Flange Mounted Transducers – FMT

Flange Mounted Transducers incorporate mounting points for securely fixing the transducer to the working surface. The transducer lead is also included and is fitted with a high quality Lemo® connector, suitable for attachment to TST and TTT instruments.

- Classified to BS7882:2008, typically better than Class 1 for the primary classification range (±0.5% of reading from 20% to 100% of full scale).
- "SMART" – TST and TTT instruments will automatically recognise calibration details.
- Joint Simulation Rundown Assembly is included on transducers up to 150 N.m (100 lbf.ft) allowing joint simulation for power tool testing.
- Supplied with UKAS calibration certificate.
- Transducers are supplied with precision made square drive adaptors.

1500 N.m Transducer

S.I Calibrated Transducers

Capacity	Part No.	Range	Square Drives Supplied - in
2 N.m	50671.xxx	0.04-2 N.m	¼
10 N.m	50672.xxx	0.5-10 N.m	¼
25 N.m	50673.xxx	1.25-25N.m	¼ + ⅜
150 N.m	50674.xxx	7.5-150 N.m	⅜ + ½
400 N.m	50675.xxx	20-400 N.m	½ + ¾
1500 N.m	50676.xxx	30-1500 N.m	½ + ¾ + 1

Imperial Calibrated Transducers

Capacity	Part No.	Range	Square Drives Supplied - in
20 lbf.in	50677.xxx	0.4-20 lbf.in	¼
100 lbf.in	50678.xxx	5-100 lbf.in	¼
250 lbf.in	50679.xxx	12.5-250 lbf.in	¼ + ⅜
100 lbf.ft	50680.xxx	5-100 lbf.ft	⅜ + ½
250 lbf.ft	50681.xxx	12.5-250 lbf.ft	½ + ¾
1000 lbf.ft	50682.xxx	20-1000 lbf.ft	½ + ¾ + 1

Select part no. suffix .LOG if the transducer is to be connected to TST or TTT (example: 50671.LOG). For connection to a non Norbar instrument or when a mV/V certificate is required, select .IND.

Joint Simulation Rundown Assemblies for Flange Mounted Transducers

Part No.	Range	A/F Size of Hex Screws
50539	0.04 – 2 N.m 0.4 – 20 lbf.in	¼"
50540	0.5 – 10 N.m 5 – 100 lbf.in	¼"
50541	1.25 – 25 N.m 12.5 – 250 lbf.in	¼"
50692	7.5 – 150 N.m 5 – 100 lbf.ft	14 mm

The above Joint Simulation Rundown Assemblies are supplied with the Flange Mounted Transducer as standard, but can also be ordered separately.

2 N.m Transducer

Large Mounting Bracket, Part No. 62220.BLK9005 suitable for 150 N.m to 1500 N.m Transducers

Small Mounting Bracket, Part No. 62221.BLK9005 suitable for 2 N.m to 400 N.m Transducers

150 N.m Transducer

"SMART" Torque Block – STB

- Classified to BS7882:2008, typically better than Class 1 for the primary classification range (±0.5% of reading from 20% to 100% of full scale).
- "SMART" – TST and TTT instruments will automatically recognise calibration details.
- Supplied with UKAS accredited calibration certificate.

There are two models, STB1000 and STB3000. Transducer Lead is incorporated and is terminated in a Lemo® connector suitable for the TST and TTT.

S.I. Calibrated Transducers

Model	Part No.	Range	Square Drives - in
STB1000	50683.xxx	20-1000 N.m	½ + ¾
STB3000	50684.xxx	150-3000 N.m	¾ + 1

Select part no. suffix .LOG if the transducer is to be connected to TST and TTT (example: .LOG). For connection to a non Norbar instrument or when a mV/V certificate is required, select .IND.

Joint Simulation Rundown Assemblies for STB1000

Part No.	Range	A/F Size of Hex Screws - mm
50693	10 – 140 N.m 10 – 100 lbf.ft	12
50694	100 – 700 N.m 70 – 500 lbf.ft	19