

# AS-PYLON

## PRODUCT INFORMATION Test Fixture Interface Pylon

- Robust design
- Centring via hardened drill bushes
- Floating suspension
- High flexibility in signal transmission

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## NEW SLIM DESIGN WITH FLOATING SUSPENSION

### Application

Pylon interfaces are connection/transfer elements equipped with interface blocks to transmit signals between test equipment and the test system in a reliable manner. The newly optimised Pylon interface has a slim design and a floating suspension for floating mounting on the test fixture. It has been designed to be mounted on the rear panel quickly and easily to suit all test fixture versions.

In addition to the excellent hitting accuracy while maintaining contact force, it offers optimum alignment at the mating interface (e.g. Pylon receiver), enabling positioning errors of up to  $\pm 2.8$  mm to be compensated. The new Pylon interface is part of an INGUN test fixture with corresponding test system interface and is available separately for your own customisation.

### Features

- Robust design for high stability with low deflection
- Centring via hardened drill bushes for best hitting accuracy with high contact quality while maintaining contact force
- Floating suspension on the test fixture for optimal alignment with the corresponding interface (e.g. the Pylon receiver)
- High flexibility in terms of signal transmission with various interface block versions (e.g. SI, HS, HF, LL, PN)

### Technical data

- Maximum deflection:  $+ 0.3$  mm
- Operating temperature range:  $+ 10$  °C to  $+ 60$  °C
- Centring compensation floating suspension:  $\pm 0.75$  mm
- Centring compensation test fixture interfaces (AS):
  - AS-PYLON-484-12-V2, AS-ITA-648-16-V2 (centring mandrel  $\varnothing 9.45$  mm):
    - Fixed bearing:  $\pm 0.025$  mm
    - Moveable bearing:  $\pm 0.275$  mm
  - AS-GR2270/71-484-12-V2 (centring mandrel  $\varnothing 10.15$  mm):
    - Moveable bearing: (L):  $\pm 0.075$  mm
    - Moveable bearing: (R):  $\pm 0.075$  mm (equilateral play)

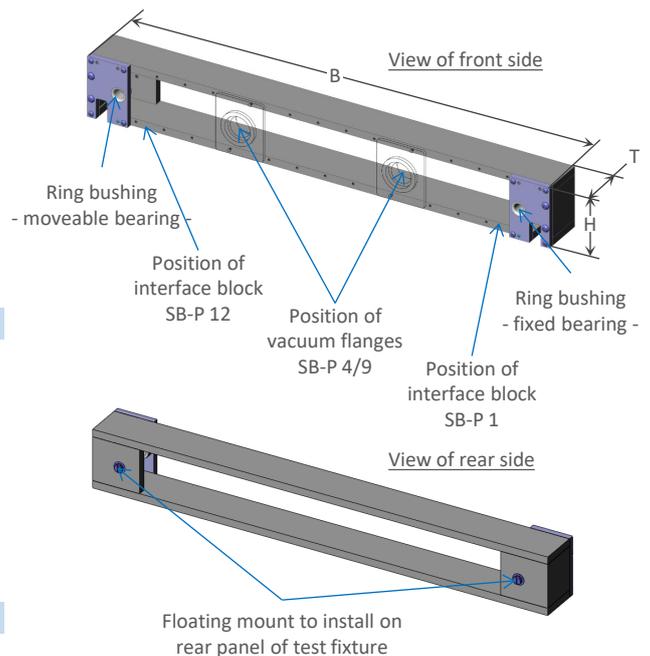
### Delivery

The pylon interface is delivered assembled, including pull-in plates. Interface blocks, dummy plates and vacuum flanges must be ordered separately.

### Ordering Information

Part number	Designation	Version	Outer dimensions (WxDxH) / Mounting
<b>Pylon interface (AS)</b>			
109145	AS-PYLON-484-12-V2	Interface for 10x interface block and 2x vacuum connection	484 x 54 x 64 mm
109715	AS-GR2270/71-484-12-V2	Interface for 10x interface block and 2x vacuum connection	484 x 54 x 64 mm
111175	AS-ITA-648-16-V2	Interface for 14x interface block and 2x vacuum connection	648 x 54 x 64 mm
<b>Accessories</b>			
2487	SB-B-BLP-ALU	Dummy panel	Test system side / DUT side
109725	SB-P-VA-001-PG16	Vacuum flange for Pylon interface	DUT side
22470	SB-T-SO-001-Vacuum flange	Vacuum flange for Pylon receiver	Test system side

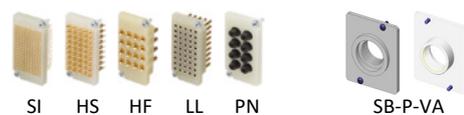
### Design



### Interface

Unloaded:

- Prepared for mounting interface blocks and SB-P vacuum flanges (DUT side).



### Notes:

- The maximum deflection was determined in the laboratory using Pylon receiver RC-Pylon-12-V2 when fully installed. As the deflection depends on many different factors, specifically the individual testing application, INGUN does not guarantee the actual deflection in the test field.
- Interface blocks for customisation of the interface can be found in the test fixture catalogue from page 155 onwards.