



WORLD HEADQUARTERS

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QUICK-LOC™ QL2 MODULAR
QUICK CHANGE PALLET SYSTEMS

A SOLUTION FOR EVERY PLATFORM

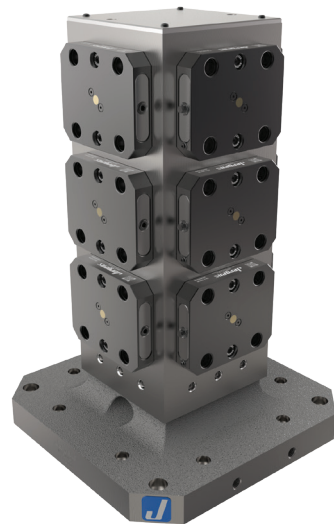


WORKHOLDING SOLUTIONS | SPECIALTY FASTENERS | LIFTING SOLUTIONS
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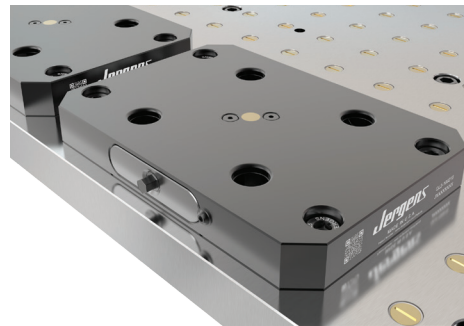


