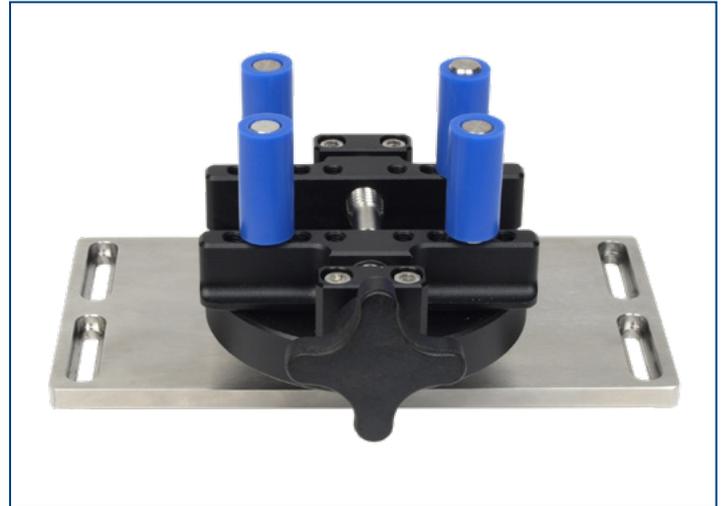


Container Holders for Tensile Testing



▲ 432-677 V-jaw vice clamp, three jaws shown with quick lock and release lever



▲ 432-493 Small 4-peg container holder

Description

Mecmesin offers several lower fixture solutions for the gripping of containers during tensile testing. All provide adjustability to securely hold different sample shapes and sizes.

Applications

Used for tensile testing of:

- Plastic container closures; pull-off, disassembly resistance
- Opening force of pull-up, sports style or flip-cap closures
- General product or packaging pull tests

V-jaw Vice Clamps, QC fitting

Two versions are available, each with opposing V-shaped, serrated rubber-faced jaws. These securely grip samples made of smooth or low-friction materials, such as plastics.

432-678 features 4 jaws which are adjusted using a knob to position them equidistantly around the central axis.

432-677 features 3 jaws where the single jaw features a quick lock/release lever to speed up testing of batches of the same sized container.

Axial alignment is achieved by lateral adjustment of the clamping component in the dovetail support, locked with a thumbwheel.

Both versions feature a bore hole for connection to a QC-20 fixing post.



▲ 432-677 Pull-up force to open the spout of a closure

V-jaw vice clamp, three jaws with quick lock and release lever

432-677 has three jaws, two vertically spaced on one side, clamping with a single jaw at mid-height. The double jaw is precisely adjusted with a screw-action handle and the single jaw is locked and unlocked into place with a toggle-action lever. This allows quick loading and release of the test sample.

V-jaw vice clamp, four jaws with precision screw-action adjuster

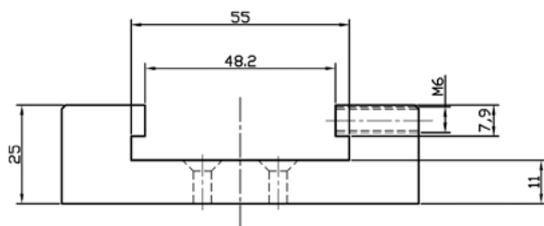
432-678 has four jaws, for increased stability, with two jaws being vertically spaced on either side, clamping at alternate heights. Both jaws are precisely adjusted around the central axis with a screw-action handle.



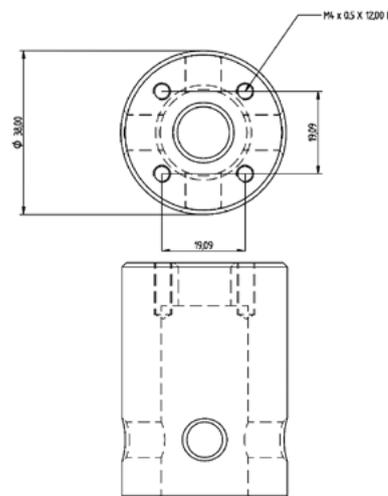
▲ 432-677 clamping and support components, open and closed condition

▲ 432-678 clamping and support components, open condition

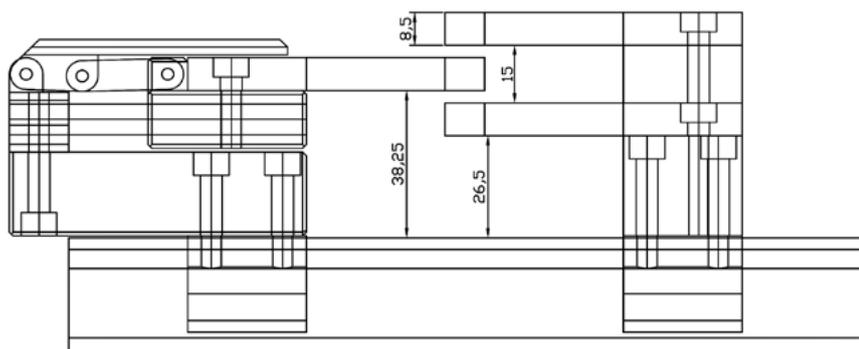
Part No.	Load Capacity	Post Ø	Opening Range	Lateral Adjustment	Height
432-677	500 N/ 51 kgf / 112 lbf	20 mm	10 - 80 mm (0.4 - 3.15")	±60 mm (±2.36")	110 mm (4.33")
432-678					
432-679	Repair kit including replacement rubber jaw faces for regular high-load usage				



