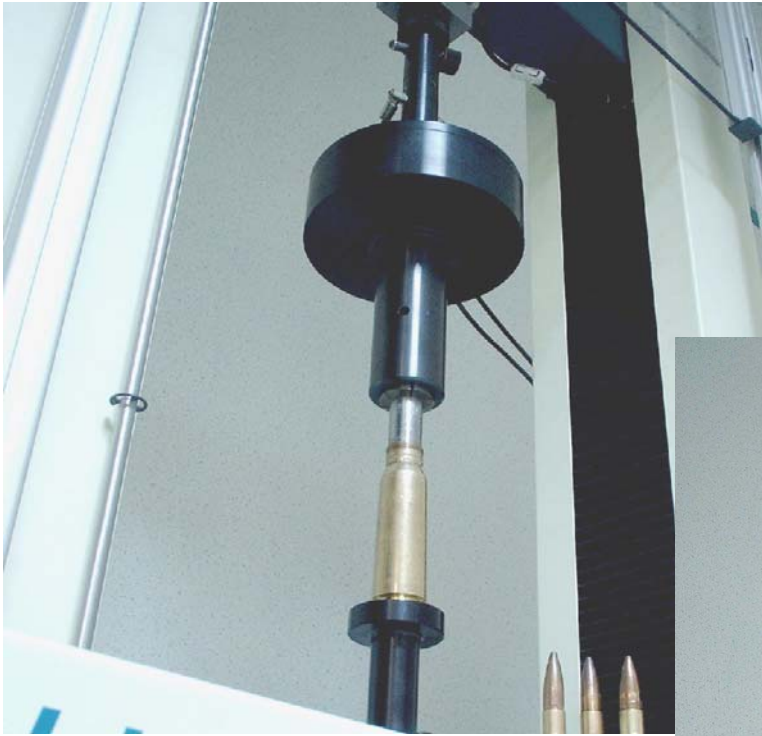


# Application Note

TENSILE, COMPRESSION, IMPACT, MELT FLOW, BRINELL, SHEAR, STRETCH RECOVERY, PUNCTURE, HEAT DISTORTION (VICAT), BEND/FLEXURE, SEAM STRENGTH, TORSION

## Examples of Bullet testing using a Tinius Olsen Testing Machine

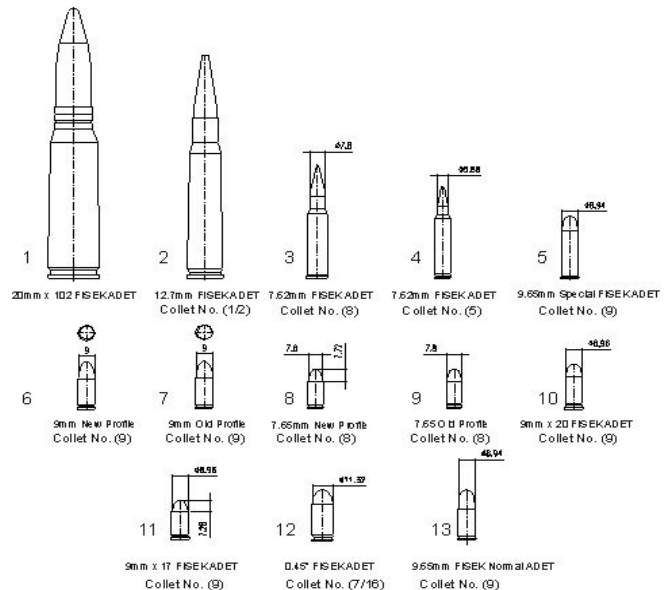


Tinius Olsen has supplied two different types of systems in the past. Some which utilise manual vice type grips, and others with specially designed air-operated grips to enable quicker and simpler gripping of the bullet. The pictures above and right show the pneumatic (air-operated) grip on a twin column test machine, however our single column 5KN (500kgf) test machine has also been supplied for bullet testing.

Tinius Olsen can also supply an 'protection chamber' should the customer wish to test 'live' rounds/bullets to ensure the safety of the testing personnel.

**NOTE: Prior to supplying any system, Tinius Olsen requires at least 10 specimens of each bullet size, ALL bullets must be 'made safe' before shipping.**

Typical Range of Bullets for testing on Tinius Olsen Testing Machine



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