Jergens Quick-Loc™

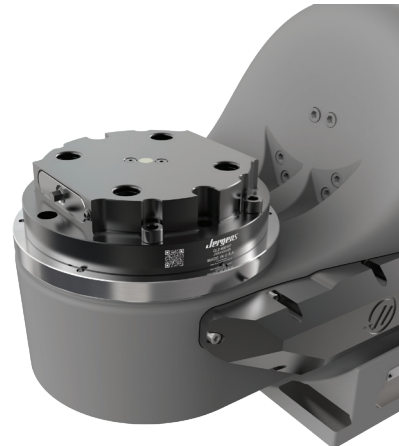
A Solution for **EVERY** Platform



Horizontal



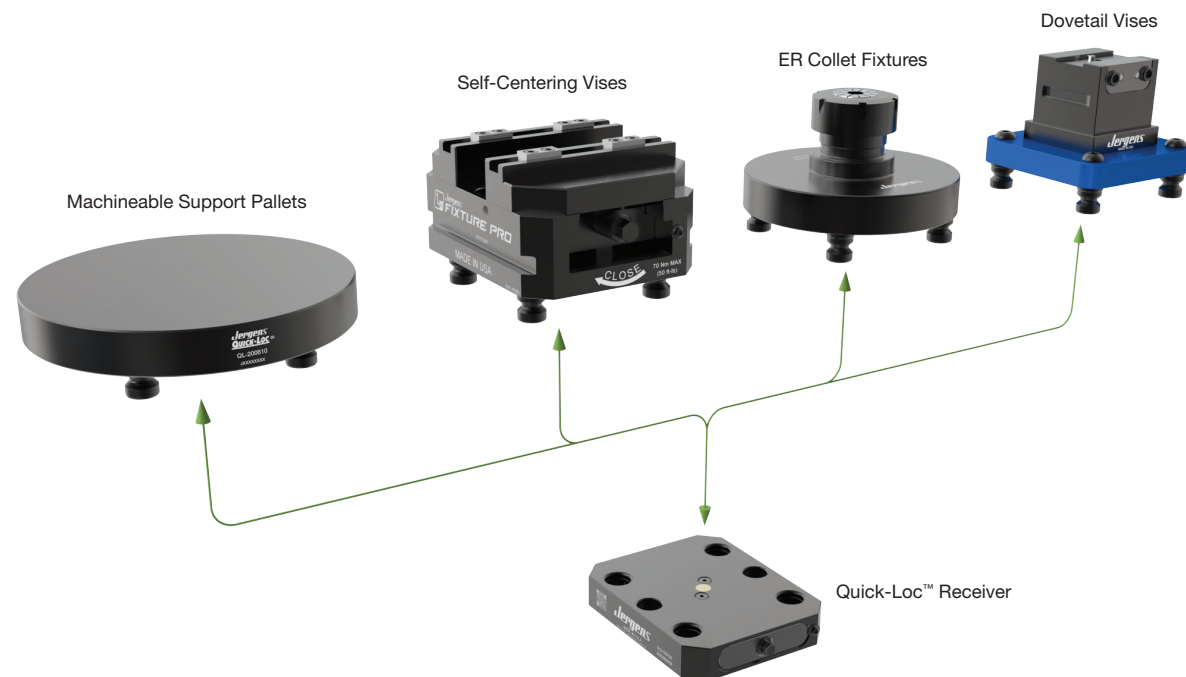
Vertical



5-Axis / Rotary

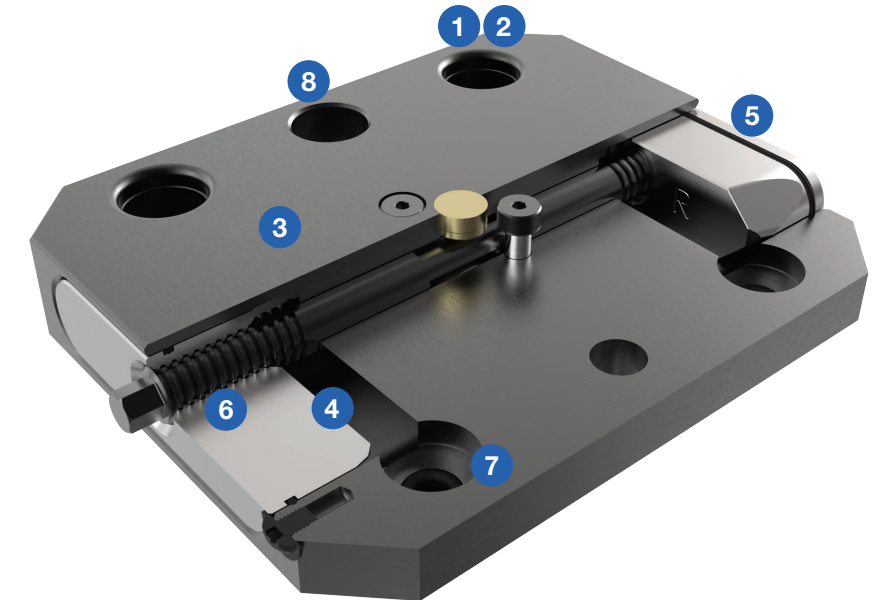
SYSTEM OVERVIEW

Jergens Quick-Loc™ is a modular quick change system that lets users achieve fast and repeatable fixture changes. The system allows for various types of top tooling to be interchanged on base receivers. The basis of the system is a 4-pull stud interface on either a 52mm or 96mm grid pattern. Top tooling is located and clamped to a base receiver in a single step when the pull studs are inserted into the receiver and the clamping screw is tightened. System repeatability is 0.0003" (0.008mm).

