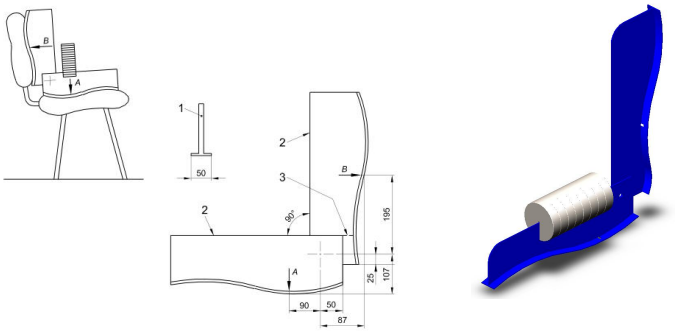
GT-LB Model

GT-LB01-1 Loading point template

A template, which consists of two shaped members fastened together by a pivot at one end .The contours of the shaped surfaces are so devised as to sink into the upholstery. For this purpose the seat loading arm shall have a mass of 20 kg applied at the seat loading point.

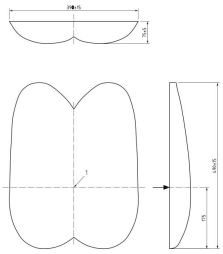


Standards

EN 1728 Section 5.1, EN 1022 Section 4.6,
BS5459-2-2000 Section A3.2 , EN581-2

GT-LB01-2 Seat loading pad

Seat loading pad, which is a naturalistically shaped rigid indenter with a hard, smooth surface.Used to simulate the human buttocks to load on the seat.

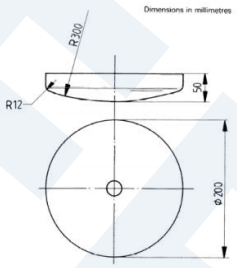


Standards

EN 1728 Section 5.2 , EN1335-3 Section 5.3 ,
BS5459-2-2000 Section A3.4, EN581-2

GT-LB01-3 Smaller Seat loading pad

Smaller seat loading pad, which is a rigid circular object 200 mm in diameter, the loading surface of which has a convex spherical curvature of 300 mm radius with a 12 mm front edge radius.

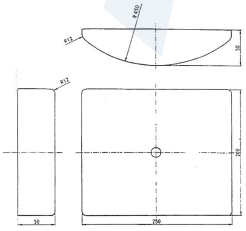


Standards

GB10357-3 -2013 Section 3.6, ISO7173-1989 Section 6.3

GT-LB01-4 Back loading pad

Back loading pad, which is a rigid rectangular object 200 mm high and 250 mm wide, the loading surface of which is curved across the width of the pad with a convex cylindrical curvature of 450 mm radius and with a 12 mm radius on all front edges.



Standards

EN 1728-2012 Section 5.6 , EN581-2-2015, EN1335-3-2009 Section 5.6 ,
BS5459-2-2000 Section A3.6, ISO7173-1989 Section 6.5

GT-LB01-5 Local loading pad

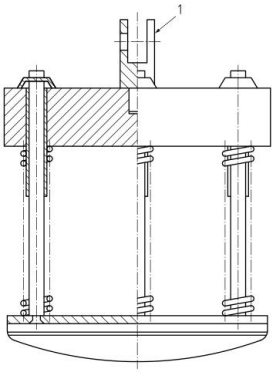
Local loading pad, which is a rigid cylindrical object 100 mm in diameter, with a flat face and a 12 mm edge radius.

Standards

EN 1728-2012 Section 5.7 , EN581-2-2015, EN1335-3-2009Section 5.5 , BS5459-2-2000 Section A3.7, ISO7173-1989 Section 6.6

GT-LB01-6 Seat Impactor Device

The seat impactor is comprised of the following elements, circular body, springs and striking surface. Is the necessary accessories for seat impact test.

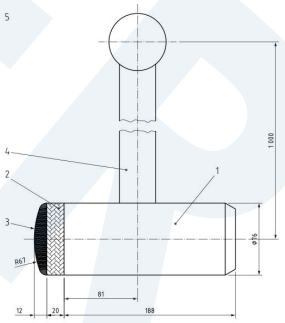


Standards

EN 1728-2012 Section 5.9 , EN581-2-2015, BS5459-2-2000 Section A3.8, GB10357-3 -2013Section 3.9, ISO7173-1989 Section 6.8

GT-LB01-7 Impact hammer

Impact hammer, with a cylindrical pendulum head having a mass of 6,5 kg, supported from a pivot by a steel tube of 38 mm in diameter and with a wall thickness of 2 mm.



