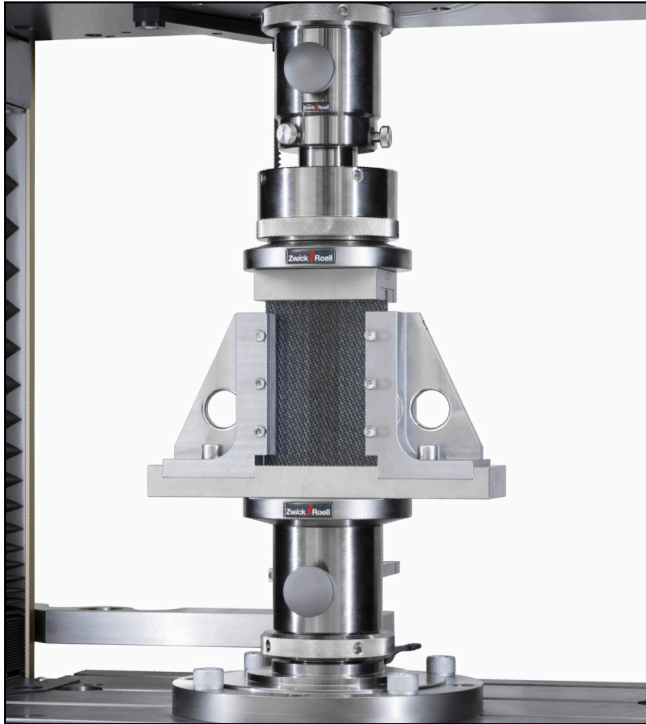


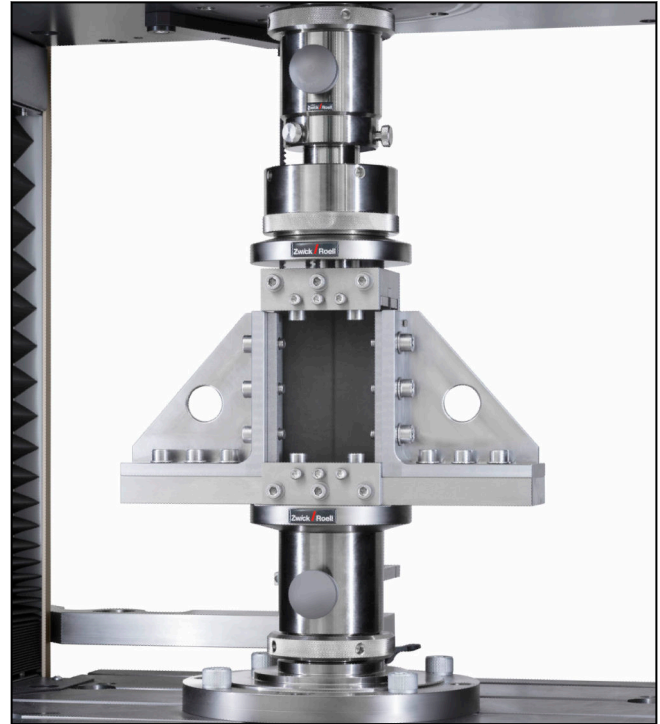
Product Information

CAI compression test fixture (Compression after impact)

CTA: 201513 201512



Airbus version



Boeing version

Applications

Determination of the residual compressive strength after impact loading (CAI) to:

- Boeing BSS 7260, ASTM D7137, ISO 18352, EN 6038
- Airbus AITM 1-0010

Function description

The compression test kit is used to determine the residual compressive strength following impact loading.

The compressive force is applied to the specimen in-plane. Depending on the version, the specimen is either clamped or simply supported at the upper and lower ends.

Version to Boeing, ASTM, ISO, EN, DIN:

Knife edges flank the specimen. For testing to Boeing, ASTM and EN, the specimen is guided but not clamped. For testing to ISO, clamping is possible.

Version to Airbus:

Knife edges flank the specimen. This prevents movements perpendicular to the laminate plane, but bending does not result in parasitic stresses.

Advantages and features

- Easy changing of the specimen
- The fixtures can be used over a wide temperature-range from -70 to 300 °C
- Increased lateral stiffness through support plates
- Interchangeable carbide insert on the upper and lower contact surfaces

Product Information

CAI compression test fixture (Compression after impact)

Technical data

Type Item No.	CAI compression test fixture AITM 1-0010 1063469	CAI compression test fixture to ASTM 1063468	CAI compression test fixture to BSS 7260 1108829	
Standard	Airbus AITM 1-0010	ASTM D7137 SI version, EN 6038, ISO 18352	ASTM D7137 inch version, Boeing BSS 7260	
Test load F_{max}	250	250	250	kN
Dimensions				
Height	182.5	196	196	mm
Width	278.4	350	351.6	mm
Depth, approx.	120	75	75	mm
Specimen dimensions				
Flat specimen, thickness	max. 7.5	3 ... 10.5	2.7 ... 10.5	mm
Ambient temperature	-70 ... +300	-70 ... +300	-70 ... +300	°C
Weight, approx.	13	13	13	kg

Accessories required

Compression platens, e.g.

Description	ArticleNumber
Complete compression test kit, Ø 136 mm.	310986