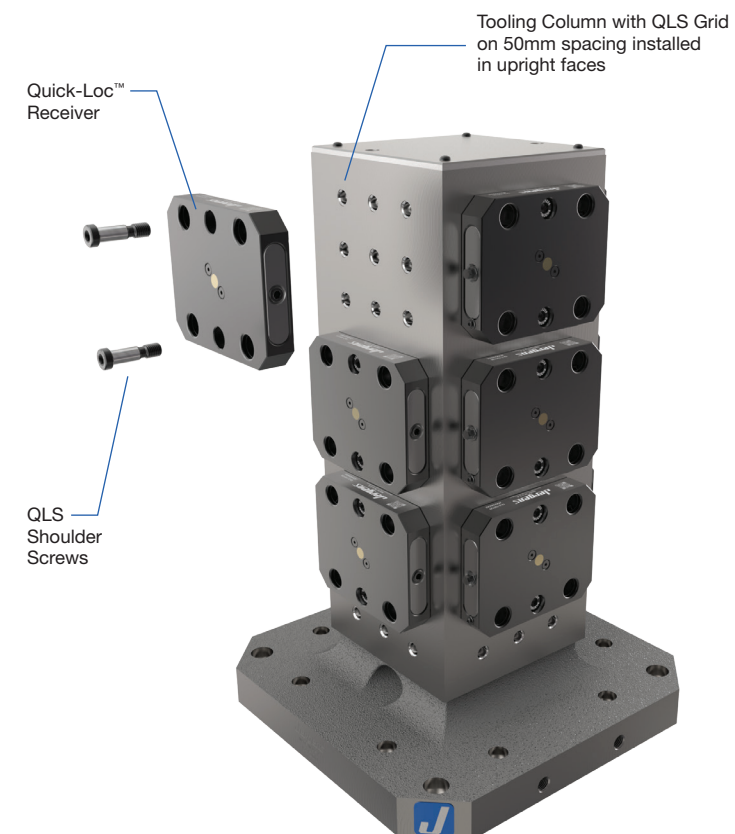


RECEIVER DESIGN FEATURES AND BENEFITS

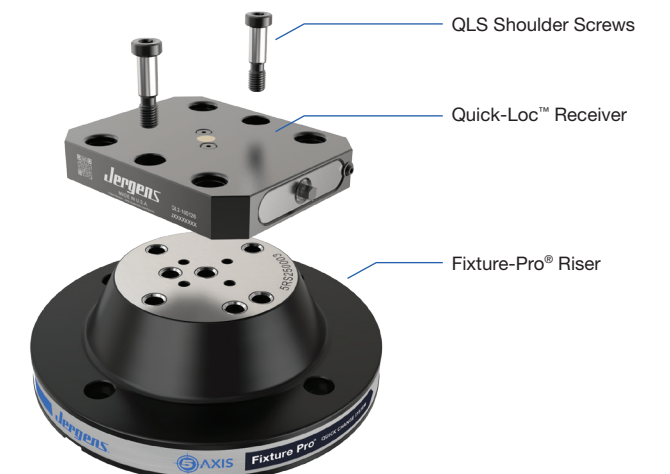
1. Available in both 52mm & 96mm industry standard pull stud patterns
2. 0.0003" (0.008mm) Repeatability
3. Heavy duty all steel body – treated with Jergens Mcoat for superior wear resistance and durability.
4. Floating and opposing clamping wedge assembly
5. Sealed wedge bodies
6. Acme threaded screw for increased strength and long life
7. O-ring lifters for positive separation of top tooling
8. Versatile standard mounting options
9. Made in U.S.A.
10. Patented design – www.jergensinc.com/patents



FIXTURE-PRO® COMPATIBLE – QLS MOUNTING



Jergens offers several Quick-Loc™ receivers that are compatible with its flexible Fixture-Pro® system. This is the simplest and quickest method for mounting a Quick-Loc™ receiver to a base element such as a tooling column, riser, or subplate. Two QLS shoulder screws accurately locate and secure the receiver to the grid. For receivers with larger footprints additional screws for hold down are recommended.

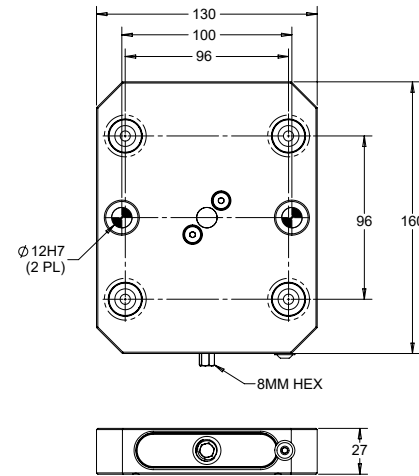


96MM RECEIVERS

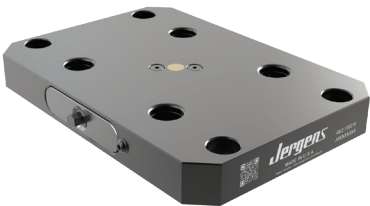
- Thru hardened alloy steel body with Mcoat surface treatment
- Max. Torque: 30 Nm (22 ft*lbs)
- Pull stud: QL-200805
- Fixture-Pro® compatible
- 12H7 mounting holes accept 12mm QLS shoulder screws



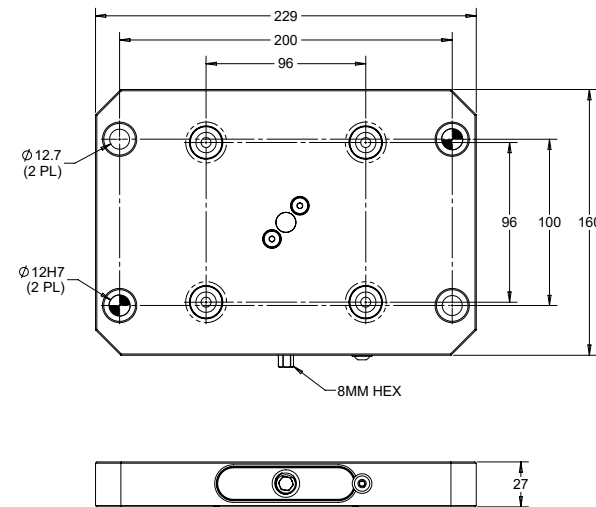
Part Number	Weight lb (kg)
QL2-100126	8 (3.6)



