

## ASTM D5748 Testing Equipment for Puncture Resistance of Stretch Wrap Film

### Description



#### Puncture Test Fixtures

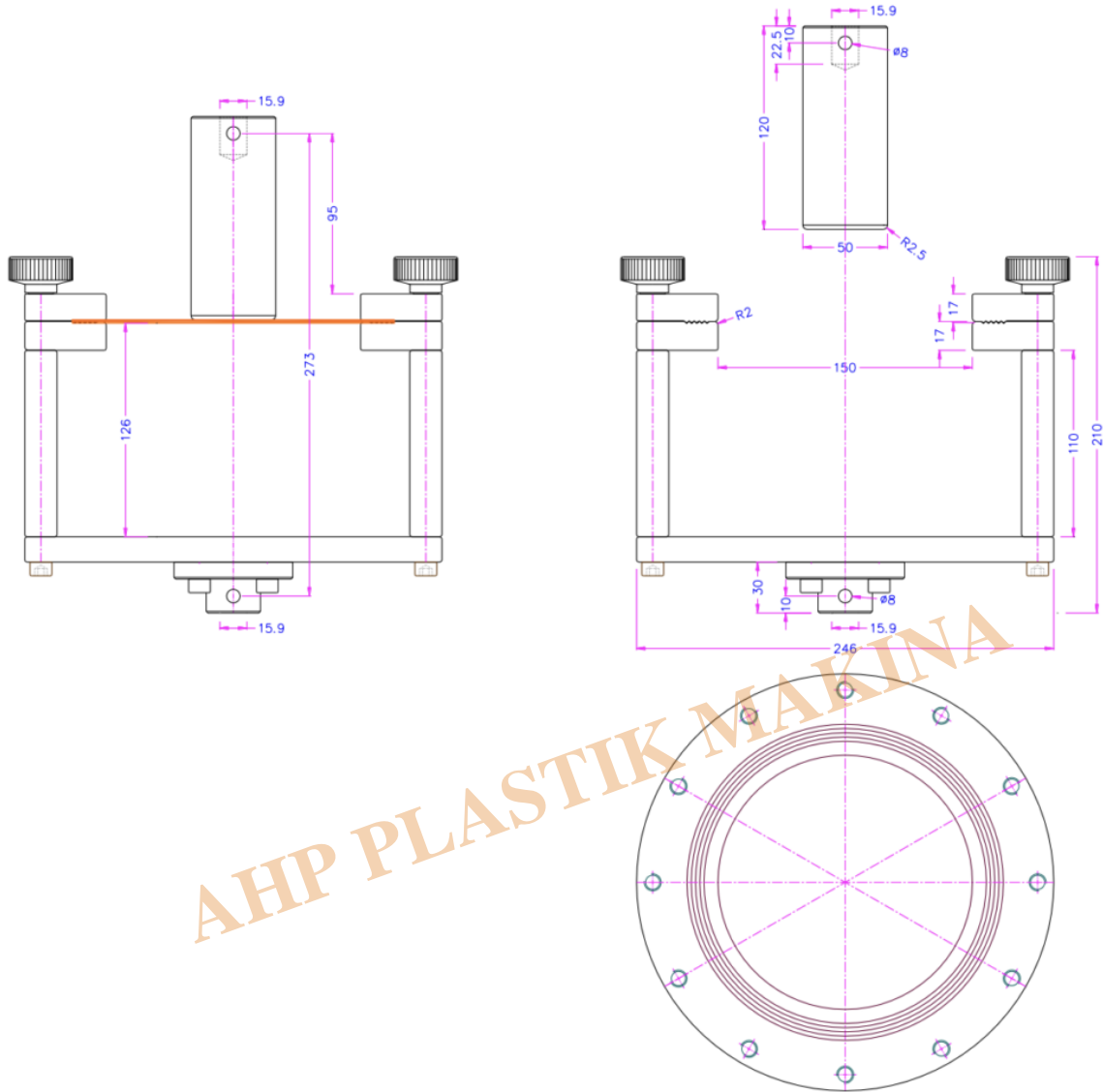
AHP5748-174 test fixture meets ASTM D5748 requirements. ASTM D5748 is used for testing the puncture resistance of stretch wrap film. The fixture consists of a 19mm (0.75 in.) diameter, pear-shaped and clamping fixture having a 102 mm (4 in.) diameter opening and 200 mm depth.

