MATE PRECISION TECHNOLOGIES

DYNOGRIP™ VISE

Quick Start Guide

THANK YOU FOR YOUR PURCHASE

Proper and timely information is key to successfully doing your job. To support your success, Mate provides all the information you need — at your fingertips — when and wherever you need it.

To get started, scan one of the QR codes below or scan the QuickSpecs™ 2D bar code on the vise itself. See *Using QuickSpecs™* at right.

MATE®
PRECISION TECHNOLOGIES

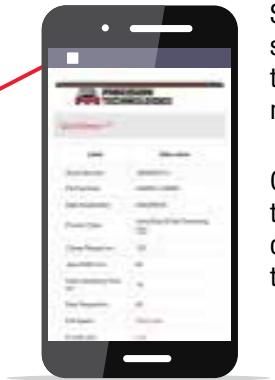
INSTRUCTIONS/ MAINTENANCE

ORDER ONLINE

CATALOG

USING QUICKSPECS™

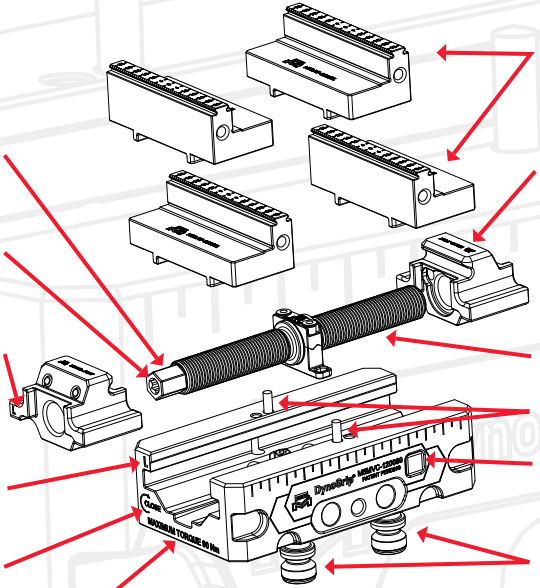
The Mate 52/96 zero point workholding system includes QuickSpecs™, a unique product identification system that provides real-time access to product information and potential integration into your business systems.



Simply use your smart phone and scan the 2D bar code on the side of the product. You will have access to all information about the product — including CAD files, full product instructions and more — all related to the specific serial number of the item.

Click the Link adjacent to the “Email Link” and use your phone to email a link to yourself. When you receive the email on your desktop computer, you will see a link to the on-line repository for the CAD models.

VISE OVERVIEW:



External Hex on left end of vise
52 family 12mm
96 family 16mm
(Only use external hex to torque vise)

6mm internal hex on both ends of leadscrew for speed travel

Left Hand Thread Pusher
Indicated with **L**

Left Hand Alignment Indicator
Align Thread Pusher with **L**

Arrow indicates direction to close

Torque maximum listed on each vise

Jaws are not a matched set and can go on either pusher in either direction

Right Hand Thread Pusher
Indicated with **R**

Leadscrew assembly

Jaws Centering Pins

2D Bar Code
For quick access to QuickSpecs™

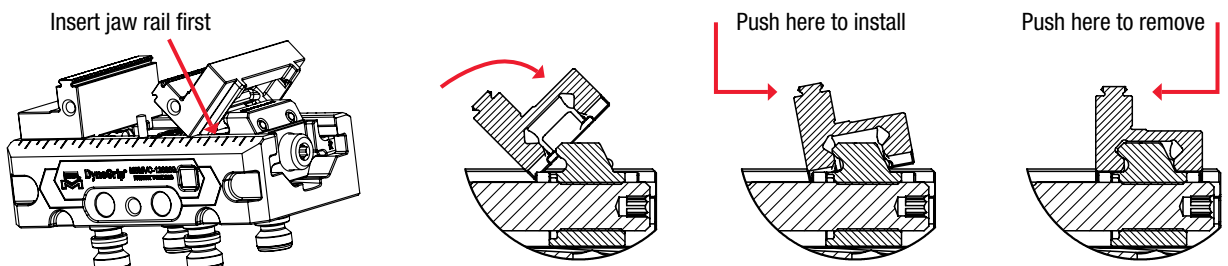
Pull Studs for 52 or 96 systems

FIRST USE & JAW INSTALLATION/REMOVAL

Your Mate DynoGrip Self-Centering Vise comes precision tuned and ready to use right out of the box. If your use differs from the standard installation, please consult the DynoGrip instructions by going to mate.com/wh or for fast access — scan the QR code on page 1 of this guide.

