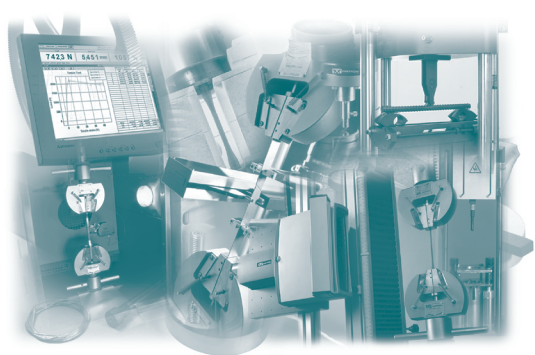


Bend Fixture for Microelectronics

Catalog Number 2810-412



Features

- Accurate specimen placement with integral micrometer
- Specimen stops for optimum alignment
- Meets SEMI G69-0996
- 2kN(200kgf, 440 lb) capacity
- Temperature range -75 °C to 250 °C (-103 °F to 482 °F)
- Adjustable lower span from 5 mm (0.2 in) to 105 mm (4.13 in)
- 2.5mm anvil radius
- Optional 4-point bend conversion kit

Description

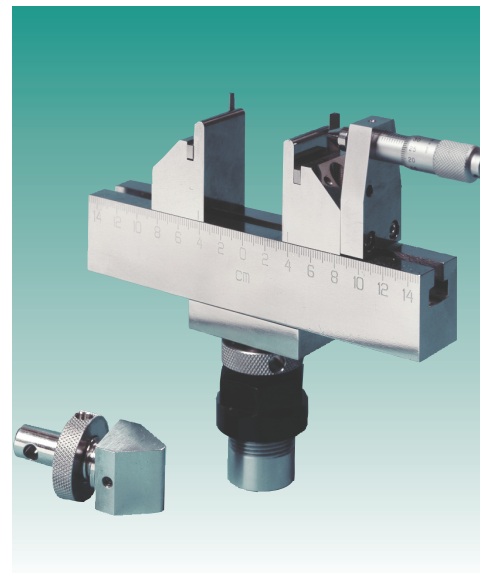
The bend fixture is constructed from stainless steel and features a micrometer to adjust the location of the crack front and adjustable specimen stops for Repeatable specimen alignment. An adjustable span 4-point conversion kit is also available. Although designed for tests on microelectronic components, the fixture may also be used for a variety of other bend and flexure tests on other materials and components.

Principle of operation

The initial span of the bend fixture is easily set and locked into position. Accurate specimen location is assured by the precision micrometer and adjustable specimen stops. The upper anvil applies a bending force to the specimen. The fixture is supplied with a single upper anvil for 3-point operation but this can be easily replaced with an optional 4-point conversion kit (2810-413).

Application range

- Bend and flexure tests on microelectronic components to SEMI G69-0996 at ambient and non-ambient temperatures
- Other general purpose bend tests where the specification suits



▲ 3-Point bend fixture in compliance with SEMI G69 - 0996

Bend Fixture for Microelectronics

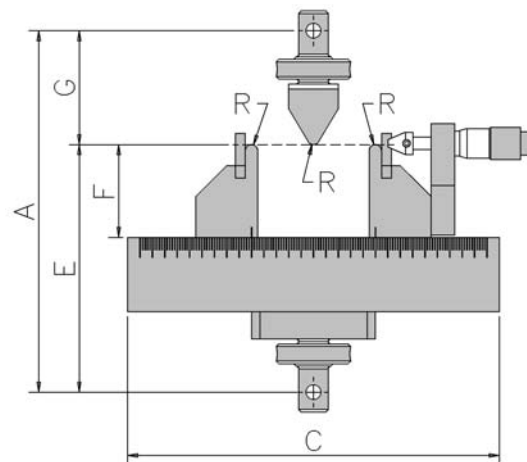
Catalog Number 2810-412

Specifications

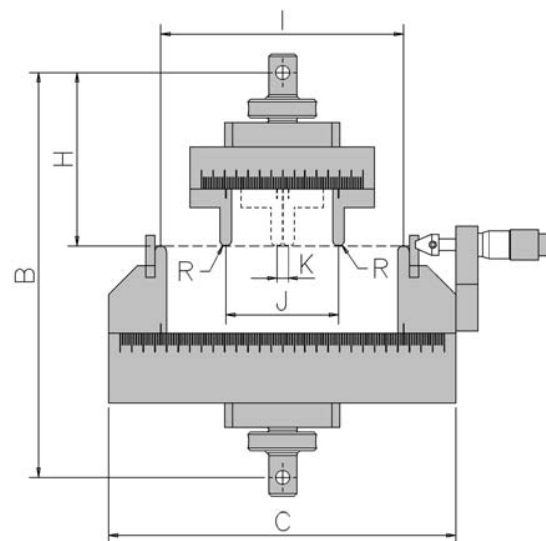
Catalog Number	2810-412
Capacity	2 kN (200 kgf, 440 lb)
Maximum Specimen Width	25 mm (0.98 in)
Mechanical Connection	Upper: 6mm (type Om) Lower: 6mm (type Om)
Temperature Range	-75 °C to 300 °C (-103 °F to 572 °F)
Height (A, 3-point)	146 mm (5.75in)
Height (B, 4-point)	175 mm (6.89 in)
Length (C)	150 mm (5.91 in)
Lower Anvil Height (E)	100 mm (3.94 in)
Maximum Test Travel (F)	37.5 mm (1.48 in)
Upper Anvil Height (G, 3-point)	46 mm (1.81 in)
Upper Anvil Height (H, 4-point)	75 mm (1.93 in)
Maximum Upper Span (J)	49 mm (1.93 in)
Minimum Upper Span (K)	5 mm (0.20 in)
Anvil Radius (R)	2.5 mm (0.10 in)
Anvil Hardness	44 HRC
Weight	
3-Point Upper Anvil Assembly	0.13 kg (0.28 lb)
4-Point Upper Anvil Assembly	0.47 kg (1.05 lb)
Lower Assembly	1.27 kg (2.81 lb)

Accessories

Catalog Number	Description
2810-413	4-point conversion kit for 2810-412 bend fixture



▲ 3-Point bend configuration



▲ 4-Point bend configuration