



TLH / TLHA Rotary Torque Transducer

Slip ring in-line rotary torque transducer.

The TLH rotary torque transducers provide accurate torque measurement for tool testing applications at speeds up to 2,000 rpm.

The series incorporates a slip ring torque sensor for screw driving systems. The TLH also includes an output hexagon socket with a quick action chuck system. The TLHA model also performs angle measurement as well as torque. These quarter-inch hex-drive torque transducers are reliable and robust.

Typical applications for the TLH series includes assembly technology, process measurement and control, tool engineering and special mechanical engineering.

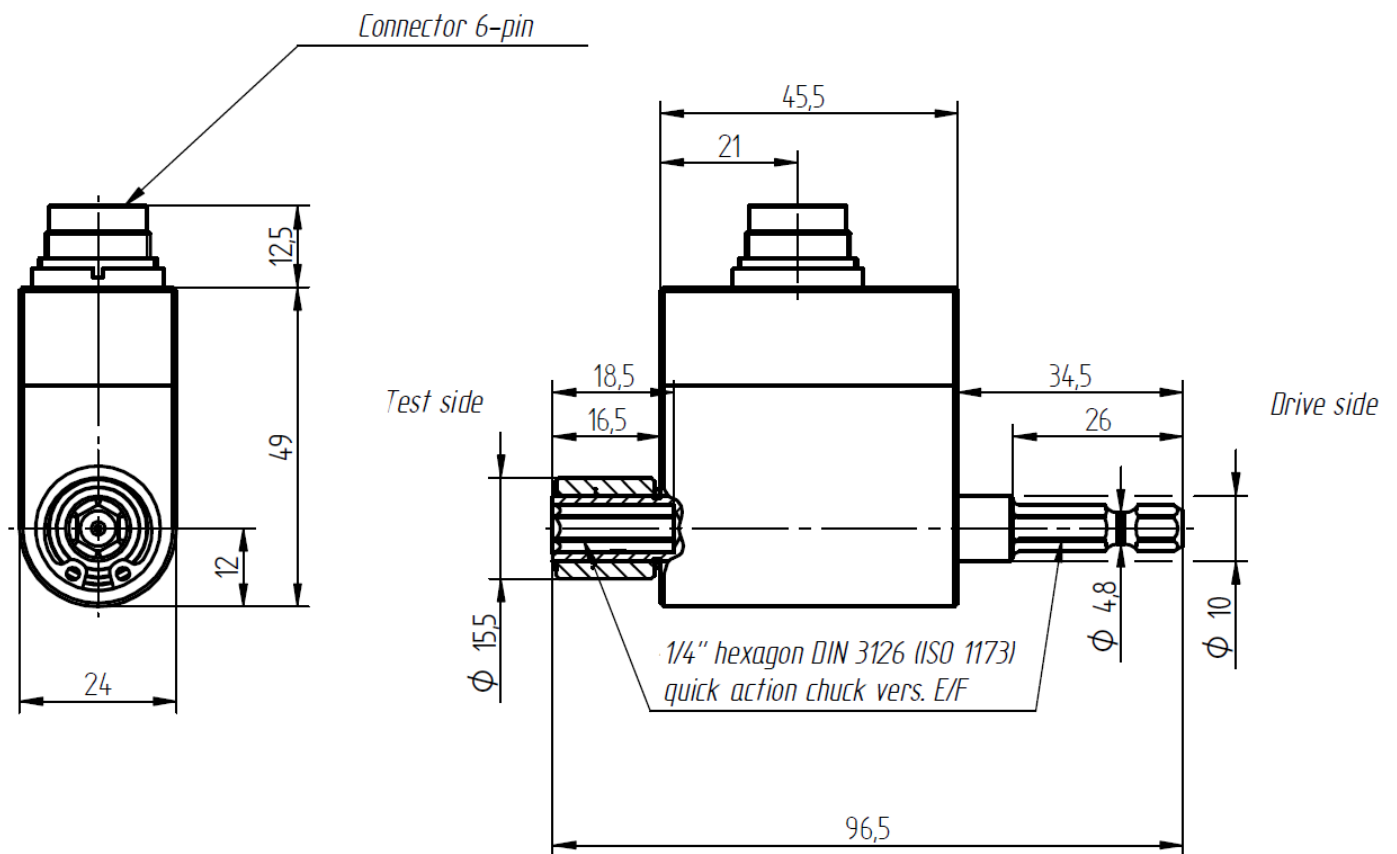
For pricing, availability or for further technical information about the TLH and TLHA series, contact us via our website at www.crane-electronics.com or get in touch via email at sales@crane-electronics.com.

