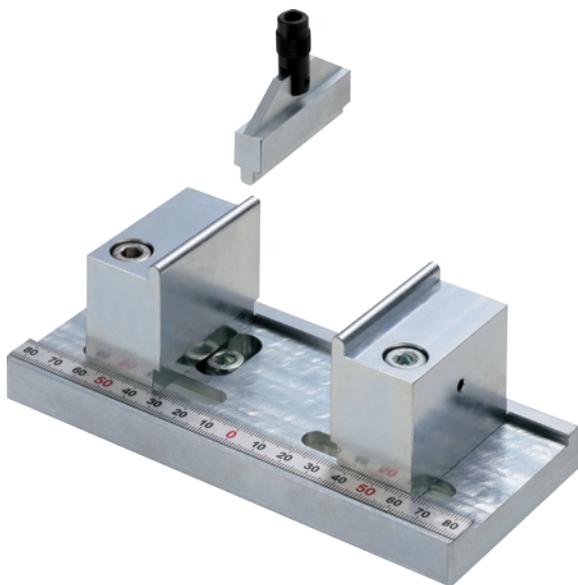
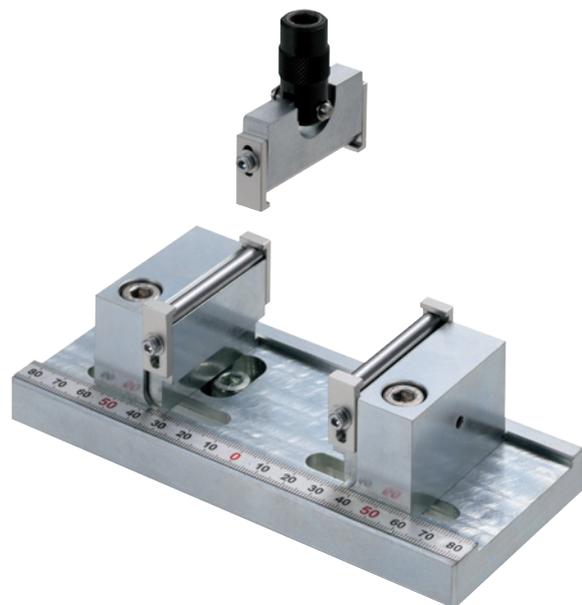


## 3-Point Bending Test Fixture BT-500N, BT-5000N, BT-5000N-CB

For testing the bending force and breaking strength



BT-500N



BT-5000N

### Feature

- For testing bending force and breaking strength of ceramic, glas, composites, plastic, metal etc.
- Adjustable clamping width
- Suitable for different standards

## Applications

### BT-5000N and BT-5000N-CB

- ISO 17138:2014 und JIS R 1663:2017 - Mechanical properties of ceramic composites at room temperature - Determination of flexural strength
- IEC 60672-2 (1999) and JIS C 2141: 1992 - Ceramic and glass insulating materials - Part 2: Methods of test.

### BT-5000N

- ISO 14704:2000 and JIS R 1601:2008 - Advanced ceramics; Test method for flexural strength of monolithic ceramics at room temperature
- JIS R 1602:1995 - Testing methods for elastic modulus of advanced ceramics

### BT-5000N-CB

- ISO/FDIS 14215:1998 and JIS K 7017:1999 - Fiber-reinforced plastic composites - Determination of flexural properties
- JIS K 7074:1988 - Testing methods for flexural properties of carbon fiber reinforced plastics
- JIS H 7406:1993 - Test method for flexural properties of fiber reinforced metals



## Note

- Particular materials and shapes can not be used.
- Combining with a test stand, more stable measuring becomes possible.
- All information is subject to change without prior notice.

