

5VP-ROBO-00017

This workholding package is designed for your ROBODRILL T21-iEL PC2 machining center.

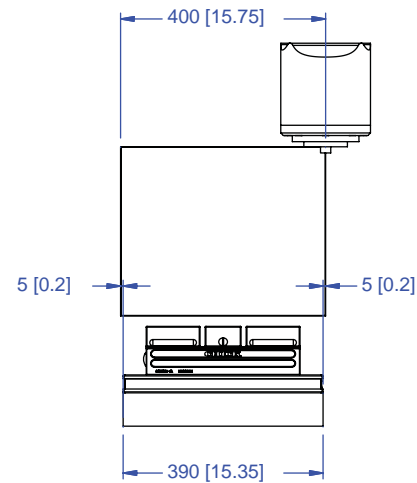
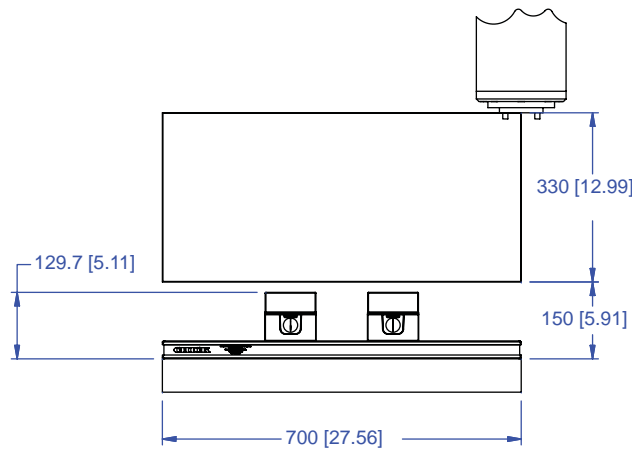
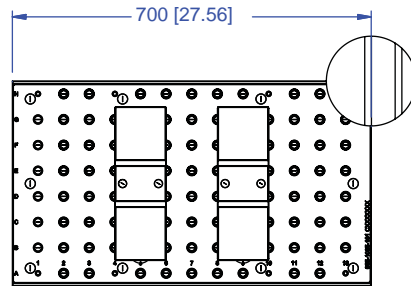


Notes

CHICK WORKHOLDING SOLUTIONS, INC
500 Keystone Drive • Warrendale, PA 15086 USA
Phone: (724) 772-1644 • Fax: (724) 772-1633
Toll Free: (800) 33-CHICK • (800) 332-4425
www.ChickWorkholding.com

