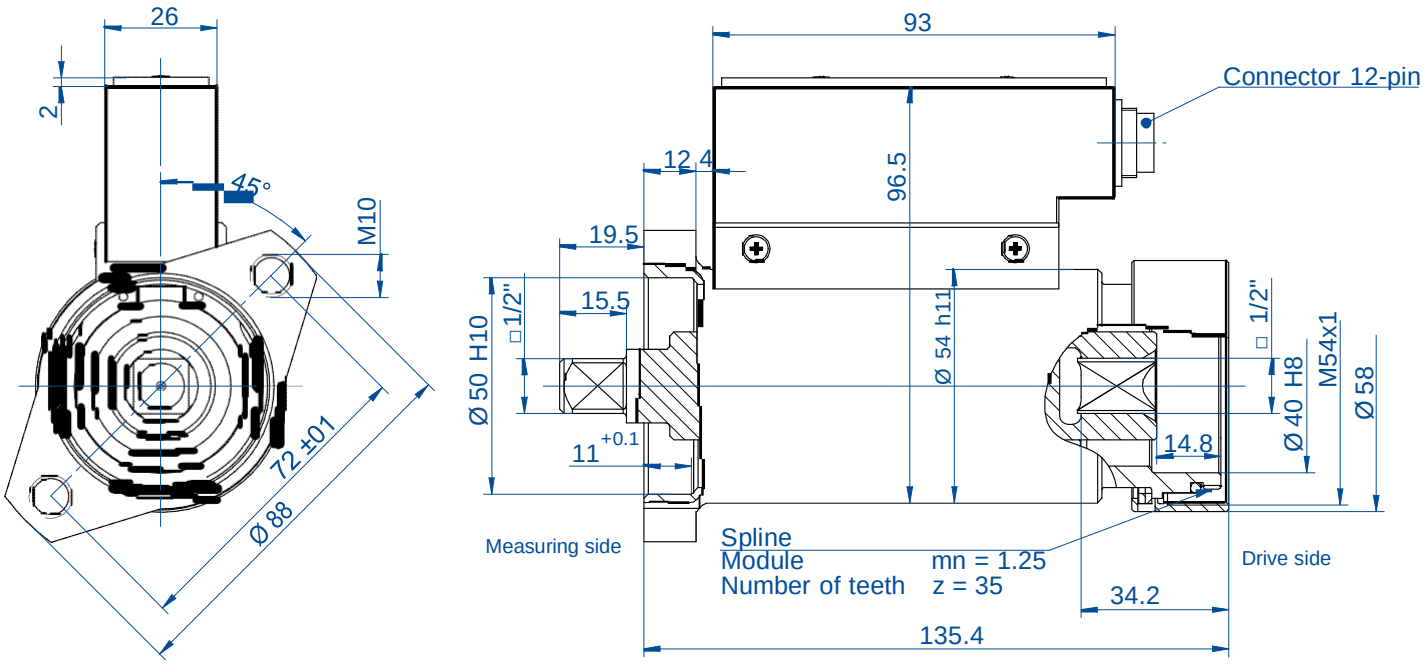


Nominal Torque Nm 4 / 6 / 12 / 35 / 60 / 80

All dimensions in mm

Interface Force Measurements. • Unit 19 Wellington Business Park, Dukes Ride • Crowthorne, Berkshire RG45 6LS U.K •
Phone: +44(0)1344 776666 • Fax: +44(0)1344 774765 www.interface.uk.com •
Email: info@interface.uk.com •

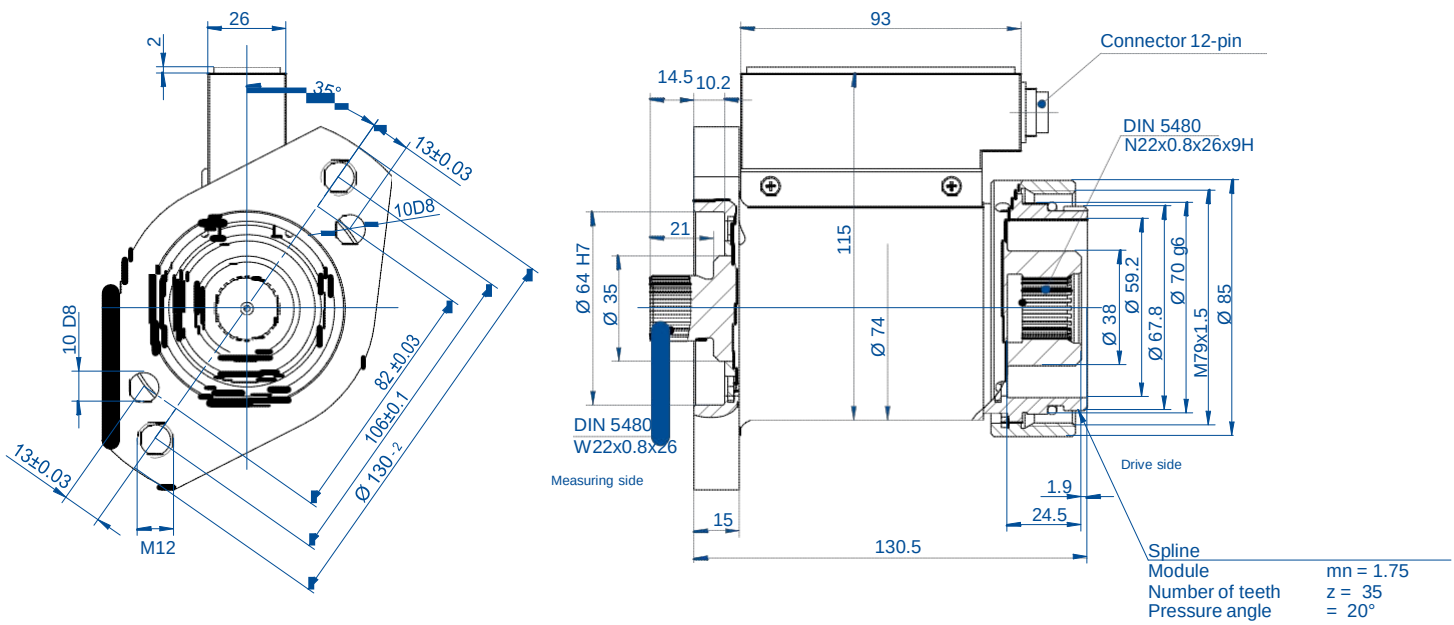
T33



Nominal Torque Nm 60 / 90 / 95 / 160 / 200 / 240

All dimensions in mm

T34



All dimensions in mm

Nominal Torque Nm **150 / 250 / 500**

Interface Force Measurements. • Unit 19 Wellington Business Park, Dukes Ride • Crowthorne, Berkshire RG45 6LS U.K •
Phone: +44(0)1344 776666 • Fax: +44(0)1344 774765 www.interface.uk.com •
Email: info@interface.uk.com •