

## Specimen Holder | 2701-221 and 2701-222

The combined specimen holder and specimen alignment device (patent pending) is an optional item for 2712-04X pneumatic side-action grips. The spring-loaded grippers hold the specimen while the operator closes the grips prior to starting the test. This avoids the pinch hazard associated with manually holding the specimen near the jaw faces during grip closure. The built-in adjustable specimen centering device ensures repeatable alignment and speedy operation.

### Features

- Specimens are gripped safely with operator's fingers outside the hazard zone
- Adjustable height for a range of specimen lengths
- Ideal for foil, film, and thin specimens where manual interaction is traditionally required to locate the specimen prior to gripping
- Soft plastic finger sleeves included for secure holding of thin flexible specimens
- Built-in specimen centering device provides repeatable specimen alignment and increased speed of operation

### Principle of Operation

Two spring-loaded grippers, one on each grip, allows specimens to be securely held prior to grip closure. The shape of the grippers allows the specimen to be introduced from the front of the grip with ease.

The specimen is gripped on its tabbed ends. This is outside the area being tested and requires no further adjustments. Soft plastic finger sleeves are included that provide secure holding of thin flexible specimens.

After the test is complete, the grippers continue to hold the specimen after the grips are open that allows for convenient specimen disposal.



The spring-loaded grippers apply light pressure to the specimen to hold it in place prior to grip closure. The integral specimen centering device ensures good axial alignment.

## Specifications

		2701-221	2701-222
Compatibility		2712-041, 2712-042	2712-045, 2712-046
Maximum Jaw Face Width	mm	38	50
	in	1.5	2
Maximum Jaw Face Height	mm	50	50
	in	2	2
Specimen Length		Tab ends to be a minimum of 6 mm greater than jaw face height. Parallel specimens to extend at least 6 mm beyond jaw face into throat area of grip	
Gripper Holding Force	N	2.2 to 3.1	2.2 to 3.1
	lbf	0.5 to 0.7	0.5 to 0.7

### Maximum Specimen Weight Without Plastic Finger Sleeves

Typical Metallic Specimen	g	45	45
	lb	0.1	0.1
Typical Plastic Specimen	g	30	30
	lb	0.07	0.07



Rear view of specimen holder showing adjustability for gripper and centering device.

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