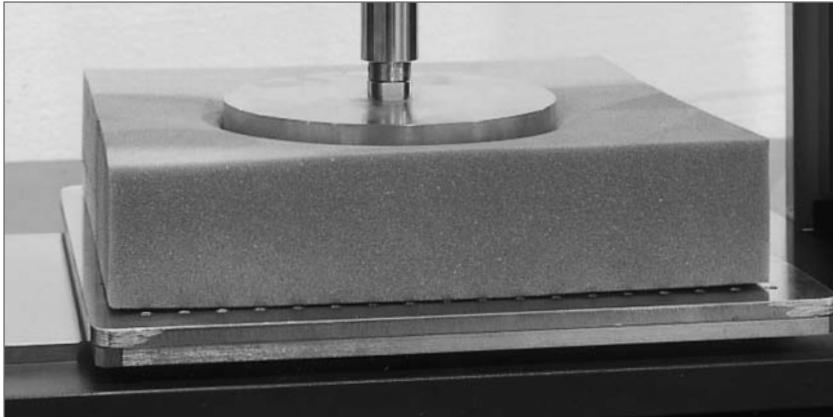


Compression Test Jig for Foam Specimens



This compression test jig is specifically designed to test rubber foam and urethane foam specimens that are molded, cored from a larger sheet, or shaped, for example, having a dimpled pattern.

The compression test jig for foam specimens consists of a 200 mm (7.9 in) diameter upper compression plate and a larger 400 mm (15.7 in) by 400 mm lower support plate. The lower plate contains holes 6.5 mm (0.26 in) in diameter, spaced 20 mm (0.79 in) apart. The perforations are designed to allow air to escape from the foam during testing.

Common tests applicable to rubber foam and urethane foam include compression to a specified deflection or force, where the resulting force or deflection, respectively, are measured, and maintenance of a constant deflection with measurement of recovery.

Compression test kits for foam specimens are available in certain regions. In addition to the compression test jig, these kits include a compression and bending loading jig. Please contact your local Shimadzu representative for details.

This compression test jig for foam specimens cannot be installed on universal testers with safety covers attached.

Relevant Materials

Rubber Foam, Urethane Foam

Relevant Specimens

Cuboids

Relevant Standards

ASTM D3574, JIS K6384

Operation

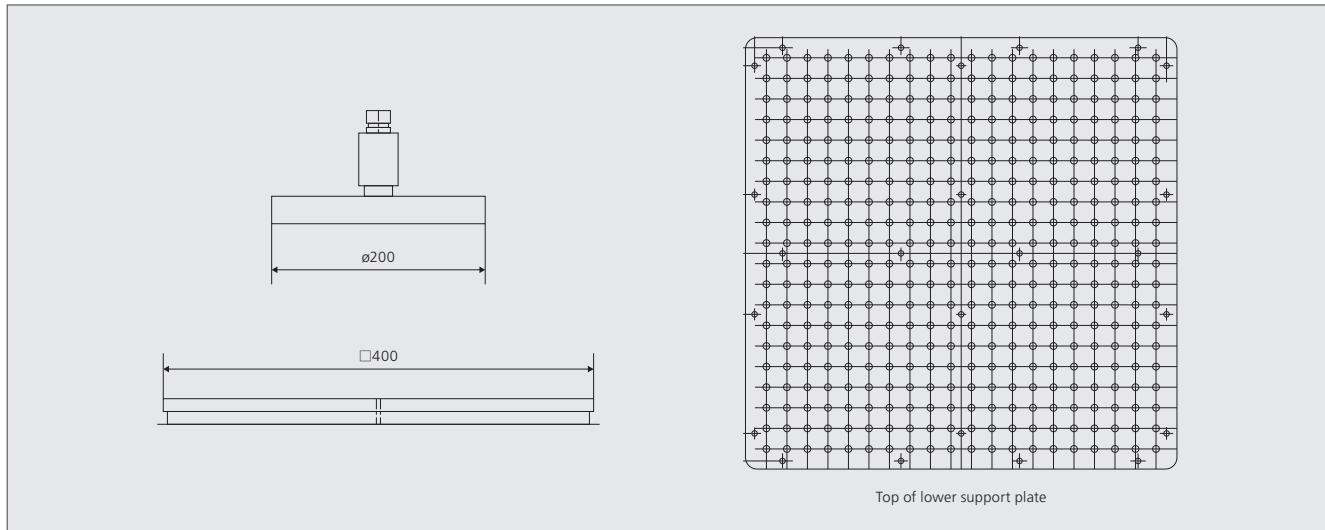
Once the upper compression plate and lower support plate are installed on the universal tester, the specimen is centered on the lower support plate. Compression testing is undertaken using the desired experimental parameters.



Connect the joint and plate, and fix by screw

Specification

Maximum Capacity			Support Plate Size		Upper Plate Diameter	Temperature Range	Upper Plate Mass
			Length	Width			
kN	kgf	lbf	mm (in)	mm (in)	mm (in)	°C (°F)	kg (lb)
1	100	220	400 (15.7)	400 (15.7)	200 (7.9)	0 to 40 (32 to 104)	5.0 (11)



Ordering Information

P/N	Description
343-08213	Compression Test Jig for Foam Specimens Includes: 200 mm diameter upper compression plate and lower support plate

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