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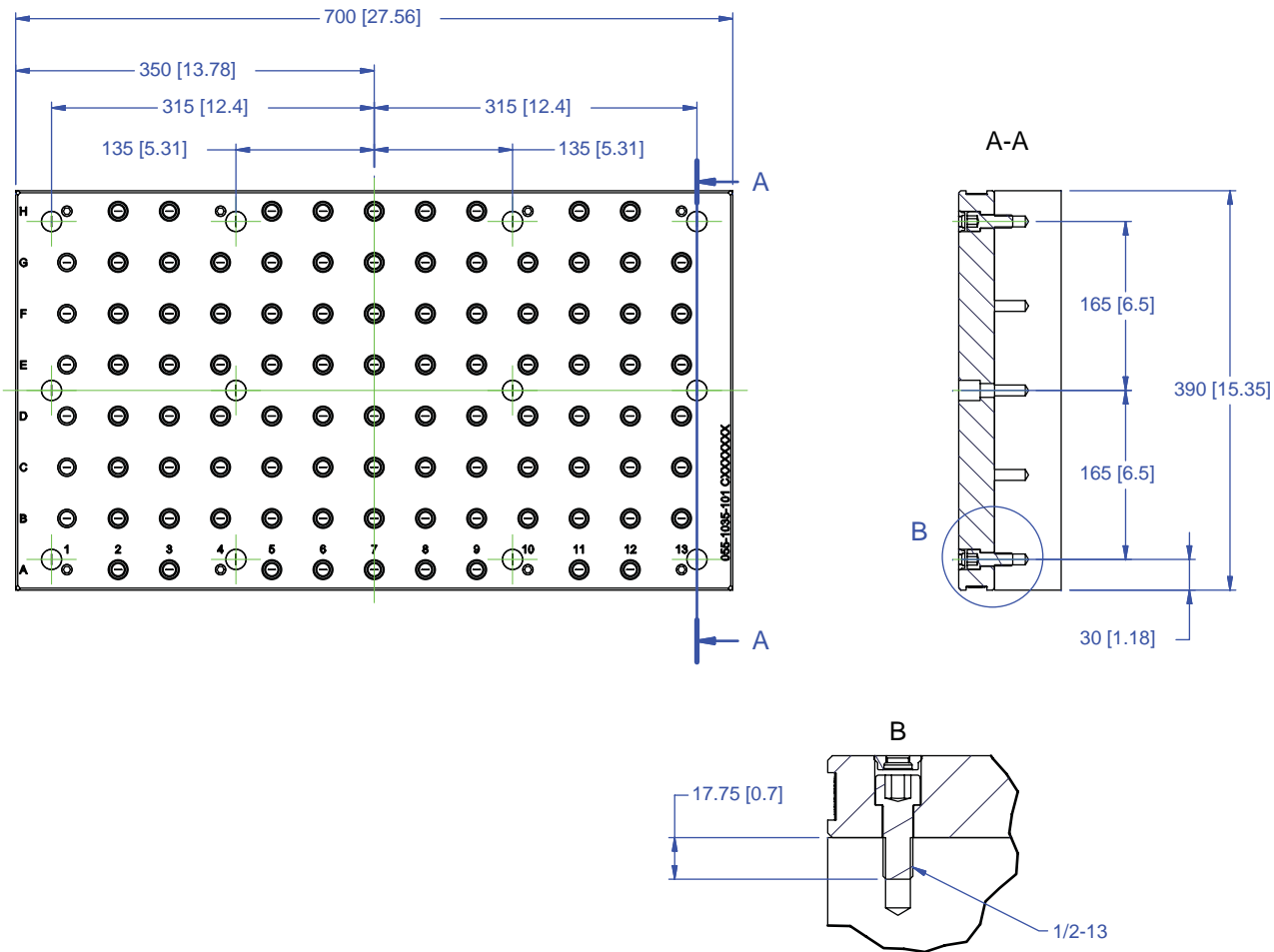
Machine travel may be limited by mechanical interference and/or machine safety zones. Please consult your machine's operating instructions for more information.

All dimensions are MM [IN]

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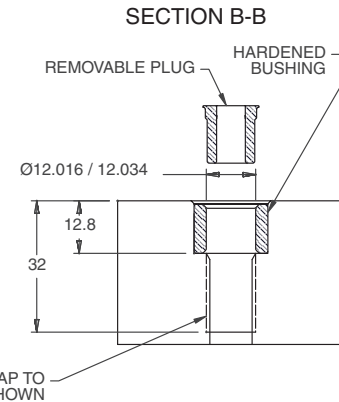
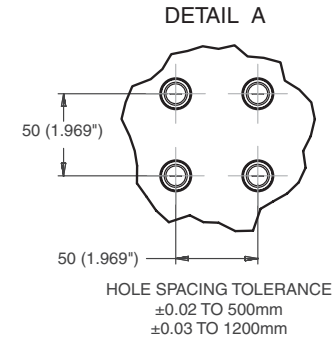
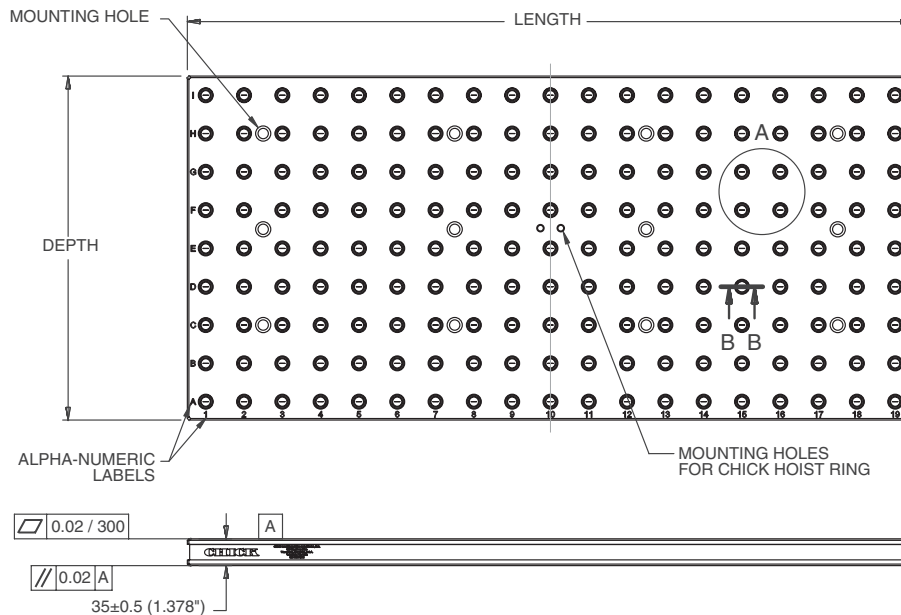
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This workholding package is designed for your ROBODRILL T21-iEL PC2 machining center.