#### PUNCTURE FIXTURES

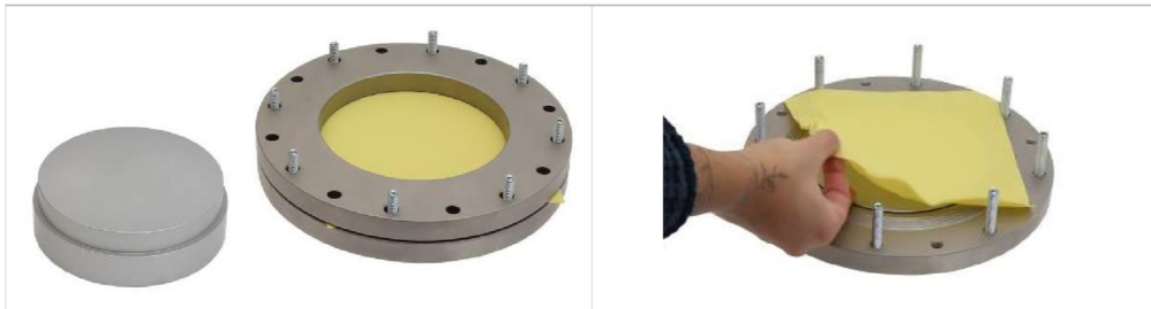
to test geotextiles, plastic films, protective clothing, etc. according to ASTM-D6241-B, DIN EN ISO12236, ASTM-D5748, EN388

Model no.:	AHP174-150-50
Puncture fixture according to <b>ASTM-D6241-B, DIN EN ISO12236</b> to test geotextiles	
Max. load:	50 kN (11,250 lbf)
Adapter:	Af159. Other adapters on request.
Body:	Steel, nickel-plated
Temperature range:	0 ... +70°C Other temperature ranges on request
Weight:	19 kg per fixture with Af159 plunger incl. positioning tool






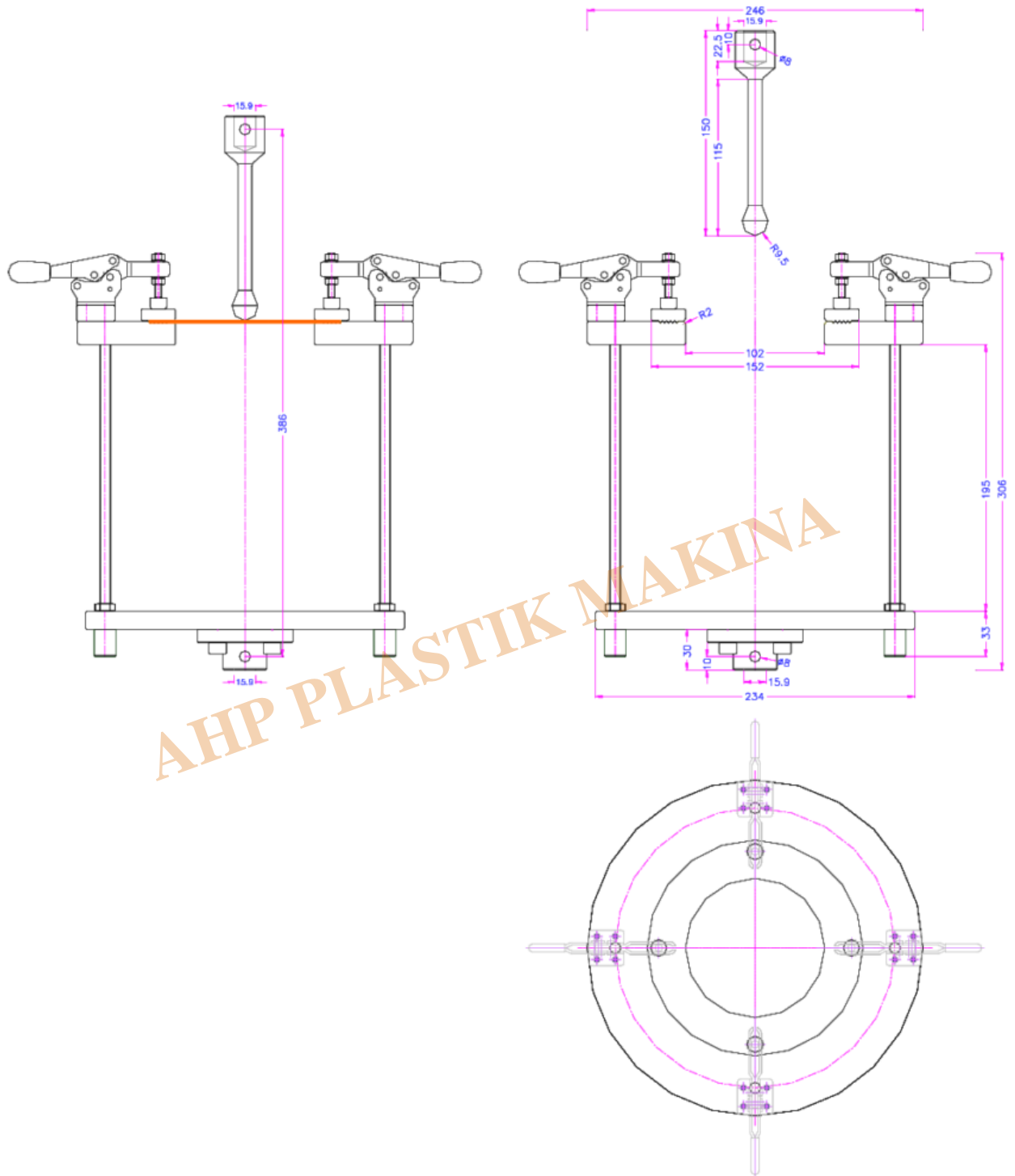
**Sample positioning tool for AHP174-150-50**



