

SPECIALITY GRIPS



SPECIFICATION
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INTERNET
www.ametek.com
www.chatillon.com
www.lloyd-instruments.co.uk

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TG73/50 & TG73/80: Puncture Test Jig

Description

The Puncture Test Jig consists of a circular frame 50 mm, 2.0 in diameter, with three equidistant clamps around the circumference, and a metal probe 20 mm, 0.8 in diameter which punctures the film. TG73/80 has an 80 mm, 3.0 in diameter frame and a 12.5 mm, 0.5 in diameter probe.

Specification (TG73/50)

Maximum Capacity	500 N	112.4 lbf
Minimum Load Cell	20 N	4.5 lbf
Aperture Diameter	50 mm	2.0 in
Probe Diameter	20 mm	0.8 in
Temperature Limits	Ambient	Ambient

Specification (TG73/80)

Maximum Capacity	500 N	112.4 lbf
Minimum Load Cell	20 N	4.5 lbf
Aperture Diameter	80 mm	3.0 in
Probe Diameter	12.5 mm	0.5 in
Temperature Limits	Ambient	Ambient

Applications

Puncture testing of thin plastic film



TG33: 5 N (1.1 lbf) Lightweight Tension Grip

Description

Lightweight spring loaded rubber faced grips for use with very light loads. Its low mass allows the grip to be used on very small load cells.

Specification

Maximum Capacity	5 N	1.1 lbf
Minimum Load Cell	5 N	1.1 lbf
Maximum Sample Width	25 mm	1.0 in
Maximum Sample Thickness	2 mm	0.08 in
Eye End Diameter	15.85 mm	0.62 in
Weight Each	0.1 Kg	0.22 lb
Length Each	100 mm	4.0 in
Temperature Limits	0°C +35°C	0°F + 95°F

Applications

Lightweight grip for tensile testing of paper, thin plastic films, foils, etc, by stretching a sample to break and recording the relationship between force and extension.



ORDERING INFORMATION

Model	Part No.	Description
TG73/50	01/1903	Puncture Test Jig 50 mm, 2.0 in Aperture Ø
TG73/80	01/1782	Puncture Test Jig 80 mm, 3.0 in Aperture Ø
TG33	01/1052	Lightweight Spring Loaded Grip 5 N, 1 lbf



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