INSTRON®

The difference is measurable®

BALL BURST COMPRESSION FIXTURE

Catalog Number 2810-195

Burst or puncture fixtures are used to determine the resistance of a material to the penetration of a probe. The material is typically held by a set of clamping rings, and undergoes biaxial stresses representative of those encountered during actual use.

PRINCIPLE OF OPERATION

Fixtures are typically comprised of a lower frame with a clamping mechanism that attaches to the base of the testing system, while a probe attaches to the load cell on the moving crosshead. The probe is then moved onto the specimen at a low rate of travel until failure occurs. Common results from these tests are maximum force, force at break, penetration distance, and energy to break.

APPLICATION RANGE

- Type of test: Puncture
- Specimen material: Woven and knitted textiles
- Temperature Range: 10 to 40 °C (50 to 100 °F)

SPECIFICATIONS

Catalog Number	Accessory Height		Accessory Width		Capacity		Upper Fitting	Lower Fitting	Temperature Rating		Testing Standards
	mm	in	mm	in	kN	lbf			°C	°F	
2810-195	305	12	133	5.2	10	2,000	6 mm Clevis Pin (Type Om)	1/2 in Clevis Pin (Type Dm)	10 - 40	50 - 100	ASTM D3787, D6797, FED 191A

www.instron.com

INSTRON®

Worldwide Headquarters
825 University Ave, Norwood, MA 02062-2643, USA
Tel: +1 800 564 8378 or +1 781 575 5000

European Headquarters
Coronation Road, High Wycombe, Bucks HP12 3SY, UK
Tel: +44 1494 464646