



**PRECISION  
TECHNOLOGIES**

RESPECT • SUPPORT • INSPIRE



## Precision Workholding Technology

DYNOLOCK™ 52/96 SYSTEM BASES

COMPATIBLE WITH HAAS

UMC-500 & OTHER MACHINING CENTERS

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## DYNOLOCK™ BASES 96 FAMILY

### BASE SYSTEM

Mate's DynoLock quick change base system is the foundation of your workholding and the key to superior productivity. DynoLock bases mount to the machine bed, tombstone, pyramid, riser or dual right angle. Offering best-in-class accuracy and repeatability, DynoLock maintains a superior holding force with the top tool. Whether you change the same vise repeatedly or exchange it for a different one, DynoLock has what it takes to securely hold your vise. Mate DynoLock bases reduce your machine setup times and keeps you in the cut.

#### Product highlights:

- Best-in-class accuracy - engaging top tool on center to  $\pm 0.013\text{mm}$  ( $\pm 0.0005"$ )
- Best-in-class repeatability - engagement of top tool to same location  $0.005\text{mm}$  ( $0.0002"$ )
- Best in-class holding force - secure hold of top tool: Force required to separate top tool  $0.013\text{mm}$  ( $0.0005"$ ) from 96 family bases is greater than  $26\text{kN}$  ( $6000\text{lbf}$ )
- Lowest input torque to output force
- Designed for HAAS UMC-500 and similar machining centers
- Pull studs are firmly secured and held by a collar which has superior holding functionality
- Zero Point quality engagement as all four pull studs are drawn to the base center for superior accuracy
- Made in USA

#### Best-In-Class

Accuracy:	$\pm 0.013\text{mm}$	$\pm 0.0005"$
Repeatability:	$0.005\text{mm}$	$0.0002"$

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- Note: LIT01552 is a supplemental document highlighting one new base that has mounting hole patterns suited for common HAAS UMC-500 and similar style tables.

[Dimensions in mm(in)]. Images are proportionate but not to scale.



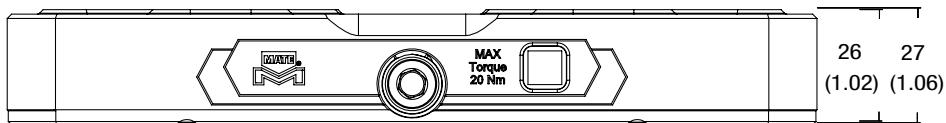
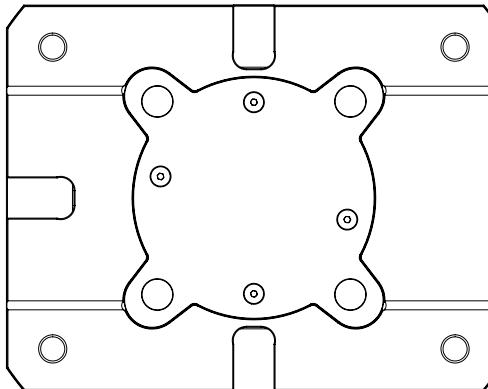
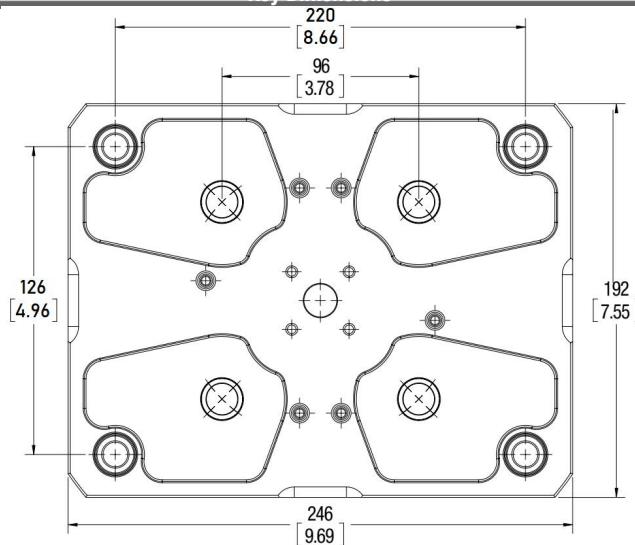


	Information	Metric	Imperial
Pull Stud Type	Mate 96		
Maximum Torque		20Nm	175 in-lbs
Mounting Bores Quantity	4		
Mounting Bores Spacing		220mm	8.66"
Mounting Bores - Spacing Additional		126mm	4.96"
Mounting Bores - Inside Diameter		12mm	0.47"
Lead Screw Hex Size		6mm	
Base Overall Length		246mm	9.69'
Base Overall Width		192mm	7.56'
Base Overall Height		27mm	1.06"
Base Overall Weight		8.8kg	19.4 lbs
Centering Bottom Cover	Multiple Options	See Below	
Use with Competitor	Requires Pull Stud Kit	M9MAC-PS	
Tapped Hole (4) for Poka-Yoke	Screw Not Included	M5x6mm SHCS	
Compatible with*	HAAS UMC-500, UMC-750, UMC-1000 and UMC-1250		

## Assembly - M9MBX-192246-02



## Key Dimensions



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[Dimensions in mm(in)]. Images are proportionate but not to scale.



## MATE PRECISION TECHNOLOGIES GLOBAL COVERAGE

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