- Thru hardened alloy steel body with Mcoat surface treatment
- Max. Torque: 30 Nm (22 ft*lbs)
- Pull stud: QL-200805
- Fixture-Pro® compatible
- 12H7 mounting holes accept 12mm QLS shoulder screws



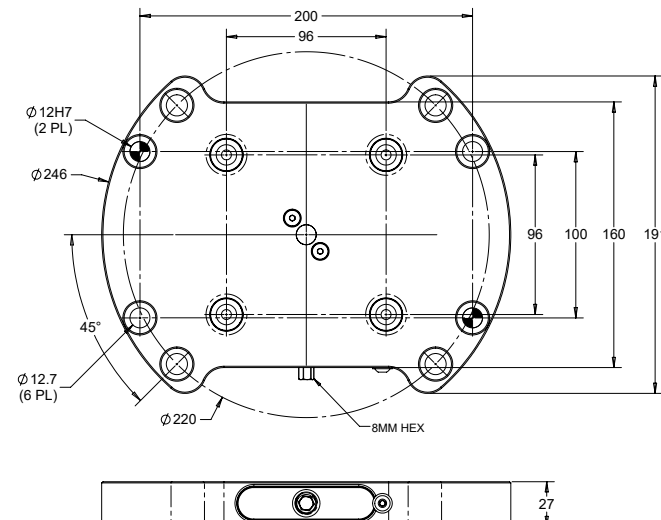
Part Number	Weight lb (kg)
QL2-100216	15.1 (6.9)



- Thru hardened alloy steel body with Mcoat surface treatment
- Max. Torque: 30 Nm (22 ft*lbs)
- Pull stud: QL-200805
- Fixture-Pro® compatible
- 12H7 mounting holes accept 12mm QLS shoulder screws



Part Number	Weight lb (kg)
QL2-100345	15.6 (7.1)

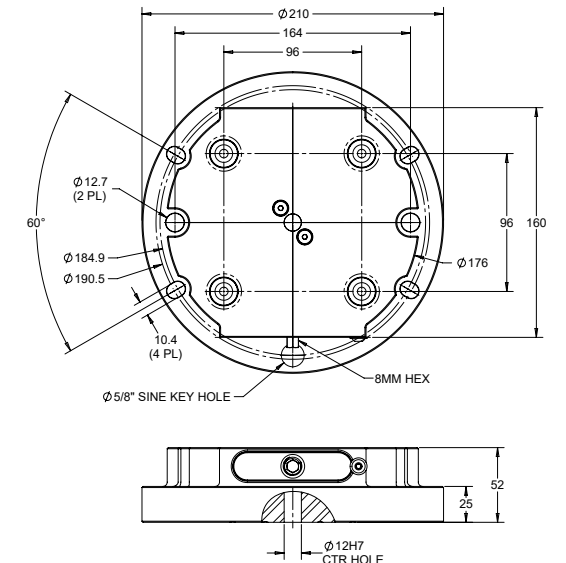


96MM ROTARY RECEIVER

- Thru hardened alloy steel body with Mcoat surface treatment
- Max. Torque: 30 Nm (22 ft*lbs)
- Pull stud: QL-200805
- Mounting configuration well suited for direct mount applications on rotary indexers and 5-Axis machines



Part Number	Weight lb (kg)
QL2-400107	23.9 (10.8)

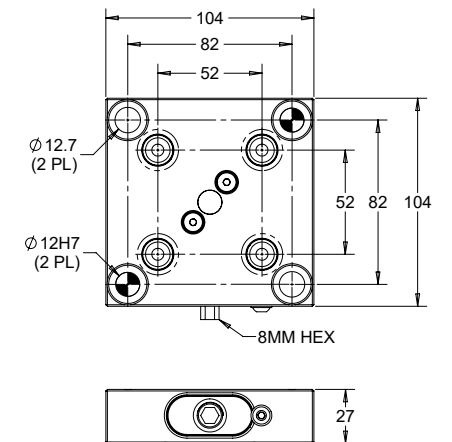


52MM RECEIVERS

- Thru hardened alloy steel body with Mcoat surface treatment
- Max. Torque: 30 Nm (22 ft*lbs)
- Pull stud: QL-200800
- 12H7 mounting holes accept 12mm QLS shoulder screws



