

VICE GRIPS



SPECIFICATION
SS-FM-3408-0101
January 2001

INTERNET
www.force-gauge.net

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GF-12: For Minature Components and Small Parts

Description

Grips are supplied in pairs and are manually tightened using a movable jaw. The jaw features a tapered nose which is ideal when space is limited. A front thumbscrew ensures quick installation and release of samples. Grips are supplied with #10-32 thread mounting holes.

Specification

Maximum Capacity	150 N	30 lbf
Face Width	2.0 mm	1/16 in
Single Grip Length	50 mm	2.0 in
Grip Weight	0.03 Kg	0.06 lb

Applications

Tensile testing of minature components and small parts by stretching a sample to break and recording the relationship between force and extension.



GF-53: Miniature Vice Grips

Description

Stainless steel grips for light-duty testing applications. Jaw faces tighten manually via finger screws on each side of the fixture. Provided with #10-32 thd. mounting holes for use with chatillon light duty gauges.

Specification

Maximum Capacity	100 N	20 lbf
Opening Between Faces	5 mm	0.2 in
Face Width	20 mm	0.8 in
Gripping Length	13 mm	1/2 in
Combined Grip Length	32 mm	1.25 in
Upper Grip Weight	0.06 Kg	0.12 lb

Applications

Tensile testing of paper, rubber, thin plastic film, textiles, waxed paper and films containing slip additive by stretching a sample to break and recording the relationship between force and extension.



TG74: Adjustable Rear Face Vice Grip 5 kN - 1124 lbf

Description

Vice action grips with fully adjustable faces for alignment purposes. The grips are supplied as standard with plain jaw faces 25mm x 25mm (A range of interchangeable jaw faces are available to order)

Specification

Maximum Capacity	5 kN	1124 lbf
Minimum Load Cell	50 N	11.24 lbf
Maximum Sample Width	50 mm	2.0 in
Maximum Sample Thickness	20 mm	0.8 in
Eye End Diameter	15.85 mm	5/8 in
Weight Each	1.0 Kg	2.2 lb
Length Each	50mm	2.0 in
Temperature Limits	Ambient	

Applications

Tensile testing of paper, rubber, plastics, textiles, foils and films by stretching a sample to break and recording the relationship between force and extension.



TG34: Thin Film Vice Action Grip 500 N - 112.4 lbf

Description

General purpose thin film vice grips, with easy to operate screw action. Each grip is fitted with flat, square, rubber coated jaw faces.

Specification

Maximum Capacity	500 N	112.4 lbf
Minimum Load Cell	20 N	4.5 lbf
Maximum Sample Width	25 mm	1.0 in
Maximum Sample Thickness	3 mm	0.1 in
Eye End Diameter	15.85 mm	5/8 in
Weight Each	0.5 Kg	1.1 lb
Length Each	75 mm	3.0 in
Temperature Limits	Ambient	

Applications

Tensile testing of paper, rubber, thin plastic film, textiles, waxed paper and films containing slip additive by stretching a sample to break and recording the relationship between force and extension.



TG300: Extra Pressure Vice Grip 5kN (1124 lbf)

Description

Vice action grips supplied with an independent tightening tool for extra pressure. One half of the grip faces are corrugated and the remaining half serrated to eliminate sample slippage whilst performing a test.