FOUNDATION LENGTH, DEPTH, AND MOUNTING HOLE CONFIGURATION DESIGNED ACCORDING TO MACHINE TOOL SPECIFICATION



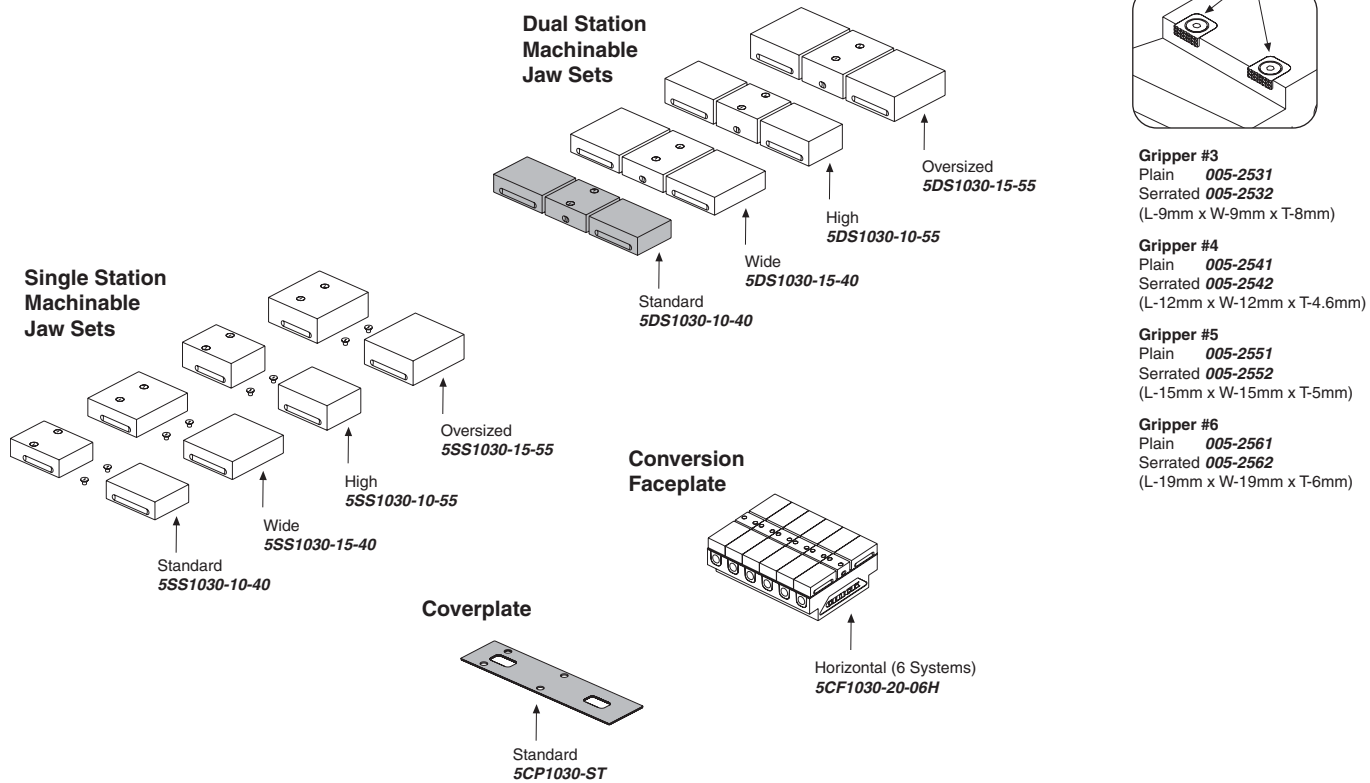
FOUNDATION MAT'L: CAST IRON
FOUNDATION INCLUDES INSTALLATION HARDWARE

Notes
All dimensions are MM [IN]

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Batch Production

Machinable accessories are the optimal solution for batch production. They offer QwikChange™ and accurate repeat set ups to optimize the productivity of the machine center.



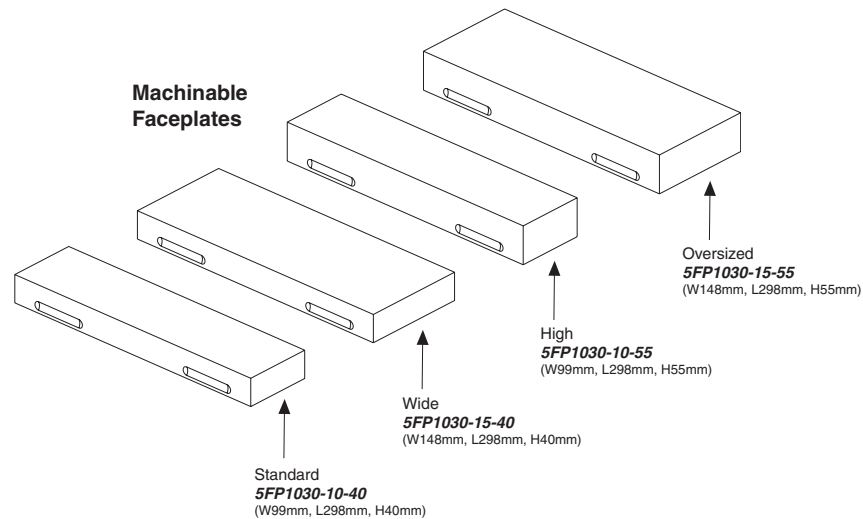
Notes

Grey item is included with a standard system

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Dedicated Fixturing

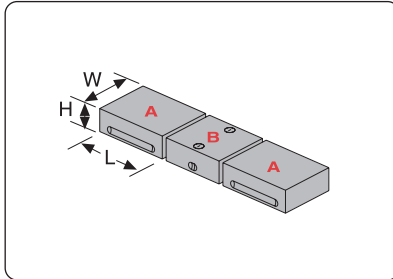
Machinable Faceplates provide QwikChange™ dedicated fixturing and are optimal for awkward or hard to hold parts. A mini pallet changer can be created by utilizing two Faceplates in tandem.



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QwikChange Machinable Dual Station Jaws



Individual Dual Station Jaws

Standard

- A** Moveable Jaw **5MJ1030-10-40**
(W99mm, H40mm, L105mm)
- B** Fixed Jaw **5FJ1030-10-40**
(W99mm, H40mm, L70mm)

Wide

- A** Moveable Jaw **5MJ1030-15-40**
(W148mm, H40mm, L105mm)
- B** Fixed Jaw **5FJ1030-15-40**
(W148mm, H40mm, L70mm)

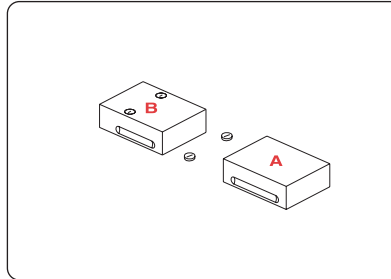
High

- A** Moveable Jaw **5MJ1030-10-55**
(W99mm, H55mm, L105mm)
- B** Fixed Jaw **5FJ1030-10-55**
(W99mm, H55mm, L70mm)

