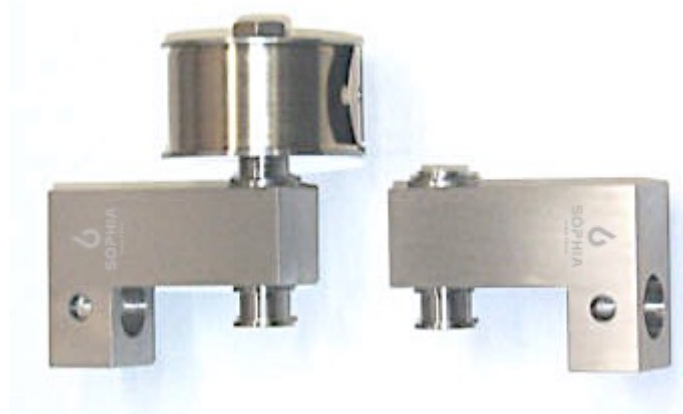


ASTM D1414 TESTING FIXTURE

RUBBER O-RING



ASTM D1414 Testing Fixture

These test methods provide acceptable procedures for quality control purposes and for the determination of engineering characteristics.

The equipment consists of two pulleys which stretch the O-ring to failure. To minimize the local stresses induced in the sample due to frictional forces, the standard provides that a spool must rotate one complete revolution for each 6 "stroke of the knobs. The large pulley on the right side is a constant force spring. The free end attaches to the base of the test machine. Placed on the same shaft of the upper sprocket, it turns one revolution for every 6 "of the test machine gear, rotating the upper spool as required.

Source of Additional Information:

ASTM Standard D 1414-94 (1994; reapproved 2003), "Standard Test Methods for Rubber O-Rings," American Society for Testing and Materials, West Conshohocken, Pennsylvania (originally published in 1956).

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