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20 kN & 50 kN Wedge Grips, lever action, QC fitting

Mec243-20 and Mec243-50 – steel

A compact lever-actuated wedge grip available rated to a tensile force of either 20 kN or 50 kN. The initial gripping force is provided by pre-tensioned springs which cause the jaws to close together. The teeth of the jaw faces act to make a preliminary hold of the specimen before the main clamping force is applied by the action of the wedges moving as load is applied to the specimen. A side-action lever arm allows operators to quickly and easily load and release specimens when testing.

Mec 243-20 shown fitted with a half-set of Mec243-BP pyramid jaws

The Mec243 Wedge Grips feature easy interchangeability of jaws making them an ideal universal choice when faced with tensile testing of a variety of shapes and materials. Pyramid (serrated) jaws (Mec243-BP & -BP16) are optimal for testing flat samples up to 16mm thickness. For round samples up to 16mm diameter a set of V-shaped jaws (Mec243-BV & -BV16) are available for use with the Mec243 Wedge Grips. Jaws should be ordered separately.

Mec243-50 Wedge Grip shown fitted with a half-set of Mec243-BV 'V-jaws

Both versions of the Mec243 Wedge Grips are especially suitable for holding a variety of materials such as plastic strips and dumbbells, flat and round metal specimens such as sheet,

Item No:	Mec243-20	Mec243-50
Rated capacity:	20 kN	50 kN
Opening (depending on jaws):	up to 16 mm	up to 16 mm
Weight each grip(without jaws):	3.8 kg	6.75 kg
Scope of delivery: 1 grip fitted with bore-hole to allow connection to:	QC-20 fixing post	QC-32 fixing post

Jaws for Mec243: scope of delivery 0.5 set = 2 jaws (left & right)

Item No.	Surface	Clamping surface H x W	Opening	Weight per 0.5 set
Mec243-BP	Pyramid (serrated) jaws	50 x 35mm	0 – 13mm	0.48 kg
Mec243-BP16	Pyramid (serrated) jaws	50 x 35mm	4 – 16mm	0.41 kg
Mec243-BV	V-jaws	Clamping height 50mm	3 – 13mm Ø	0.46 kg
Mec243-BV16	V-jaws	Clamping height 50mm	4 – 16mm Ø	0.41 kg
Mec243-BV20	V-jaws	Clamping height 50mm	10 – 20mm Ø	0.35kg

Jaws with other dimensions and surface coatings on request

Mec243-BP Pyramid jaws
- Hardened steel 58 HRC
- Pyramids 1.2 x 45°

Mec243-BV -V-jaws
- For all kinds of round samples
- Hardened steel 58 HRC
- Tooth pitch 1.2 mm

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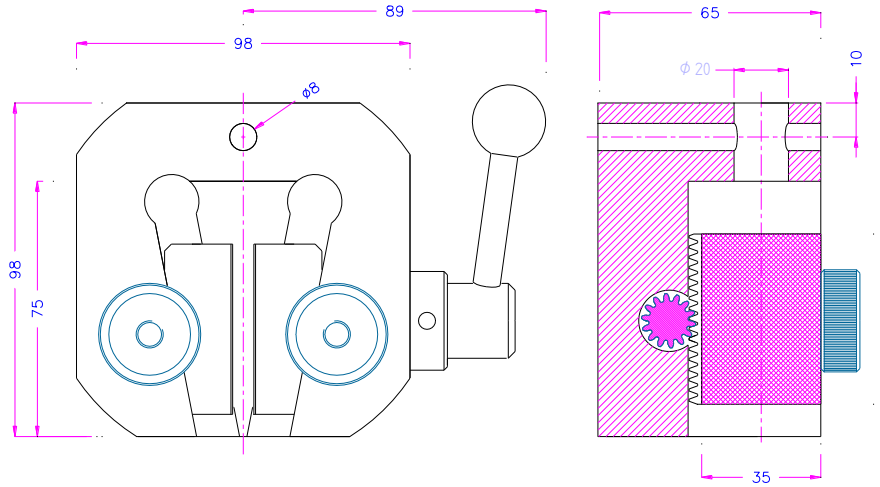
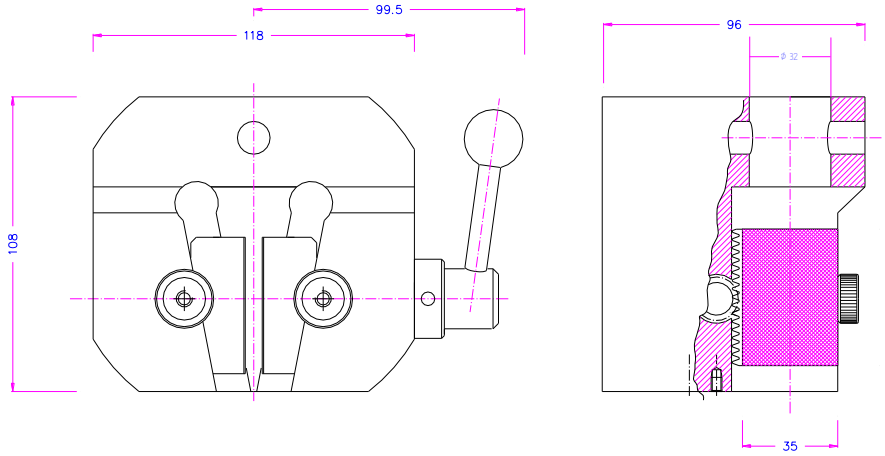
Dimensions mm



Mec243-20



Mec243-50

FS 58553

Mecmesin reserves the right to alter equipment specifications without prior notice.
E&OE

DISTRIBUTOR STAMP

Head Office - UK
Mecmesin Limited
w: www.mecmesin.com
e: sales@mecmesin.com

France
Mecmesin France
w: www.mecmesin.fr
e: contact@mecmesin.fr

Germany
Mecmesin GmbH
w: www.mecmesin.de
e: info@mecmesin.de

North America
Mecmesin Corporation
w: www.mecmesincorp.com
e: info@mecmesincorp.com

Asia
Mecmesin Asia Co., Ltd
w: www.mecmesinasia.com
e: sales@mecmesinasia.com

China
Mecmesin (Shanghai) Pte Ltd
w: www.mecmesin.cn
e: sales@mecmesin.cn

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