Oversized

- A** Moveable Jaw **5MJ1030-15-55**
(W148mm, H55mm, L105mm)
- B** Fixed Jaw **5FJ1030-15-55**
(W148mm, H55mm, L70mm)

QwikChange Machinable Single Station Jaws



Individual Single Station Jaws

Standard

- A** Moveable Jaw **5MJ1030-10-40**
(W99mm, H40mm, L105mm)
- B** Fixed Jaw **5SJ1030-10-40**
(W99mm, H40mm, L105mm)

Wide

- A** Moveable Jaw **5MJ1030-15-40**
(W148mm, H40mm, L105mm)
- B** Fixed Jaw **5SJ1030-15-40**
(W148mm, H40mm, L105mm)

High

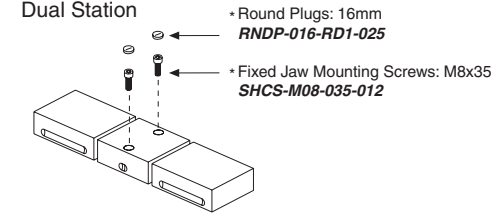
- A** Moveable Jaw **5MJ1030-10-55**
(W99mm, H55mm, L105mm)
- B** Fixed Jaw **5SJ1030-10-55**
(W99mm, H55mm, L105mm)

Oversized

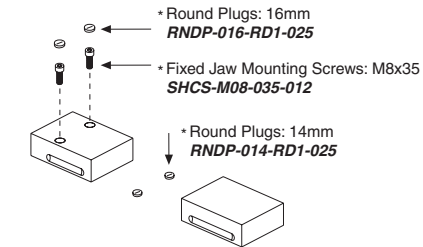
- A** Moveable Jaw **5MJ1030-15-55**
(W148mm, H55mm, L105mm)
- B** Fixed Jaw **5SJ1030-15-55**
(W148mm, H55mm, L105mm)

Screws and Plugs

Dual Station

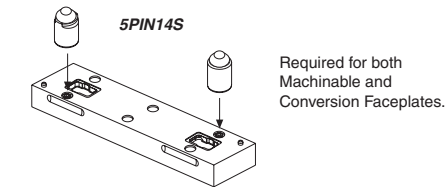


Single Station



Faceplate Round & Diamond Pin Set

(Included w/ Faceplate purchase)