**Optionales Attachment**

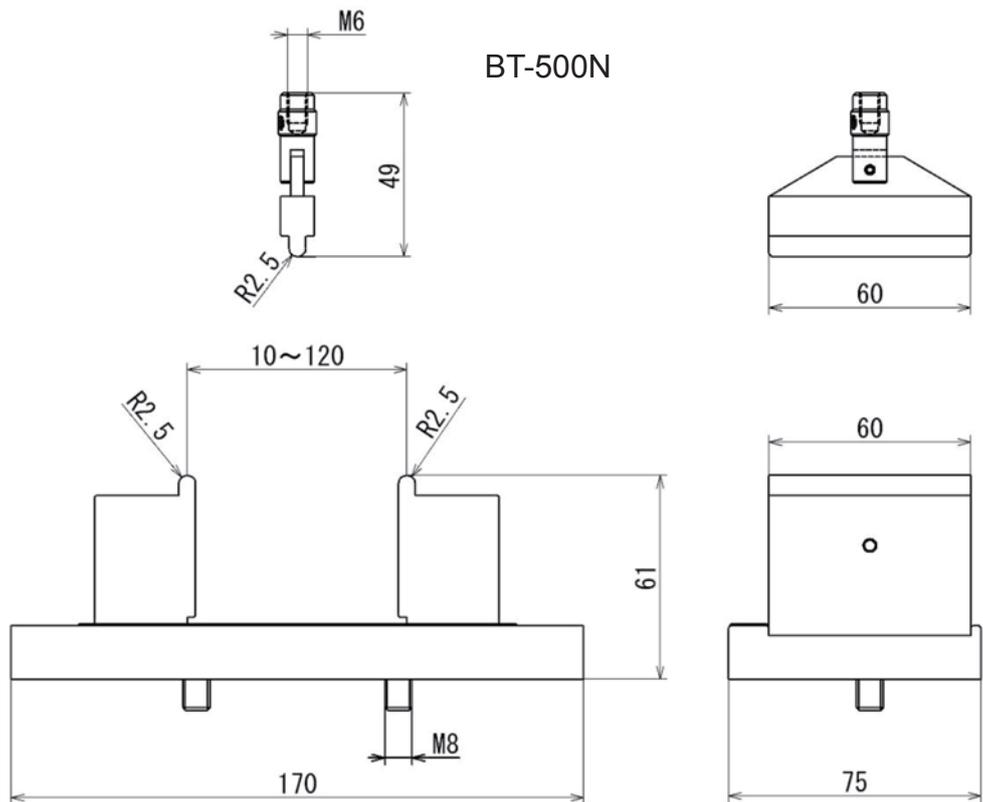


**Groove guide BT-CG**  
Prevents rolling away of round samples during a test

**Specifications**

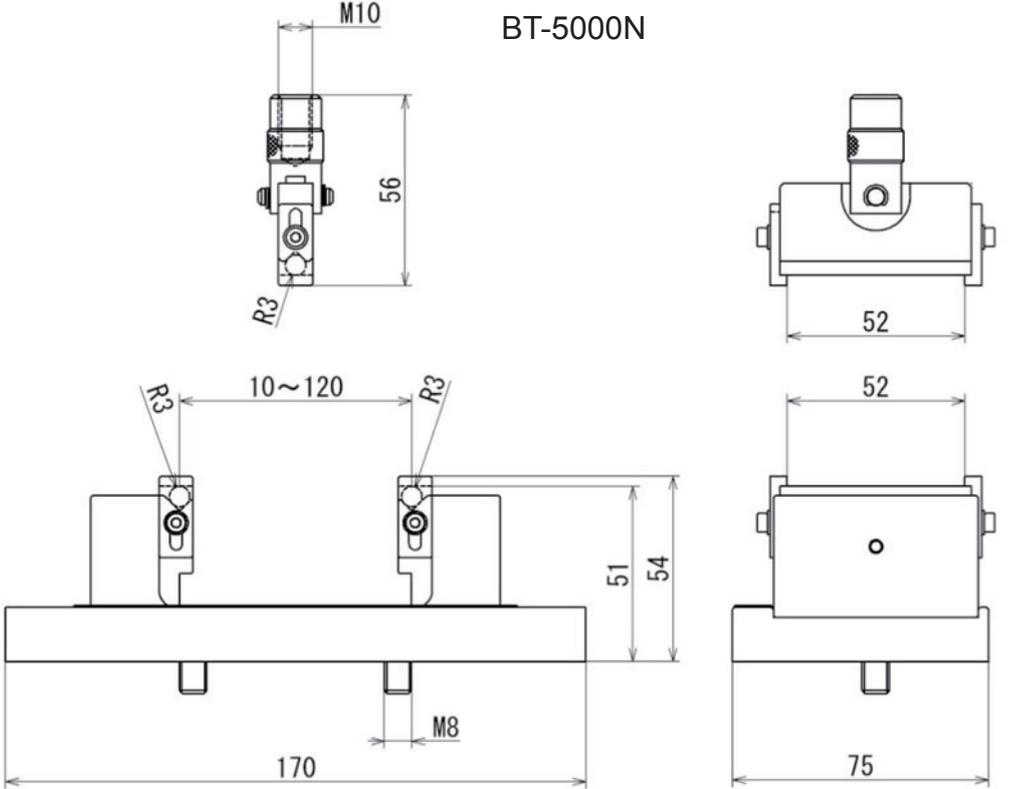
	BT-500N	BT-5000N	BT-5000N-CB
Design	Standard unit	Changeable loading pins	
Capacity	500 N (50 kgf)	5000 N (500 kgf)	5000 N (500 kgf)
mounting screw	M6	M10	M10
Upper loading pin	radius 2.5	radius 3	radius 5
Lower loading pin	radius 2.5	radius 3	radius 2
Weight (upper)	100 g	130 g	150 g
Weight (bottom)	2100 g	2300 g	2300 g
max. sample width	60 mm	52 mm	52 mm
Fulcrum distance	25 - 120 mm		

