





Tension Attachment Table

The suitable tension attachment varies depending on the shape of measurement sample.





We introduce the suitable tension attachment for each shape with classifying into 6 types.

Sample Classifications		
1. Thin samples	3. Fine samples	5. Hooked samples
2. Slightly thick samples	4. Round bar/Columnar samples	6. Others

[1. Thin Samples] Thin Samples such as films and rubber sheets

Features	Lift the lever and fix with one action		Wrap and fix (firm grip with little damages to the sample)	Fix with the lever or the screw
Images				
Max. Sample Thickness	2mm	2 to 4mm	2mm	0.2 to 2mm
Capacity	1000N	500 to 2000N	500N	250 to 500N
Mounting	M6	M6 or M10	M6	M6
Model	KC-1001	GR Series (GR-30/GR-2000)	GC Series (GC-60/GC-100)	FC Series (FC-21/FC-20/ FC-40/FC-21U/ FC-41U-FC-21UQ)


[2. Slightly Thick Samples] Slightly thick samples such as connectors and cables

Features	Lift the lever and fix with one action		Pinch grip with one action	Fix with the screw
Images				
Max. Sample Thickness	4.5 to 10mm	5 to 8mm	6 to 10mm	10 to 30mm
Capacity	250 to 1000N	500 to 5000N	15 to 20N	1000 to 5000N
Mounting	M6	M6 or M10	S-1/SR-1 (standard attachment) or M10	M6 or M10
Model	GP Series (GP-15/GP-30)	KC Series (KC-100/KC-5000N)	PGC Series (PGC-0510/PGC-2530)	GC Series (GC-1100/GC-1200/GC-5000/GCF-1200)




[3. Fine samples] Fine samples such as threads and wires

Features	Wrap and fix (firm grip with little damages to the sample)	Pinch grip with one action	Fix with the screw	
Images				
Max. Sample Diameter	Φ1 to 3mm	Φ6mm	Φ0.5mm	Φ1mm
Capacity	250 to 5000N	500N	50 to 100N	100 to 150N
Mounting	M6 or M10	S-1/SR-1 (standard attachment)	M6	
Model	WG Series (WG-250N/WG-1000N/ WG-5000N)	PGC-0505	FP Series (FP-50/51)	SC Series (SC-3/SC-8)




[4. Round-Bar / Cylinder samples] Pen and bottle shaped samples


Features	For round-bar shaped samples		For cylinder shaped samples
Images			
Max. Sample Diameter	Φ0 to 3.2mm	Φ0.5 to 13mm	Φ7 to 50mm
Capacity	150N	500 to 1000N	100N
Mounting	M6		
Model	CP-150N	GC Series (GC-5/GC-15)	CCJ Series (CCJ-100N/CCJ-100N-01)


[5. Hooked samples] Samples can be hooked such as cardboard and cap


Features	Hook to open For mold resin flip caps	Hook from both sides and pull overcap and so on	Hook and pull cardboard and so on
Images			
Capacity	50N	100N	250N
Mounting	M6		
Model	HFC-50N	SHF Series (SHF-100N/SHF-100N-L)	DF-60


[6. Others]


Use	For crimp terminal of wire harness test		
Features	For samples Terminal side diameter of $\Phi 0.2$ to 6 mm	For samples Terminal side diameter of $\Phi 1$ to 8 mm	For samples Terminal side diameter of $\Phi 4$ to 12 mm
Images			
Model	CH-500N/CW-500N	FW-12/GP-30	CH-5000N/CW-5000N


Use	For polypropylene (PP) strapping band tension test
Images	
Model	PPC-5000N

Use	For loop tension test
Images	
Model	LOP-1000N

Use	For QFP lead hook test
Images	
Model	SJ-QFP-01

Use	For sewed buttons tension test
Images	
Model	BC-15/PGC-BC

Use	For can opening test
Images	
Model	PTD-100N/PTF-100N

Use	For needle bonding test
Images	
Model	MED-NPT-200N

[Cautions]

- Information in this document is subject to change without prior notice.
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- 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.

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