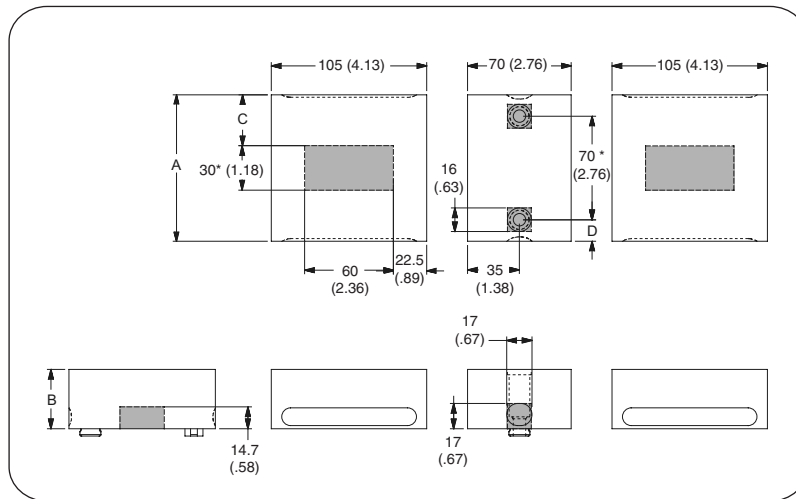


Notes

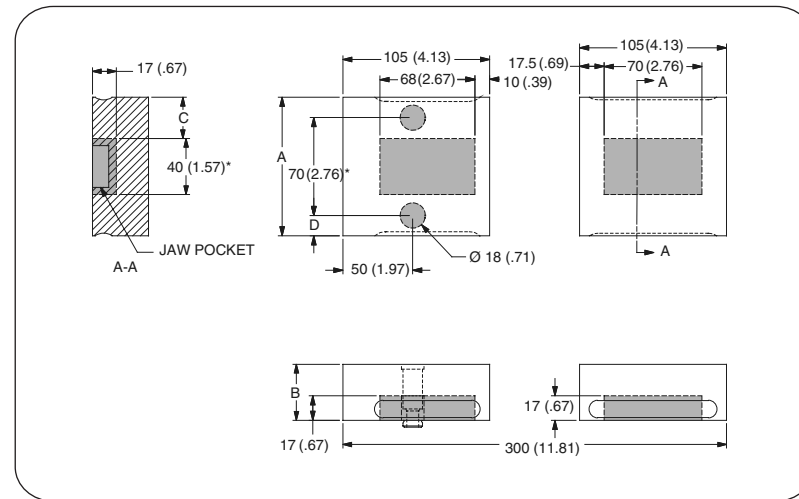
Grey or * item is included with a standard system

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Dual Station



Single Station



Item Number	Description	A	B	C	D
5DS1030-10-40	Standard	99 [3.90]	40 [1.57]	34.5 [1.36]	14.5 [.57]
5DS1030-10-55	High	99 [3.90]	55 [2.17]	34.5 [1.36]	14.5 [.57]
5DS1030-15-40	Wide	148 [5.83]	40 [1.57]	59 [2.32]	39 [1.54]
5DS1030-15-55	Oversized	148 [5.83]	55 [2.17]	59 [2.32]	39 [1.54]

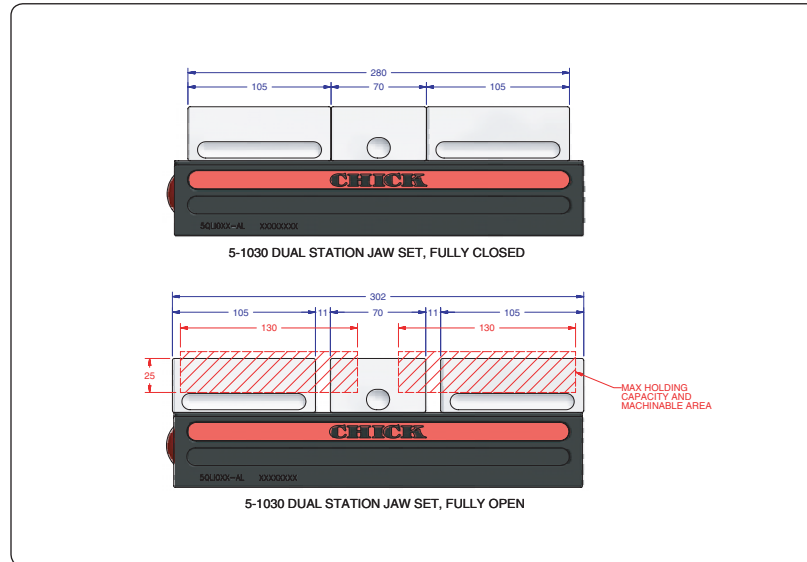
Item Number	Description	A	B	C	D
5SS1030-10-40	Standard	99 [3.90]	40 [1.57]	29.5 [1.16]	14.5 [.57]
5SS1030-10-55	High	99 [3.90]	55 [2.17]	29.5 [1.16]	14.5 [.57]
5SS1030-15-40	Wide	148 [5.83]	40 [1.57]	54 [2.13]	39 [1.54]
5SS1030-15-55	Oversized	148 [5.83]	55 [2.17]	54 [2.13]	39 [1.54]

Notes

Grey area indicates no cut zone
 All dimensions are MM [IN]
 Dimensions centered on the "A" dimension.