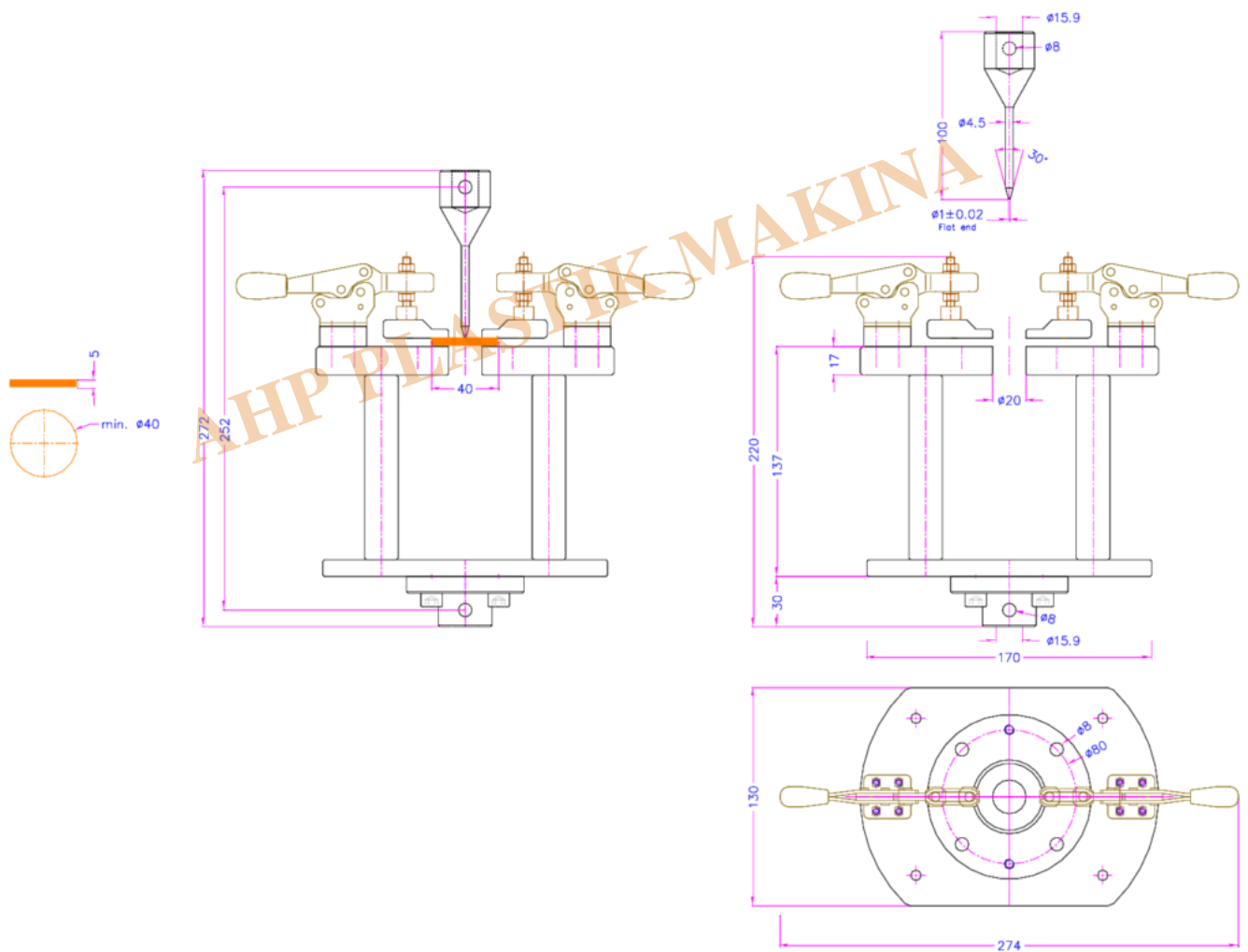
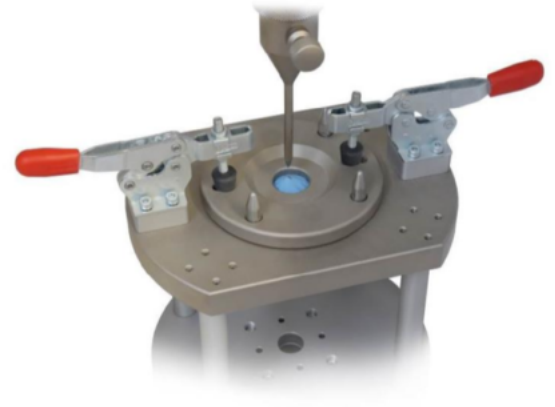
no.:	AHP174-102-PD19Te	
Puncture fixture according to <b>ASTM D5748</b> to determine protrusion puncture resistance of stretch wrap film		
Max. load:	5 kN (1125 lbf)	
Adapter:	Af159. Other adapters on request.	
Body:	Steel, nickel-plated	
Temperature range:	0 ... +70°C Other temperature ranges on request	
Weight:	8.9 kg per fixture with Af159 plunger	

