

## GE399-22 Bend Fixture for Fracture Toughness Testing

### Overview

The GE399-22 bend fixture meets the requirements of ASTM E399 for testing the fracture toughness of metallic materials and ASTM E1820 for fracture toughness testing. The fixture support rollers are able to rotate and translate as specified in ASTM E399 and ASTM E1820. The rollers are attached in a manner which ensures initial roller position against the stops for a fixed support span. The GE399-22 is suitable for fracture toughness testing side edge bend SE(B) and arc shaped bend A(B) test specimens.



### Features

- Made per ASTM E399 for linear-elastic plane-strain fracture toughness  $K_{Ic}$  of metallic materials and ASTM E1820 for measuring fracture toughness
- Can be used for both fatigue precracking and fracture toughness
- Tests compact tension, disc shaped tension and arc shaped tension samples

### Specifications

Model	GE399-22
Span Length	Customizable to meet your sample requirements
Roller Diameter	Customizable to meet your sample requirements
Force Capacity	Customizable to meet your test requirements
Temperature	0 - 70 °C (32°F to 158°F) *Other ranges are available
Adapters	Adapters are available to fit all brands of test machines

Contact an application engineer to configure a solution to your application requirements.