

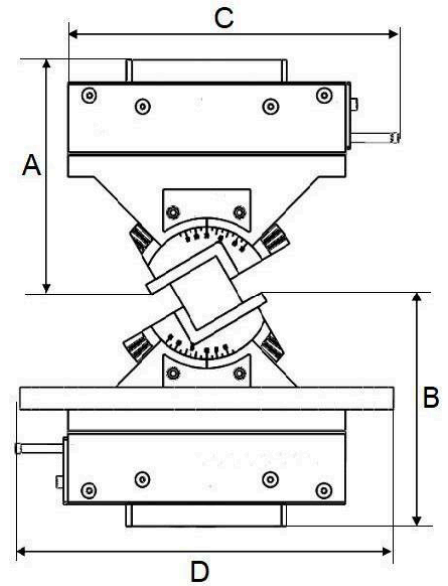


Splitting Fixtures for Indirect Tensile Testing of Rock and Concrete

Heavy-Duty Splitting Fixtures for Rock and Composite Shear Testing

NextGen's category of high-capacity splitting fixtures is engineered for shear and splitting tests on rock, concrete, and composite specimens. These fixtures are purpose-built for use with hydraulic universal testing machines in demanding environments such as geotechnical labs, mining research centers, and structural materials testing facilities. Designed for compatibility with international standards like GB/T 23561.11, they ensure precise and repeatable performance under loads up to 2000 kN or more.

Each fixture in this category features rugged construction, secure mounting systems (including flanges and positioning pins), and flexible specimen accommodation—supporting standard sizes such as $\Phi 50 \times 50$ mm and $50 \times 50 \times 50$ mm. Whether testing natural rock or engineered composites, these solutions provide the mechanical stability and test consistency required for accurate material analysis.



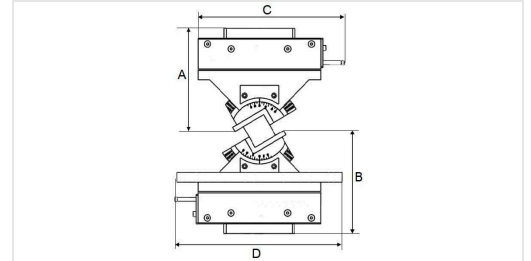
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NGA206B – Rock Shear Fixture

The **NGA206B Rock Shear Fixture** is a high-capacity splitting system designed specifically for shear strength testing of rock specimens. With a rated capacity of ≤ 2000 kN, it supports both cylindrical and cubic sample formats, ensuring versatility across geological testing laboratories. The fixture conforms to GB/T 23561.11 standards and is designed for use under ambient temperature conditions. Its dual-grip system (flange on top and positioning pin on bottom) ensures stability and accuracy throughout each test cycle.

- **Application:** Shear testing for rocks.
- **Maximum Capacity:** ≤ 2000 kN load.
- **Weight:**
 - Upper Grip: 26 kg
 - Lower Grip: 28 kg
- **Connection:**
 - Upper Grip: Flange
 - Lower Grip: Positioning pin
- **Working Temperature:** Ambient.
- **Standard Compliance:** GB/T 23561.11.
- **Grip Dimensions:**
 - Height (A / B): 210 mm (Upper and Lower)
 - Width (C): 310 mm (Upper Grip)
 - Width (D): 350 mm (Lower Grip)
- **Minimum Test Space:** 450 mm.





- **Specimen Size Supported:**
 - Cylindrical: $\Phi 50 \times 50$ mm
 - Cubic: $50 \times 50 \times 50$ mm

Technical Specifications – NGA206B Rock Shear Fixture

Parameter	Specification
Application	Shear test for rocks
Maximum Force	≤ 2000 kN
Weight	Upper Grip: 26 kg Lower Grip: 28 kg
Connection	Upper: Flange Lower: Positioning pin
Working Temperature	Ambient
Standard	GB/T 23561.11
Height (A / B)	210 mm (Upper and Lower)
Width (C / D)	Upper: 310 mm Lower: 350 mm
Minimum Test Space	450 mm
Specimen Size	$\Phi 50 \times 50$ mm $50 \times 50 \times 50$ mm

NextGen’s splitting fixture line offers trusted performance for advanced shear and splitting applications under high loads. With robust design, seamless compatibility with hydraulic UTMs, and adherence to global standards, these fixtures are essential for laboratories and industries focused on evaluating the structural integrity of tough materials. Contact NextGen Material Testing Inc. to find the right splitting fixture setup for your testing needs.

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