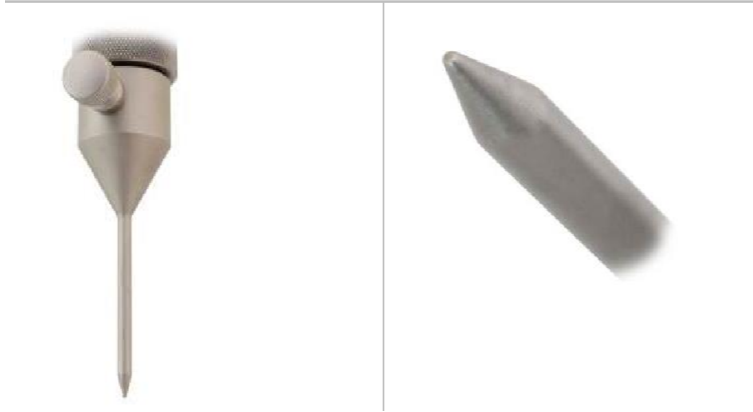
The image shows a mechanical puncture fixture. It consists of a vertical stainless steel plunger with a flat, circular tip. The plunger is mounted on a circular base plate. The base plate has two adjustable clamps with red handles that hold a sample of blue stretch wrap film in place. The entire assembly is supported by a sturdy metal frame with four legs. The base plate is mounted on a lower, larger circular plate.