The DynoGrip vise comes with pre-installed locating pins for precision centering. Open jaws and remove the pins before first use and store.

It may be necessary to install or remove the jaws depending on the configuration of your purchase or the specifications of your use.
Below is a quick installation guide for jaw installation or removal.



PROPER PART LOADING

Single Station Self-Centering Jaw Configuration:

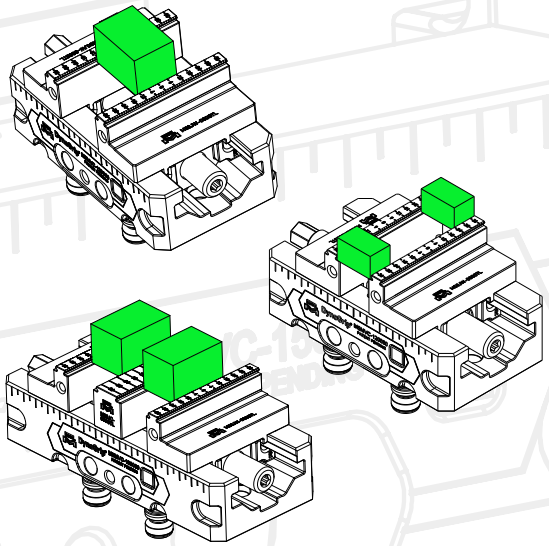
- It is important to symmetrically load single or multiple parts axially on-center to the vise to avoid excessive jaw twist
- Individual part clamped sides should be within .15mm (.006”) parallelism for clamping on smooth jaw surface and within .51mm(.020”) when using the grips to provide secure part retention
- When loading two or more parts on a 2-jaw vise, the clamped sides should vary in size by no more than .15mm (.006”) when clamped on smooth jaw surfaces and no more than .51mm (.020”) when using the grips to provide secure part retention

Double Station Center Jaw Configuration:

- Parts must be loaded on both sides of the center jaw. Symmetric loading still applies
- DynoGrip 52 with a center jaw allows for 2mm clamping size variation between parts*
  DynoGrip 96 with a center jaw allows for 3mm clamping size variation between parts*

Jaw Range:

- Extending the jaws beyond the length of the vise body can reduce the effectiveness of the jaw pull-down feature



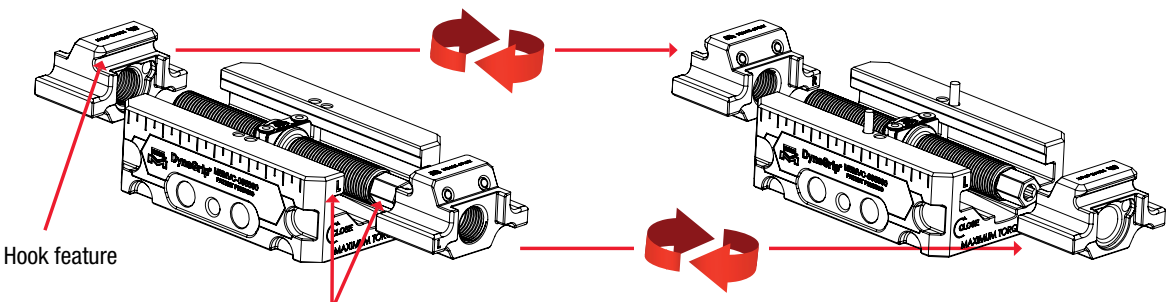
CORRECT PART LOCATING

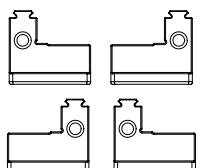
* See “Prep for Center Jaw Attachment” for correct setup on page 7 of instructions

REVERSE FORCE CLAMPING SETUP

To switch from inward clamping to reverse force clamping:

1. Remove the pushers from the leadscrew
2. Keeping each pusher on the end it was removed from, rotate each pusher so that the top hook feature faces away from the vise center
3. Thread the pushers simultaneously back onto the leadscrew
4. Install the jaws in desired orientation
5. Center the jaws per the vise calibration procedure (see instructions)





Jaws can be used in either direction for outward clamping

MATE® PRECISION TECHNOLOGIES

MATE PRECISION TECHNOLOGIES GLOBAL COVERAGE

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LIT01427 Rev A 2021