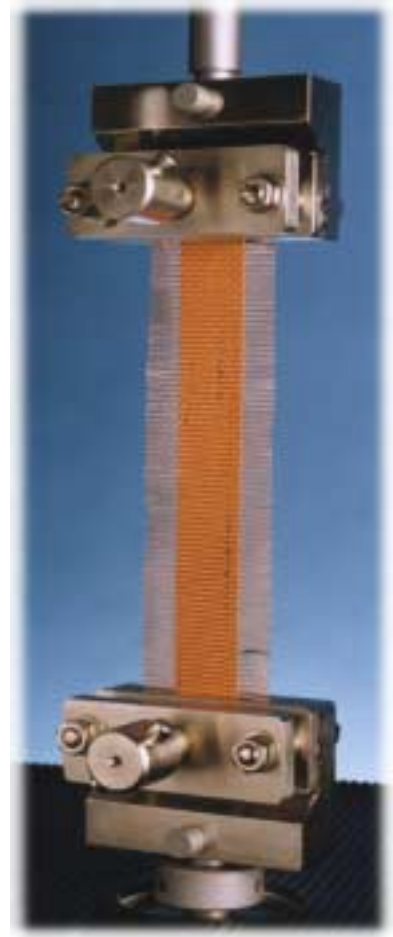
Specification

Maximum Capacity	5 kN	1124 lbf
Minimum Load Cell	100 N	22.5 lbf
Maximum Sample Width	55 mm	2.2 in
Maximum Sample Thickness	12 mm	0.5 in
Gripping Length	35 mm	1.4 in
Eye End Diameter	15.85 mm	5/8 in
Weight Each	1.5 Kg	3.3 lb
Length Each	65 mm	2.6 in
Temperature Limits	-70°C +200°C	

Applications

TG300: Tensile testing of textiles, leather, etc., by stretching a sample to break and recording the relationship between force and extension.

TG310: Tensile testing of rigid plastic materials, metals etc, by stretching a sample to break and recording relationship between force and extension.



TG26: Quick Release Vice Action Grip 1 kN - 225 lbf

Description

Quick release vice action grips, supplied with interchangeable jaw faces

Specification

Maximum Capacity	1 kN	225 lbf
Minimum Load Cell	50 N	11.2 lbf
Maximum Sample Width	100 mm	4.0 in
Maximum Sample Thickness	12 mm	0.5 in
Eye End Diameter	15.85 mm	5/8 in
Weight Each	1.0 Kg	2.2 lb
Length Each	150 mm	6.0 in
Temperature Limits	-70°C +200°C	

Applications

Tensile testing of paper, rubber, thin plastic film, woven and non woven textiles by stretching a sample to break and recording the relationship between force and extension. This is a very general purpose grip which can be used for a wide variety of samples



GF-1: Manually Tightened Vice Grip

Description

Versatile grip with individually adjustable jaw faces. Standard faces are hardened tool steel with a serrated clamping surface. Smooth clamping surfaces are also available (specify when ordering). Upper grip has ball socket mounting screw to assure proper alignment with lower grip.

Specification

Maximum Capacity	1 kN	200 lbf
Face Width	32 mm	1-1/4 in
Opening Between Faces	6 mm	1/4 in
Throat Depth	44 mm	1-3/4 in
Combined Grip Length	165 mm	6-1/2 in
Upper Grip Weight	0.43 Kg	0.95 lb

Applications

Tensile testing of plastics, rubbers, paper, foils and films by stretching a sample to break and recording the relationship between force and extension.



ORDERING INFORMATION

Model	Part No.	Description
GF-12	Chatillon GF12	Miniature Component Grip
GF-53	Chatillon GF53	Miniature Vice Grip
TG74	01/1590	Vice Action Grip with Adjustable Rear Face (5 kN - 1124 lbf)
TG74/C1	01/1592	Cross Cut Jaw Faces (25 x 25 mm - 1 x 1 in) fits TG74
TG74/C2	01/1593	Cross Cut Jaw Faces (25 x 50 mm - 1 x 2 in) fits TG74
TG74/P	01/1591	Plain Jaw Faces (25 x 50 mm - 1 x 2 in) fits TG74
TG74/R1	01/1594	Rubber Jaw Faces (25 x 25 mm - 1 x 1 in) fits TG74
TG74R2	01/1595	Rubber Jaw Faces (25 x 25 mm - 1 x 1 in) fits TG74
TG34	01/0671	General Purpose Thin Film Vice Grips (500 N - 112.4 lbf Max)
TG300	01/2243	Extra Pressure Vice Grip with Independent Tightening Tool (5 kN - 1124 lbf)
TG26	01/1502	Quick Release Vice Action Grip (1 kN - 225 lbf Max)
GF-1	Chatillon GF1	Tensile Grip

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TEST AND CALIBRATION INSTRUMENTS