AHP PLASTIK MAKINA

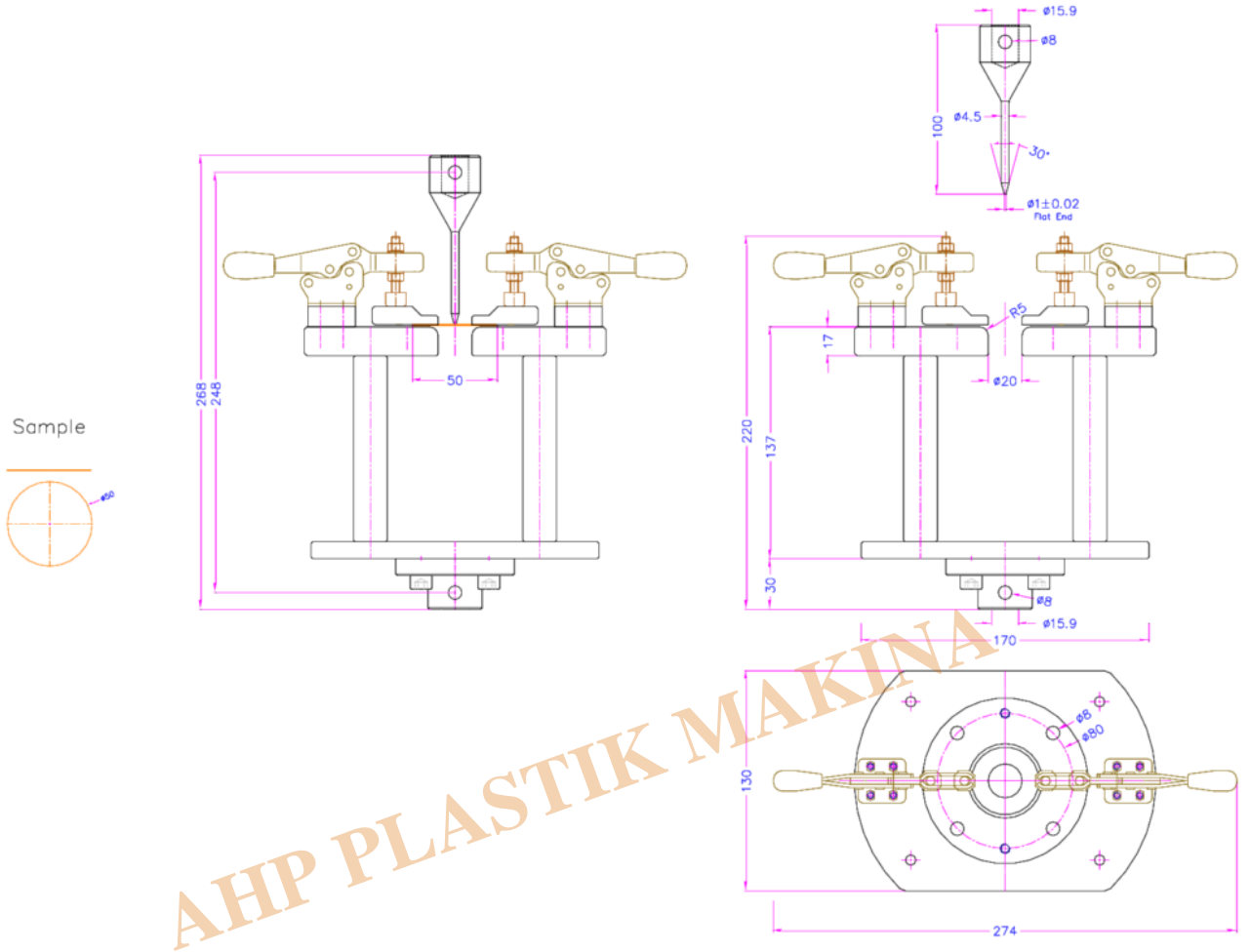


<b>Model no.:</b>	<b>AHP174-20-V1-W130-EN388</b>
Puncture fixture according to <b>DIN EN388</b> to test protective gloves	
Max. load:	20 kN (4500 lbf)
Adapter:	Af159 or Af20. Other adapters on request.
Body:	Steel, nickel-plated
Temperature range:	0 ... +70°C Other temperature ranges on request
Weight:	4.75 kg per fixture with Af159 probe





