STANDARDS TEST FIXTURE

Automotive Cable Flexibility Fixture ISO 19642-2

Three-pulley bending fixture for flexibility of automotive cables to ISO 19642-2



OVERVIEW

A three-pulley fixture for measuring the flexibility of automotive cables to ISO 19642-2 and PSA B25 1110. The cable rests on two lower pulleys mounted on a graduated rail with adjustable span, and an upper pulley pushes it down while the bending force is recorded. Interchangeable pulley sets from 30 to 71 mm diameter cover different cable sizes.

KEY FEATURES

- Three-pulley bending arrangement to ISO 19642-2
- Lower pulleys adjustable on a graduated T-slot rail
- Pulley sets Ø 30, 40, 50 and 71 mm, three of each
- Upper pulley on a fork adapter
- Aluminum base with nickel-plated steel pulleys
- Also meets automaker specification PSA B25 1110

TECHNICAL SPECIFICATIONS

Test type	Cable flexibility, three-point bending
Pulley diameters	30, 40, 50 and 71 mm (3 of each)
Span	Adjustable on graduated rail
Coupling	Male clevis, Ø 31.7 mm (1-1/4 in) pin hole
Material	Aluminum base; steel pulleys, nickel-plated
Max. load	On request
Temperature range	On request

APPLICATIONS

- Automotive low-voltage cables
- Wiring harness cables
- Battery and high-voltage cables
- Cable insulation development

STANDARDS ISO 19642-2, PSA B25 1110

Ordering & customization: Specify the cable diameter range and machine coupling.

Drawings available on request
Contact us for dimensional drawings or 3D models of this product.

Specifications are typical and may vary by configuration; confirm at time of quote. Custom versions, couplings and adapters available on request. Part ref. UGC-ST-060