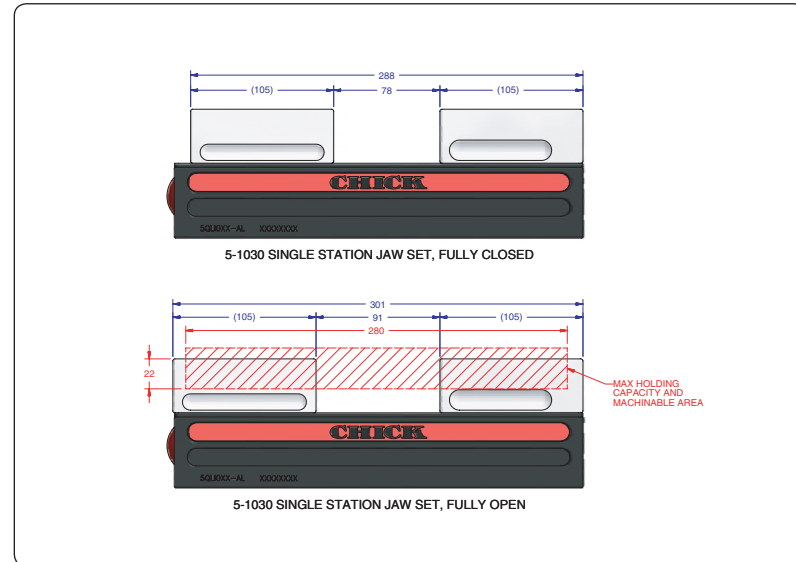
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Dual Station



Item Number	Description	A	Jaw Width
5DS1030-10-40	Standard	26 [1.02]	99 [3.90]
5DS1030-10-55	High	41 [1.61]	99 [3.90]
5DS1030-15-40	Wide	26 [1.02]	148 [5.83]
5DS1030-15-55	Oversized	41 [1.61]	148 [5.83]

Single Station

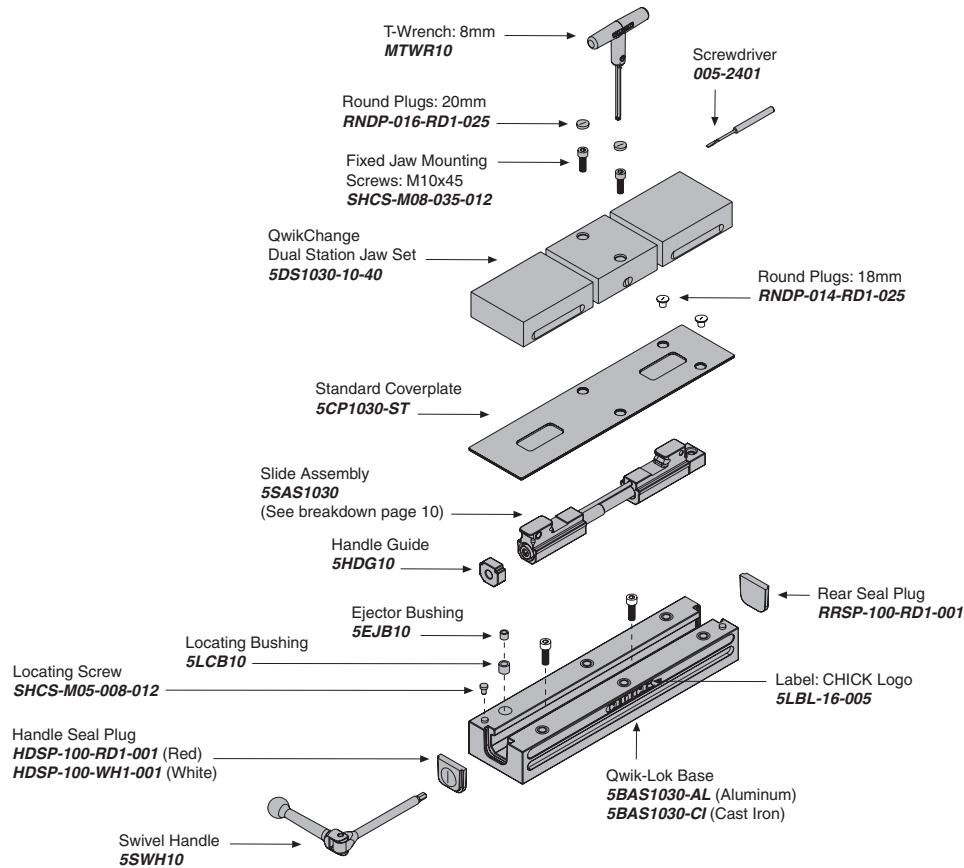


Item Number	Description	A	Jaw Width
5SS1030-10-40	Standard	26 [1.02]	99 [3.90]
5SS1030-10-55	High	41 [1.61]	99 [3.90]
5SS1030-15-40	Wide	26 [1.02]	148 [5.83]
5SS1030-15-55	Oversized	41 [1.61]	148 [5.83]

Notes

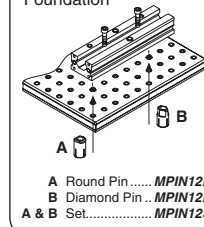
All dimensions are MM [IN]
 Additional closure is available with an Extended Travel Coverplate.
 Contact CHICK for details.