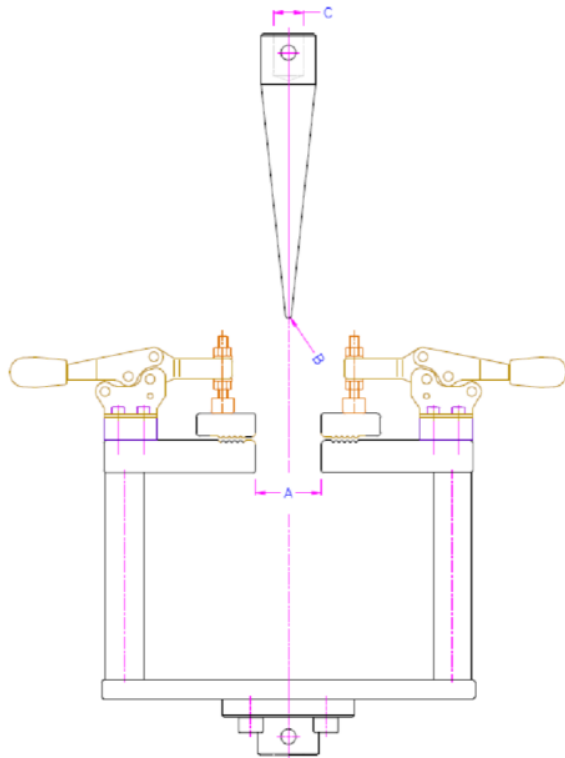


<b>Model no.:</b>	<b>AHP174-20-V1-W130-EN863</b>	
Puncture fixture according to <b>DIN EN863</b> to test protective clothing		
Max. load:	20 kN (4500 lbf)	
Adapter:	Af159 or Af20. Other adapters on request.	
Body:	Steel, nickel-plated	
Temperature range:	0 ... +70°C Other temperature ranges on request	
Weight:	4.8 kg per fixture with Af159 probe	

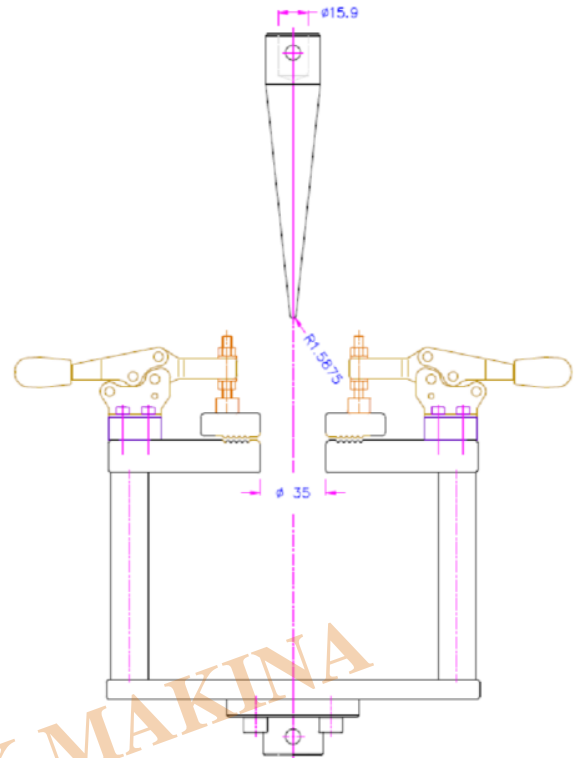


**Examples for custom made solutions:**

 <p><b>AHP174-40-P2</b> Inserts with 20 mm and 30 mm Ø of hole</p>	 <p><b>AHP1598-35H60-FD15-Q200</b> to determine stiffness of fabric according to ASTM-D4032 square design 200x200 mm, aluminium</p>
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AHP174-A-B-C



AHP174-35-R1.5875-Af159

**We can offer AHP174 fixtures according to many other test standards such as, for example:**

ASTM D751

Standard Test Methods for Coated Fabrics

ASTM D1709

Impact Resistance of Plastic Film by the Free-Falling Dart Method

ASTM D3763

High Speed Puncture Properties of Plastics Using Load and Displacement Sensors

ASTM D5494

Determination of Pyramid Puncture Resistance of Unprotected and Protected Geomembranes

ASTM F1342

Protective Clothing Material Resistance to Puncture

DIN EN ISO 20344

Personal protective equipment – Test methods for footwear



DIN EN ISO 7765-1

Plastics film and sheeting – Determination of impact resistance by the free-falling dart method – Part 1: Staircase methods

DIN 53142-1

Testing of board – Puncture test – Part 1: Puncture test with a pendulum punching device

EN 12568

Foot and leg protectors – Requirements and test methods for toecaps and penetration resistant inserts

GOST 13525.8

Fibre intermediate products, paper and board. Method for determination of resistance to bursting

ISO 14704

Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for flexural strength of monolithic ceramics at room temperature

MIL-C-51251A

Cloth, coated; CBR protective

MIL-DTL-6396F

Tanks, fuel, oil, cooling fluids, internal, removable, non-self-sealing

### Category

1. Equipment for Standards
2. Standards