

### Connector Approach Mechanisms

Approach Mechanisms offer the possibility to contact connectors from the side. They can be additionally built into a Fixture and are favoured for wear-free contacting of connectors. Mechanically or pneumatically driven versions are available.

Further Approach mechanisms are available on request (e.g. mechanically driven via an inclined plane – see page 52).

<b>Part No. 12306</b>	SAM-E (Contacting Stroke 14 mm) Outside Dimensions: 200 x 70 x approx. 70 mm (w x d x h)
<b>Part No. 12559</b>	SAM-DE (Contacting Stroke 14 mm) Outside Dimensions: 270 x 70 x approx. 70 mm (w x d x h)
<b>Part No. 26239</b>	SAM Pneumatic incl. Solenoid Valve 12 V

### Contact Cleaning Mats

<b>Part No. 3254</b>	KRM 01 Outside Dimensions: 250 x 100 mm
<b>Part No. 3255</b>	KRM 02 Outside Dimensions: 250 x 200 mm
<b>Part No. 3256</b>	KRM 03 Outside Dimensions: 250 x 300 mm
<b>Part No. 8460</b>	KRM 04 Outside Dimensions: 700 x 500 mm
<b>Part No. 21092</b>	KRM 08 Outside Dimensions: on request

PC-Boards often show signs of flux deposits and oxide layers, which cause contamination of the contact surface and subsequently provide an insulating coating. The longer the Test Probes are used the greater the danger that the deposits remain on the test probe tips. In this case INGUN recommends the cleaning of the probe tips by means of a Contact Cleaning Mat. This method



Cleaning Mat



Counter-pressure Springs



Pre-registration Pins  
Part No. 13781



PCB Support Disks  
Part No. 3161



Stroke limiting Disk  
Part No. 2579

can be used especially by tip-styles that have a self-cleaning character, e.g. tip-styles 01, 09, 15, 31, 38, 77, 91, 93, 97, 98.

Contact Cleaning Mats can be used on all INGUN Fixtures that don't have a Pressure Frame Unit. The Mats are available in various sizes.

Further details – also regarding probe cleaning brushes – can be found in our Accessories catalog.

### Counter-pressure Springs

<b>Part No. 2785</b>	FED 10/80/15.0
<b>Part No. 23818</b>	FED 10/85/21.5 dual-stage Fixtures
<b>Part No. 1571</b>	FED 10/90/16 Customizing VA 2030/2040
<b>Part No. 1572</b>	FED 14/80/22 dual-stage Fixtures
<b>Part No. 1569</b>	FED 14/90/17.5
<b>Part No. 1584</b>	FED D-090 W-01 Counter-pressure Spring for spring-loaded Mounting Plate for Manual Fixtures MA

### Placement supports / Pre-registration Pins

<b>Part No. 13781</b>	Pre-registration / Placement Supports made of Delrin 22 mm (h)
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### PCB Support Disks

<b>Part No. 3161</b>	Antistatic PCB Support Disk 5 x 3 mm (d x h)
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### Stroke limiting Disks

<b>Part No. 2579</b>	HBS-KTP for assembly on Probe Plate of Vacuum Fixture
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