Technical Specification

Accuracy Class:	0.1
Sensitivity (1 Nm):	0.5 mV/V
Sensitivity (other ratings):	1 mV/V
Repeatability:	±0.05% fs
Excitation Voltage:	2 to 12Vdc
Excitation Voltage (angle):	5 Vdc
Bridge Resistance:	350 ohms
Nominal Temp:	-10 to +60°C
Overload Capacity:	150% fs
Durability of Brushes:	5 x 10 ⁷ .rev
Protection:	IP50
Speed/Angle Measurement (TLHA):	2X 360° impulse, 90° displaced 5V TTL

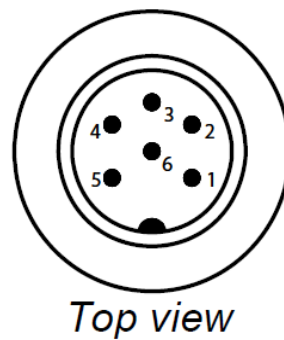
Dimensions

TLH Torque Transducer



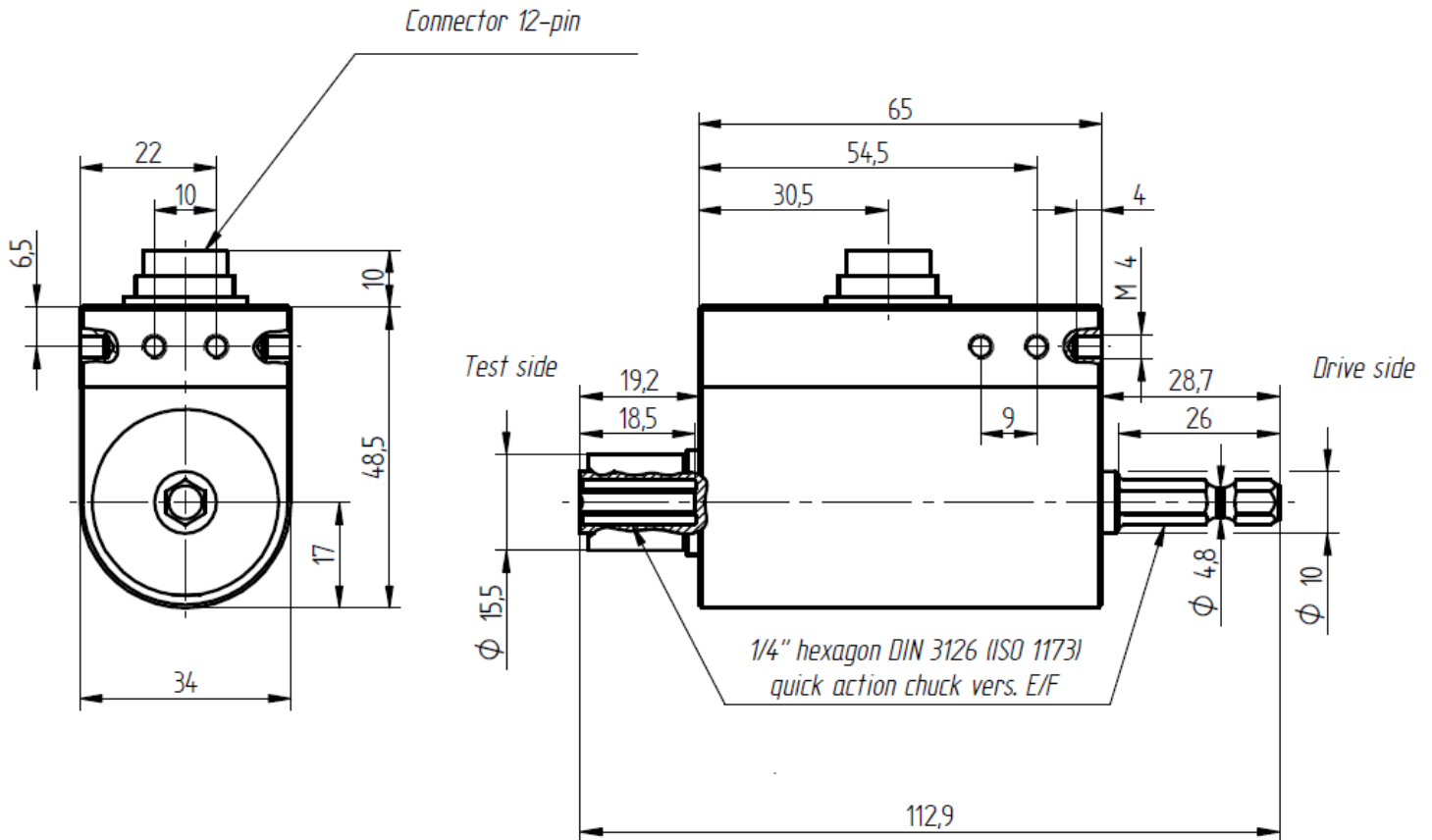
Wiring Details

PIN	Designation
1	Excitation (-)
2	Excitation (+)
3	Shield
4	Signal (+)
5	Signal (GND)
6	Control Signal (Option)



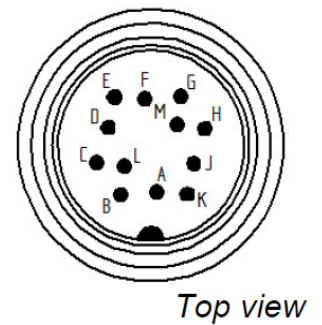
Dimensions

TLHA Torque Transducer



Wiring Details

PIN	Designation		
A	Excitation (GND)	G	Signal angle A (5V TTL)
B	Excitation (+)	H	Signal angle B (5V TTL)
C	Signal (+)	J	Signal angle (GND)
D	Signal (GND)	K	Calibration control (Option)
E	Excitation angle (GND)	L	N/C
F	Excitation angle (5V)	M	Shield



Locations

UK - Watling Drive, Hinckley, Leicestershire LE10 3EY, UK
 USA - 1260 11th Street West, Milan, Illinois 61264, USA
 Germany - Im Rank 5, 73655 Plüderhausen, Germany