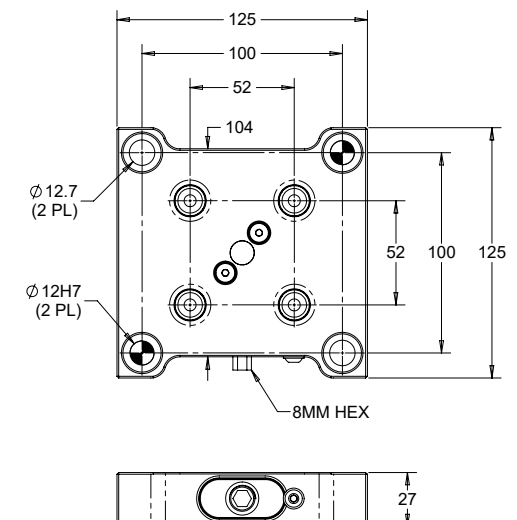
Part Number	Weight lb (kg)
QL2-100105	4 (1.8)



- Thru hardened alloy steel body with Mcoat surface treatment
- Max. Torque: 30 Nm (22 ft*lbs)
- Pull stud: QL-200800
- Fixture-Pro® compatible
- 12H7 mounting holes accept 12mm QLS shoulder screws



Part Number	Weight lb (kg)
QL2-100115	5.5 (2.5)



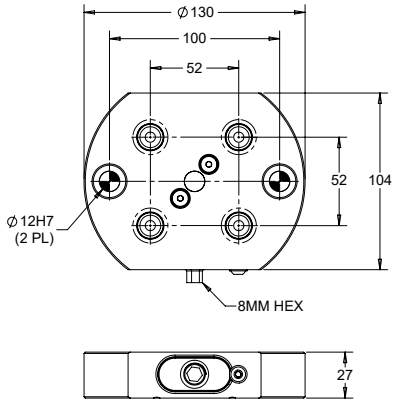


52MM RECEIVER

- Thru hardened alloy steel body with Mcoat surface treatment
- Max. Torque: 30 Nm (22 ft*lbs)
- Pull stud: QL-200800
- Fixture-Pro® compatible
- 12H7 mounting holes accept 12mm QLS shoulder screws



Part Number	Weight lb (kg)
QL2-100306	4.6 (2.09)

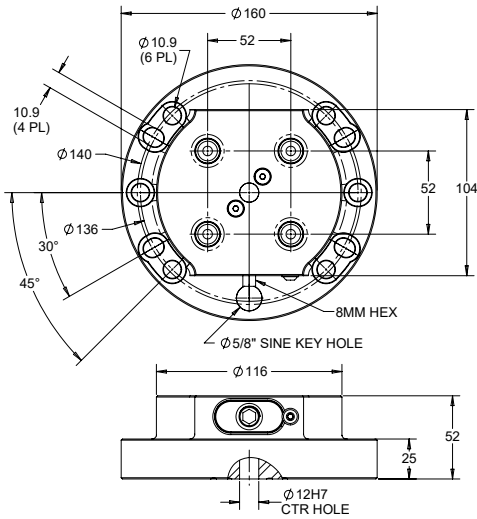


52MM ROTARY RECEIVER

- Thru hardened alloy steel body with Mcoat surface treatment
- Max. Torque: 30 Nm (22 ft*lbs)
- Pull stud: QL-200800
- Mounting configuration well suited for direct mount applications on rotary indexers and 5-Axis machines



Part Number	Weight lb (kg)
QL2-400100	11 (5)

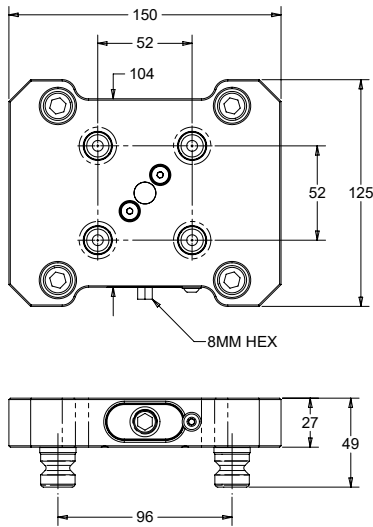


96-52MM REDUCTION RECEIVER

- Thru hardened alloy steel body with Mcoat surface treatment
- Max. Torque: 30 Nm (22 ft*lbs)
- Functions as adapter to allow 52mm top tooling to mount on 96mm receivers
- QL-200805 pull studs included

