




Compression Attachment Table

The suitable compression attachment varies depending on the measuring method.

We introduce the suitable compression attachment for each measurement with classifying into 9 types.

Compression Classifications		
1. Localized compression	4. Compression with clamping a sample	7. Bending
2. Compression in certain areas	5. Compression and peeling off	8. Pressure Resistance/Durability
3. Compression with soft materials	6. Puncturing	9. Others



[1. Localized compression] Such as to compress a small part or quantify finger pressing sensitivity

Features	Pin	Spherical	Finger Press Feel
Images			
Diameter	Φ2 to 5mm	Φ10 to 30mm	Φ16mm
Capacity	100 to 200N	5000N	50N
Mounting	M6	M10	M6
Model	PG Series (PG-2/PG-3/PG-4/PG-5)	SP Series (SP-0510/SP-5020/SP-5030)	UR Series (UR-8S/UR-8M)


[2. Compression in certain areas] Such as circles and rectangles

Features	Disk	Disk (For High Capacity)	Rectangular (For High Capacity)
Images			
Dimensions	Φ40 to 60mm	Φ40 to 100mm	30×20, 75×50, 150×100mm
Capacity	200 to 1000N	5000N	
Mounting	M6	M10	
Model	A-40/60, S-40/40-SL*/60 * With slots for air vent	PC Series (PC-5040/PC-5060/PC-5100)	SQ Series (SQ-5030/SQ-5075/SQ-5150)



[3. Compression with soft materials] Compressing Capacity transmitted through the soft padding of the jig

Features	Disk	Cubicle	Rectangular	Bay Curved
Images				
Dimensions	Φ80mm	25×25mm	100×25mm	
Capacity	1000N			
Mounting	M6			
Model	PAD-D80	PAD-25-25	PAD-100-25	PAD-R80


[4. Compression with clamping a sample] Clamp to stabilize thin wire, rod, or cap shaped samples.

Features	Clamps thin wire-model samples	Clamps round bar-shaped samples	Clamps cylindrical samples such as bottles
Images			
Diameter	Φ0 to 3.2mm	Φ0.5 to 13mm	Φ7 to 100mm
Capacity	150N	500 to 1000N	100N
Mounting	M6		
Model	CP-150N	GC Series (GC-5/GC-15)	CCJ Series (CCJ-100N/100N-01/100N-02, CCJW-100N/100N-01/100N-02)



[5. Compression and peeling off]

Features	E.g. For electronic parts	
Images		
Tip Width	0.25 to 4mm	4mm
Capacity	100N	500N
Mounting	M6	
Model	SJ Series (SJ-TIP-01/SJTIP-02/SJTIP-03/SJ-TIP-04)	GT-20


[6. Puncturing]

Features	E.g. For Thin Sheets / Films
Images	
Capacity	20 to 250N
Mounting	M6
Model	TKS Series (TKS-20N/TKS-250N)



[7. Bending]

Features	E.g. For 3-point Bending Test of Metal Plates	E.g. For Cantilever Bending Test of Cutlery
Images		
Capacity	500N to 5000N	200N
Mounting	M6 or M10	M6
Model	BT Series (BT-500N/ BT-5000N/BT-5000N-CB)	CBJ-200N

[8. Pressure resistance / durability test]

Features	E.g. For packaging bags
Images	
Capacity	500 to 2500N
Mounting	M6 or M10
Model	PR Series (PR-500N/PR-2500N)

[9. Others] Compression test attachments dedicated for the medical equipment

Features	Aspiration and Injection (For Sterile hypodermic manual use syringes for single use with a capacity of 0.5 to 50 ml)	Puncturing (Strength and Sharpness Evaluation of the Acupuncture Needles)
Images		
Capacity	500N	2N
Mounting	M8	M6
Model	MED-SCT-500N	MED-ACU-2N

[Cautions]

- Information in this document is subject to change without prior notice.
- The list of products listed intended for Capacity Measurements and not for any other purposes.
- Unauthorized use and the reproduction without permission of the contents of this table prohibited.
- This table is for product selection references and the guideline and does not guarantee various characteristics or safety. Please refer to the individual specification for details.
- Please note that the contents may not be applicable depending on the environment and conditions.

IMADA CO., LTD.

99, Jinnoshinden-Cho, Aza, Kanowari, Toyohashi,
Aichi 441-8077, JAPAN
Tel: +81-(0)532-33-3288
Fax: +81-(0)532-33-3866
E-mail: info@Capacitygauge.net
Website: <https://www.Capacitygauge.net/en/>



Visit our website for more information on a wide range of product specifications, measurement applications and videos.