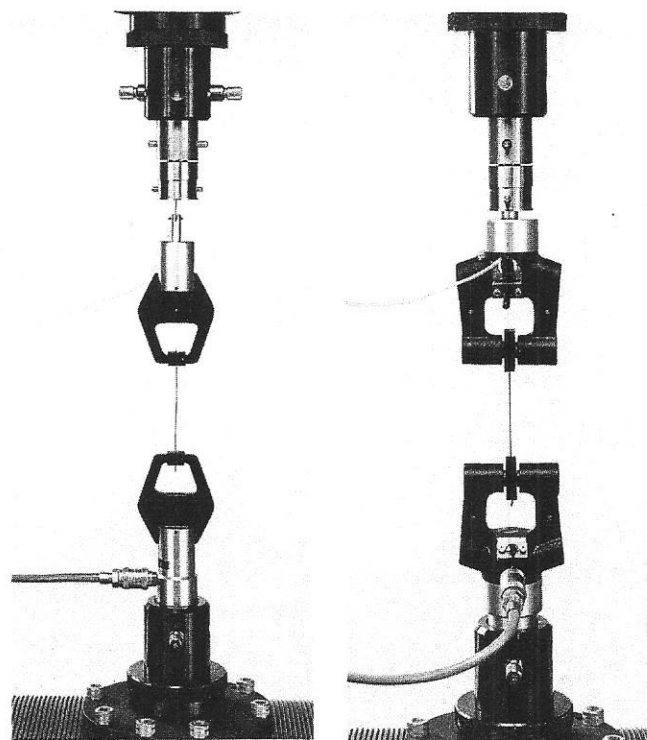


Pneumatic Grips		
Model	Capacity	Max. Specimen Thickness
2712-001	1 lb (500g)	5/32 in.
2712-002	10 lb (5kg)	1/8 in.
2712-003	200 lb (100kg)	1/4 in.
2712-004	200 lb (100kg)	1/2 in.
2712-012	2000 lb (100kg)	0.8 in. (depends on faces used)

Series 2732 High Temperature Pneumatic Action Grips

The rapid specimen insertion and excellent follow-up action provided by pneumatic action grips are particularly desirable when testing in non-ambient temperatures. Instron engineers designed Series 2732

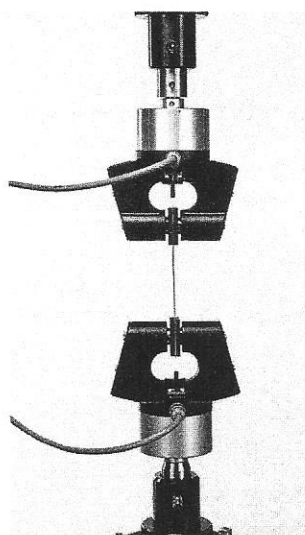


2712-001 Pneumatic Grips

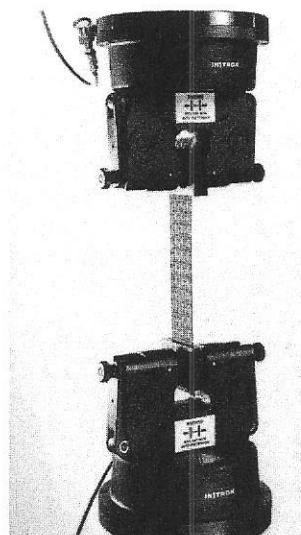
2712-002 Pneumatic Grips

Grips to meet these needs. The grips are constructed of high temperature alloys allowing their use in environmental chambers at temperatures ranging from -100° to +600°F (-73° to +315°C).

The grip faces mount on hardened steel pins to provide self-alignment and prevent uneven axial loads on the specimen. For elevated temperature applications, hands-off operation is accomplished with an optional pneumatic footswitch. Series 2732 grips are supplied without faces. Series 2702 faces, 1 with a choice of smooth-ground, rubber coated ambient temperature only, serrated and line contact types, are suitable for use with these grips.