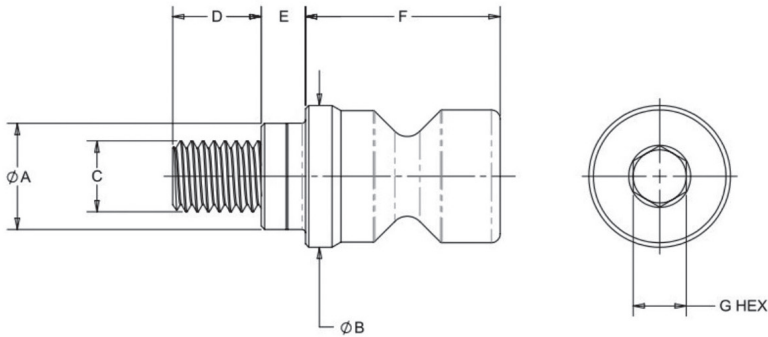


Part Number	Weight lb (kg)
QL2-100415	6.7 (3)



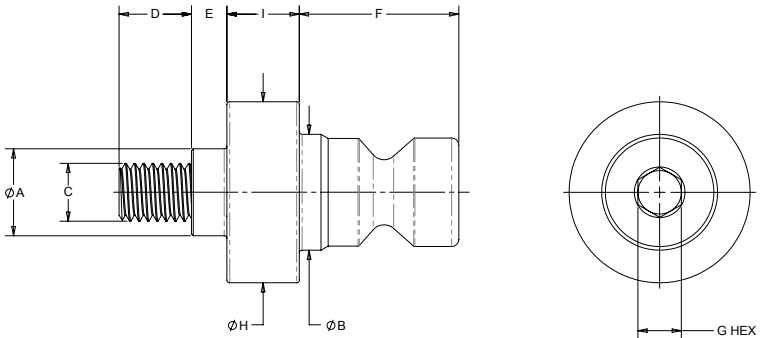
PULL STUDS

- Material: A2 Tool Steel
- Heat Treat: Thru Hardened, Rc 50-54
- Finish: Black Oxide



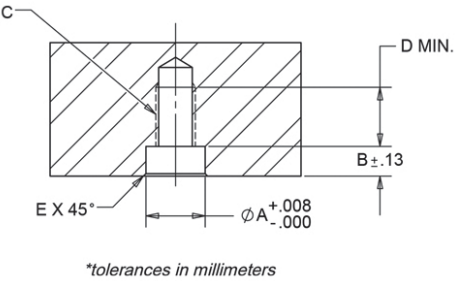
Part Number	A (mm)	B (mm)	C	D (mm)	E (mm)	F (mm)	G (mm)	Weight lb (kg)
QL-200800	12	16	M8 x 1.25	10	5	22	6	.06 (.03)
QL-200805	16	20	M10 x 1.5	14	5	22	8	.10 (.05)

SPACER STUDS



Part Number	A (mm)	B (mm)	C	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Weight lb (kg)
QL-200810	12	16	M8 x 1.25	10	5	22	6	25	10	.14 (.06)
QL-200815	16	20	M10 x 1.5	14	5	22	8	29	10	.21 (.10)

PULL STUD INSTALLATION DIMENSIONS



*tolerances in millimeters

Part Number	A (mm)	B (mm)	C	D (mm)	E (mm)
QL-200800 / QL-200810	12	6	M8 x 1.25	12	0.8
QL-200805 / QL-200815	16	6	M10 x 1.5	16	0.8



PLUGS

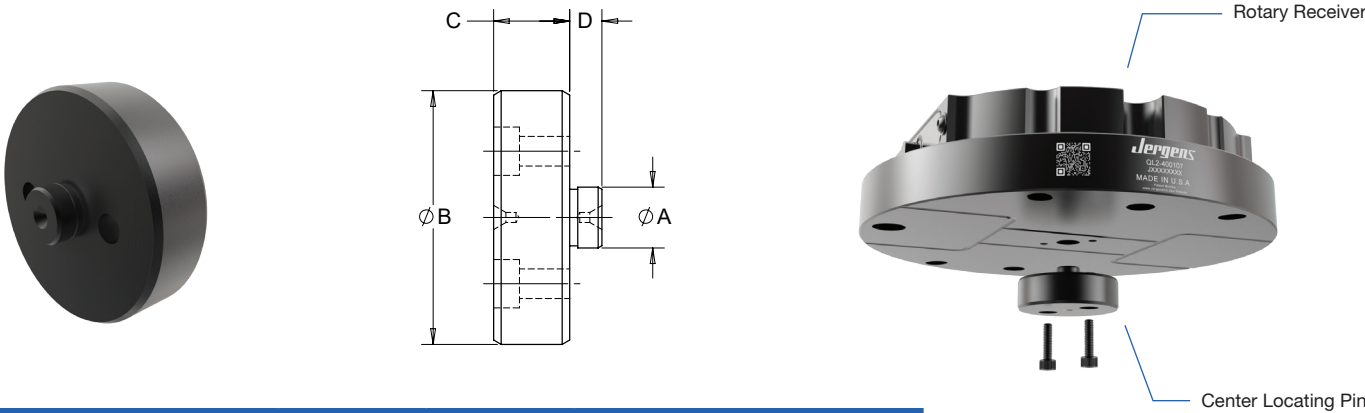
- Protects unused and exposed pull stud holes from filling with contaminants
- Material: Delrin or 6061 Aluminum