Standards

ISO 8098, GB 8098

GT-LB03 Chair Armrest Durability Testing Machine

The tester tests the strength and durability of the handrails, seats, or other parts by simulating the loading of the seats during routine use.

Standards

EN1728, EN1335-3, EN1729-2, ISO 7173, BIFMA X5.1

GESTER INTERNATIONAL CO.,LTD
TEL: 86 0595-22515230 FAX: 86 0595 22515221
Web:www.gester-instruments.com E-mail: info@gester-instruments.com

GT-LB04 Chair Seating and Back Testing Machine

Seat loading pad, which is a naturalistically shaped rigid indenter with a hard, smooth surface.Used to simulate the human buttocks to load on the seat.

Standards

EN1728, EN1335-3, EN1729-2, ISO 7173, BIFMA X5.1

GT-LB05 Chair Seating Impact and Durability Testing Machine

The purpose of this test is to evaluate the ability of the chair to withstand heavy and abusive impact forces on the seat and evaluate the ability of chairs to withstand fatigue stresses and wear caused by downward vertical force(s) on the seat.

Standards

EN1728, EN1729-2, ISO 7173, BIFMA X5.1

GT-LB06 Chair Front Stability Testing Machine

This machine is suitable for testing seat, office chair forward stability test.

Standards

ANSI/BIFMA X5.1 - 2011 , EN 1335-3

GT-LB07 Chair Swivel and Castors Durability Testing Machine

The tester applies to test all chair types with a swivel seat or with castors.

The purpose of this test is to evaluate the ability of the chair to withstand stresses and wear of repeated swiveling.

Standards

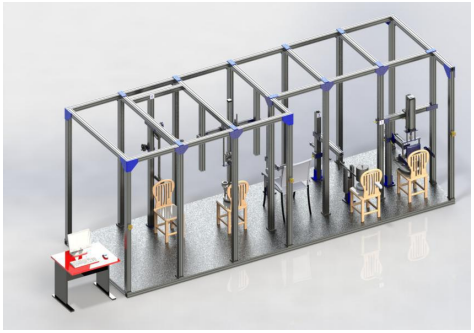
ANSI/BIFMA X5.1 - 2011, EN 1335-3, BS5459-2

GT-LB08-1 Chair Assembly Testing Machine

This tester is according for the standard EN 1728 and can do a variety of chair testing.

Standards

ANSI/BIFMA X5.1 - 2011,EN 1335-3,BS5459-2



GT-LB08-2 Chair Assembly Testing Machine

This tester is according for the standard EN 1728 and can do a variety of chair testing.

Standards

ANSI/BIFMA X5.1 - 2011, EN 1335-3, BS5459-2

GT-LB09 Caster and Base Durability Testing machine

This tester applies to pedestal base chairs with casters or chairs with legs and casters, to evaluate the ability of the casters ,chair frame or chair base to withstand fatigue stresses and wear caused by moving the chair back and forth.

Standards

ANSI/BIFMA X5.1 - 2011,EN 1728,EN 1335-3

GT-LB10 Rolling Resistance Testing Machine

This tester applies to all chairs with casters, to evaluate rolling resistance of the unloaded chair.

Standards

QB/T 2280,EN 1728,EN 1335-3

GT-LB11 Chair Back and Arm Impact Tester

The machine is specially designed for testing the impact strength of backrest and handrail.

Standards

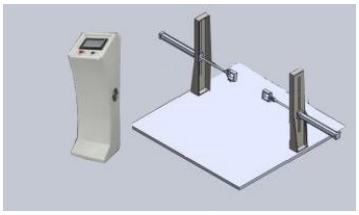
EN1728,EN1335-3,EN1729-2,ISO 7173

GT-LB12 Chair Sideways Testing Machine

This test machine is used to simulate the loading condition of the chair in daily use, and test the lateral static load strength of the handrail.

Standards

ANSI/BIFMA X5.1 - 2011,EN 1335-3,BS5459-2



GT-LB13 Chair Backrest and Tilt Mechanism Durability Test Machine

The latest design of the machine has two test functions:

First test is to evaluate the ability of the chairs to withstand fatigue stresses and wear caused by rearward force on the backrest of the chair.

Second test is to evaluate the ability of the tilt mechanism to withstand the fatigue stresses and wear caused by repeated tilting.

Standards

BIFMA X5.1

GT-LB14 Computer Five Feet Compression Resistance Tester

This test machine is used to test the compressive strength of the five feet of the office seat, and test the stressful situations of the feet by the vertical pressure.

Standards

ANSI/BIFMA X5.1 - 2011,QB/T2280