**Dimensional drawing**



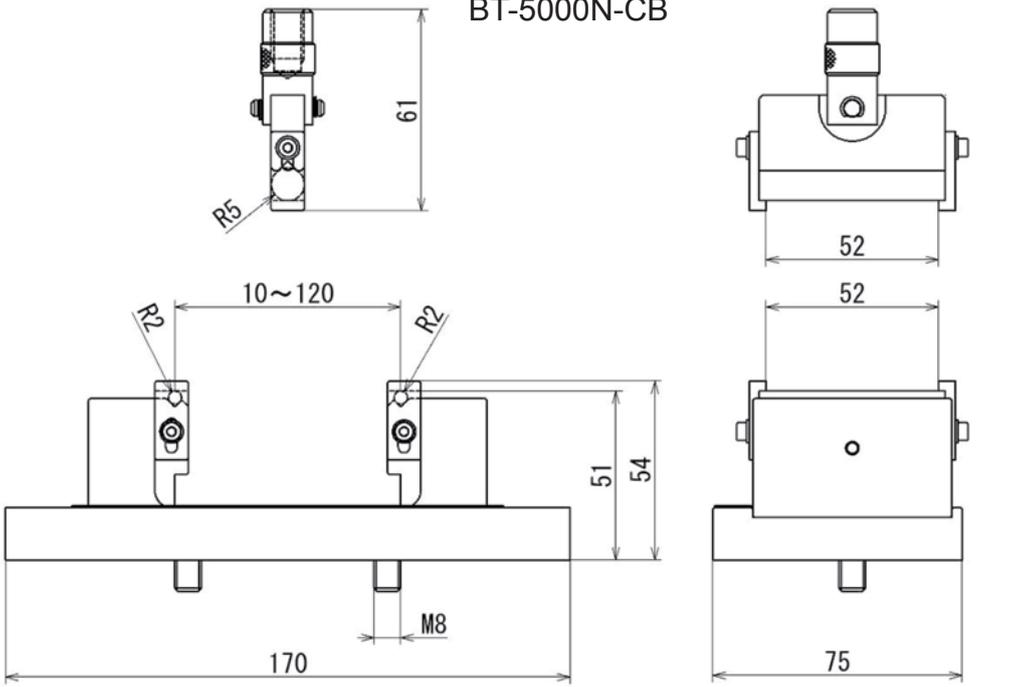
Unit: mm

BT-5000N



Unit: mm

BT-5000N-CB



Unit: mm