Part Number	A (mm)	B (mm)	Material	Weight lb (kg)
QL-200820	16	22	Plastic	.01 (.005)
QL-200825	20	22	Plastic	.02 (.01)
QL-200830	16	22	Aluminum	.02 (.01)
QL-200835	20	22	Aluminum	.03 (.014)

CENTER LOCATING PINS FOR ROTARY RECEIVERS

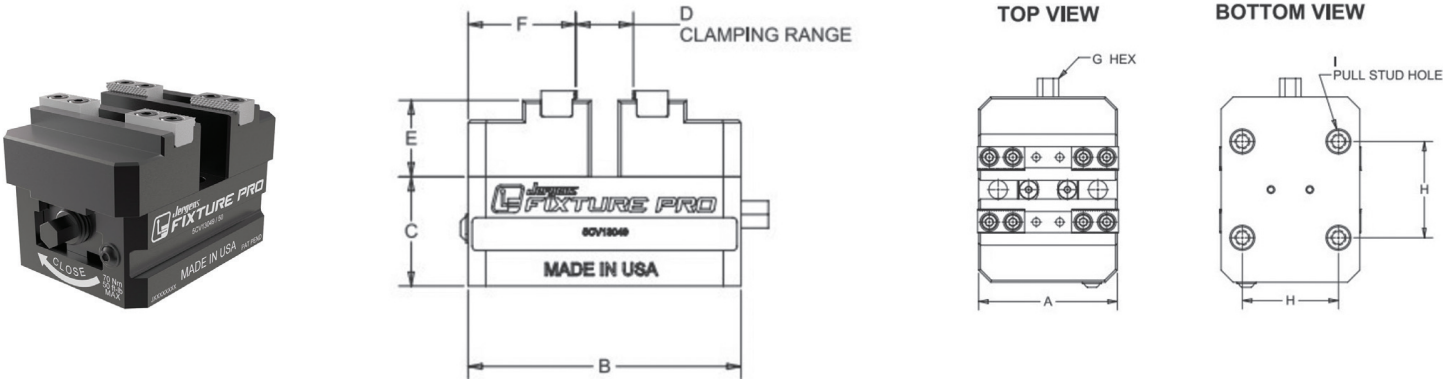
- Accurately center rotary receivers on indexers or 5-Axis machine tables
- Low carbon steel
- Black oxide finish
- Custom sizes available upon request



Part Number	A (mm)	B in (mm)	C (mm)	D (mm)	Weight lb (kg)
5LP601221	12	2.3622 (60)	15	6.35	.72 (.33)
5LP501221	12	1.9685 (50)	15	6.35	.49 (.22)
5LP1501221	12	1.500 (38.1)	15	6.35	.28 (.13)
5LP2001221	12	2.000 (50.8)	15	6.35	.51 (.23)