▲ Support component



▲ QC-20 fitting



▲ 432-677 Clamping component side view

Container Holder (4-peg adjustable)

The 4-peg container holder is designed to securely hold different shapes and sizes of containers during tensile testing. Gripping pegs are screwed into the appropriate holes on each of the two fixing rails. The rails are then adjusted by turning the knob to clamp the sample. The pegs are rubber-coated to provide enough friction to grip the container without damaging its surface. Available in two sizes both of which connect directly to the base of a motorised test stand.

Part No.	Load Capacity	Thread 1	Opening Range	Height
432-411	100 N / 10 kgf / 22 lbf	4 x M5	10 mm - 190 mm (0.39" - 7.48")	102 mm (4.00")
432-493	100 N / 10 kgf / 22 lbf	4 x M5	10 mm - 78 mm (0.39" - 3.07")	103 mm (4.04")



▲ 432-411 Large 4-peg container holder, plastic bottle application

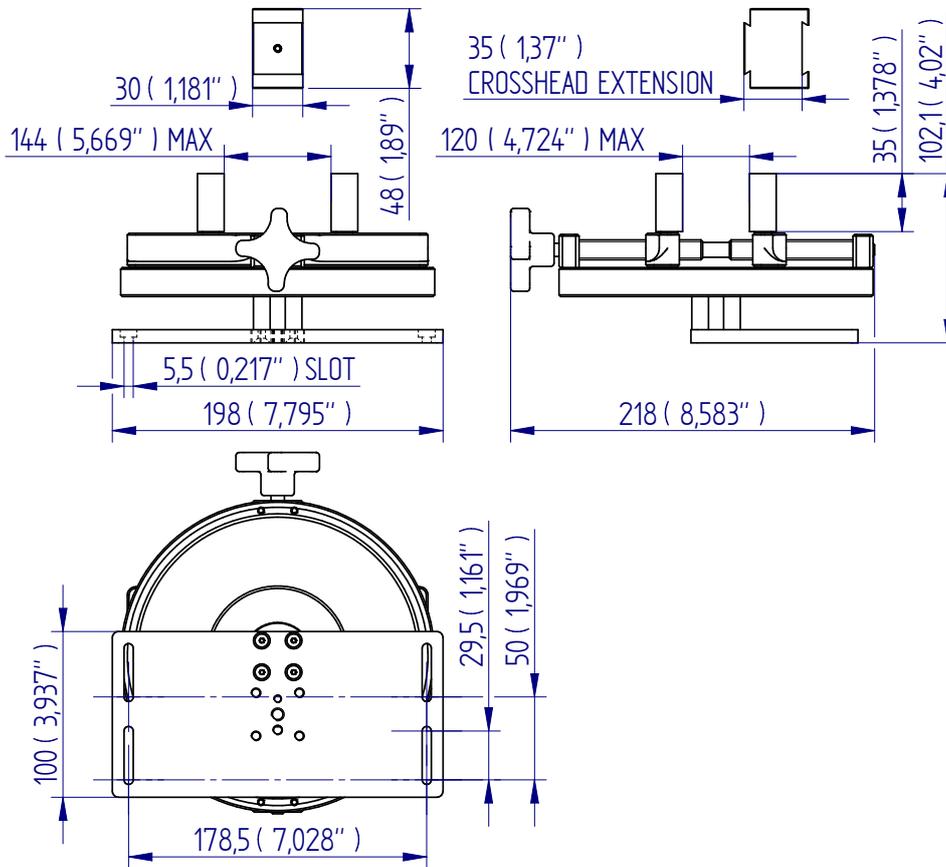


▲ 432-493 Small 4-peg container holder, cosmetics applicator pull-off test



▲ 432-411 Large 4-peg container holder, plastic bottle application

Dimensions mm (inch)



F5 58553
BS EN ISO 9001:2015

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E&OE

Head Office
Mecmesin Limited

w: www.mecmesin.com
e: sales@mecmesin.com

France
Mecmesin France

w: www.mecmesin.com/fr
e: contact@mecmesin.fr

Germany
Mecmesin GmbH

w: www.mecmesin.com/de
e: info@mecmesin.de

North America
Mecmesin Corporation

w: www.mecmesin.com
e: info@mecmesincorp.com

Asia
Mecmesin Asia Co., Ltd

w: www.mecmesin.com/th
e: sales@mecmesinasia.com

China
Mecmesin (Shanghai) Pte Ltd

w: www.mecmesin.com/zh
e: sales@mecmesin.cn