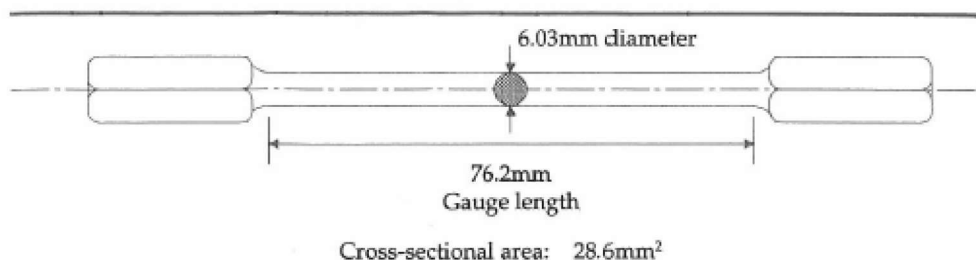


BRASS (MTX)	
ANGLE OF ROTATION (°)	TORQUE (NM)
0	0
0.4	0.2
0.8	0.6
1.2	0.8
1.6	1.2
2.0	1.6
2.4	1.98
2.8	2.4
3.2	2.78
3.6	3.1
4.0	3.5
4.4	3.82
4.8	4.2
5.2	4.6
5.6	5.0
6.0	5.38



Introduction

One of the essential requirements for studying strength and properties of materials is an understanding of the way in which materials behave under load and conditions of stress.

The range of Test Specimens offers differing heat treatments and chemical compositions, carefully selected to enable the student to examine and compare properties of a wide variety of engineering materials.

A fundamental requirement of a standard specimen is that results should be predictable and repeatable. This range of test specimens meets this requirement.

Torsion Specimens are suitable for use with TQ SM1 and SM21 Machines.

Ordering Information

All Torsion Specimens are available in boxes of 6.

Please quote only Order Ref and quantity when ordering.

Specifications

Order Ref.	Code	Composition	Condition	Material Spec.
TR1010	MT15	0.1% C Steel	as drawn	220M07
TR1011	MT15N	0.1% C Steel	normalised 900°C	220M07
TR1020	MT40	0.4% C Steel	as drawn	212M36
TR1021	MT40N	0.4% C Steel	normalised 860°C	212M36
TR1040	MTX	70Cu/30Zn Brass	Half Hard	CZ106
TR1050	MTCI	Grade 180 grey cast iron	as cast	BS1452