2712-003/4 Pneumatic Action Grips



2712-012 Pneumatic Grips

High Temperature Pneumatic Grips		
Model	Capacity	Max. Specimen Thickness
2732-001	10 lb (5kg)	up to 1/8 in. max
2732-002	10 lb (5kg)	up to 1/8 in. max
2732-003	200 lb (100kg)	(up to 1/4 in. thick specimen)
2732-004	200 lb (100kg)	(up to 1/2 in. thick specimen)

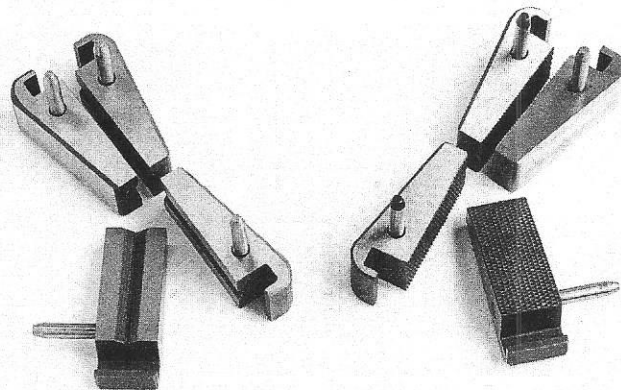
Faces for Side Acting Mechanical and Pneumatic Grips

Series 2702 Grip Faces

The Series 2702 interchangeable grip faces enable optional gripping with Instron's Series 2710, 2712 and 2732 grips. The design of these grips provides self alignment of the grip faces and automatic compensation for variations in specimen thickness. In addition, a wide selection of surfaces and dimensions ensure that the best grip/face combination is available to satisfy most applications. The surfaces available include smooth ground, rubber coated, serrated, and line contact. Faces with a special high friction surface are also available for high temperature testing up to +450°F (+232°C).

The choice of the best gripping surface is largely determined by practical experience with the materials to be tested. In general, the smooth ground surface offers a high gripping efficiency with most flat materials. The rubber coated surface is of value with materials such as monofilaments, wire, and certain plastic films that tend to be weakened by pinching at the edge of the grip face. The serrated surface is recommended for stronger materials that require the greater gripping force.

Line contact faces are usually used to prevent slippage with materials such as paper and polymer films. These faces are similar to the smooth ground faces, but have a 0.25 inch round horizontal rod as one clamping face.



Series 2702 Grip Faces							
Face Surface and Width	Grip Capacity and Height of Faces						
	10 lb/5kg	200 lb/100kg		1000 lb/500kg		2000 lb/1000kg	
	1.0 in. /25mm	1.0 in. /25mm	1.5 in. /38mm	1.0 in. 25mm	2.0 in. /50mm	1 in. /25mm	2 in. /50mm
Smooth 0.5 in. (12mm)	2702-001		2702-011				
Rubber 0.5 in. (12mm)	2702-002		2702-012				
Serrated 0.5 in. (12mm)	2702-003		2702-013				
Smooth 1.0 in. (25mm)	2702-004	2702-031	2702-014	2702-037	2702-021	2702-106	2702-109
Rubber 1.0 in. (25mm)	2702-005	2702-032	2702-015	2702-036	2702-022	2702-107	2702-110
Serrated 1.0 in. (25mm)	2702-006	2702-033	2702-016		2702-023	2702-108	2702-011
Smooth 2.0 in. (50mm)	2702-007		2702-017		2702-024		2702-097
Rubber 2.0 in. (50mm)	2702-008		2702-018		2702-025		2702-098
Serrated 2.0 in. (50mm)	2702-009		2702-019		2702-026		2702-099
Smooth 3.0 in. (76mm)		2702-034		2702-039	2702-027		2702-100
Rubber 3.0 in. (76mm)		2702-035		2702-038	2702-028		2702-101
Serrated 3.0 in. (76mm)					2702-029		2702-102
Smooth 4.0 in. (102mm)				2702-041			
Rubber 4.0 in. (102mm)				2702-040			
Smooth 6.0 in. (150mm)							2702-103
Rubber 6.0 in. (150mm)							2702-104
Serrated 6.0 in. (150mm)							2702-105
Waved Profile 2.0 in. (50mm)							2702-112
Waved Profile 3.0 in. (76mm)							2702-113
Line Contact 1.0 in. (25mm)	2702-010		2702-020				
Hi-Temp 1.0 in. (25mm)	2702-042		2702-044				
Hi-Temp 2.0 in. (50mm)	2702-043		2702-045	2702-046			
Composite 3.0 in. (76mm)							2702-114