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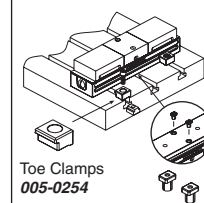


MOUNTING

Foundation

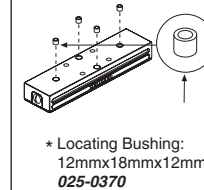


T-Slotted Table



Bolt and T-Nut supplied by customer

Bottom of Base

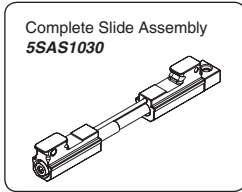


Locating Keys	
Inch Size	
MKE500	(1/2")
MKE562	(9/16")
MKE625	(5/8")
MKE688	(11/16")
MKE750	(3/4")
MKE812	(13/16")
Metric Size	
MKE10	(10mm)
MKE12	(12mm)
MKE14X18	(14mm)
MKE16	(16mm)
MKE20	(20mm)

Notes

Grey items are included with a standard system
 For QwikChange™ Jaw accessories, see pages 4-7

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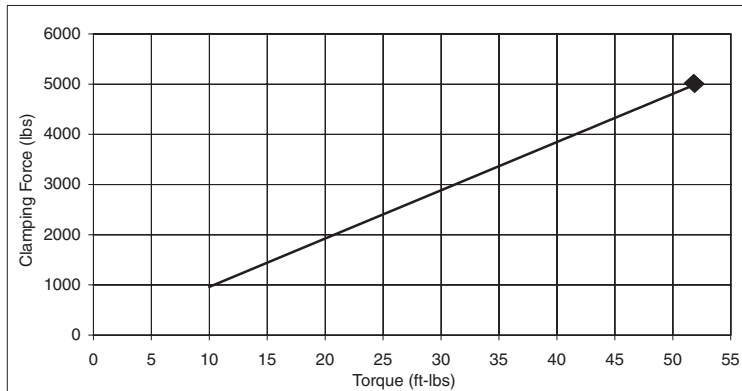
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Pounds (lbs)

Force	=	Torque	X	Slope
lbs	=	in-lb	x	8.0
lbs	=	ft-lbs	x	96

Torque (ft-lb)	Force (lbs)
0	0
10	962
20	1923
30	2885
40	3846
50	4808
52	5000

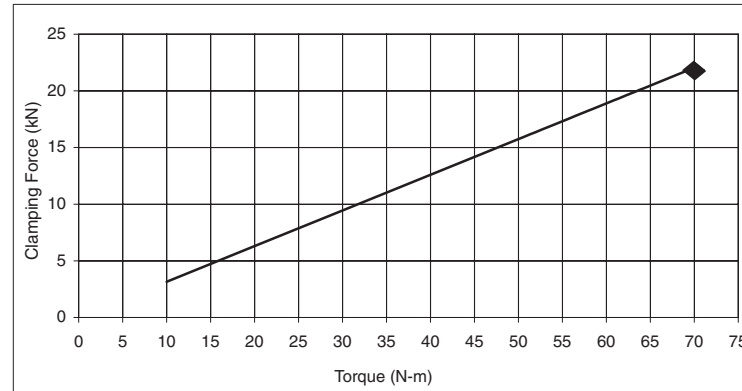


Note:  Maximum Recommended Torque. Actual results may vary.

Kilonewtons (kN)

Force	=	Torque	X	Slope
N	=	N-m	x	315
kN	=	N-m	x	0.315

Torque (N-m)	Force (kN)
0	0.0
10	3.1
20	6.3
30	9.4
40	12.6
50	15.7
60	18.9
65	20.5
70	22.0



Note:  Maximum Recommended Torque. Actual results may vary.

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