75MM SELF-CENTERING VISE

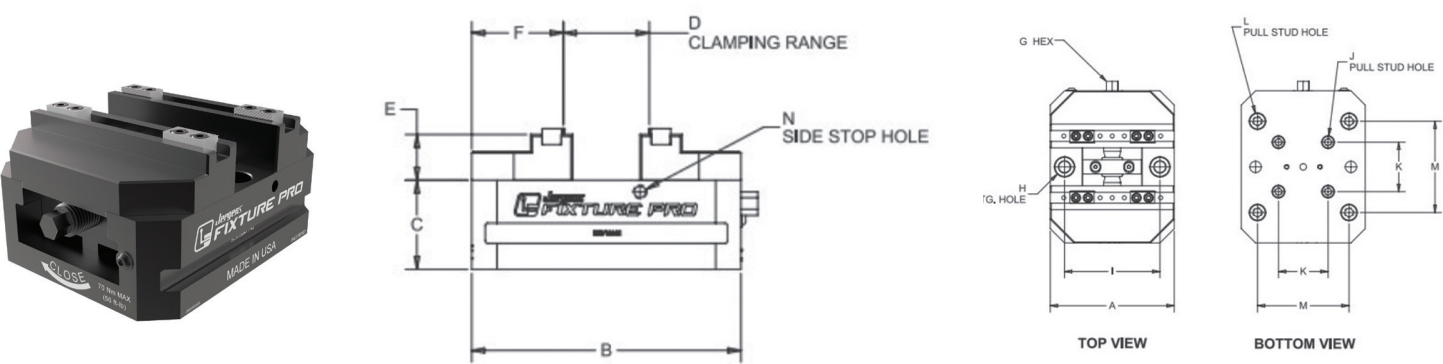
Clamping Force: 3,500 lbs. at 50 foot lbs.



Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (Part No.)	Weight (kg)
5CV13049-IN	75	100	40	12-85	28	39.5	10	52	QL-200800	3.1
5CV13051-IN	75	160	40	12-145	28	39.5	10	52	QL-200800	4.0

130MM SELF-CENTERING VISE

Clamping Force: 3,600 lbs. at 50 foot lbs.

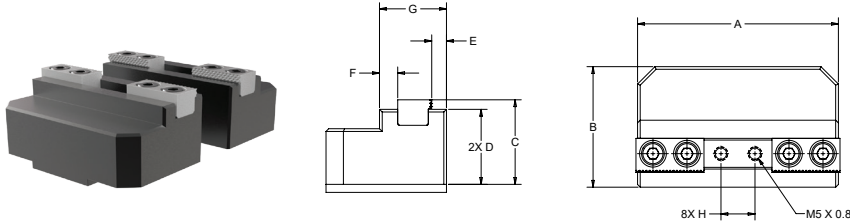


Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H	I (mm)	J (Part No.)	K (mm)	L (Part No.)	M (mm)	N	Weight (kg)
5CV13041-IN	130	160	53	12-150	27	54	12	12mm QLS	100	QL-200800	52	QL-200805	96	No	7.4
5CV13045-IN	130	250	53	12-240	27	54	12	12mm QLS	100	QL-200800	52	QL-200805	96	No	10.2



VICE JAWS & ACCESSORIES

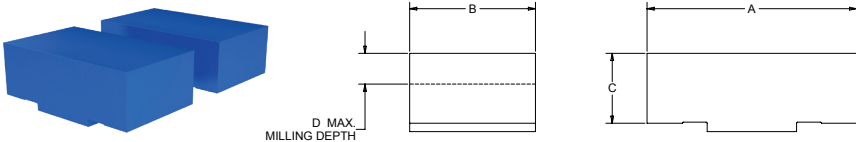
- INSERT JAW SETS FOR 75MM VISE**
- Includes Serrated Inserts
 - Alloy Steel Jaw, Thru Hardened
 - Alternate Insert Styles Available
 - Set Includes 2 Jaws



Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
5CV13049-INSJ	75	45	31.6	28	5.5	6.7	25	12.7
5CV13049-INSJ-L	75	45	25.6	22	5.5	6.7	25	12.7

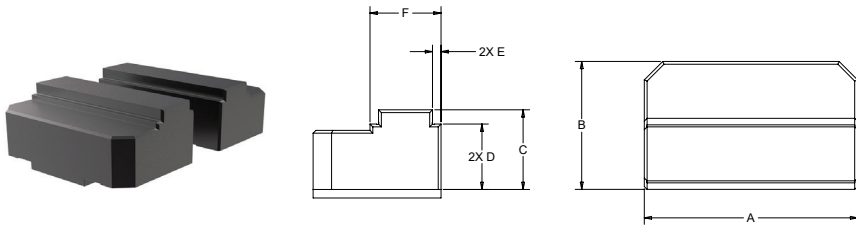
- SOFT JAW SETS FOR 75MM VISE**
- High Strength Aluminum with Blue Anodize Finish or Low Carbon Steel with Black Oxide Finish
 - Set Includes 2 Jaws

Part Number	A (mm)	B (mm)	C (mm)	D (mm)	Material
5CV13049-ASJ	75	45	25	11	Aluminum
5CV13049-ASJ-50	75	45	50	36	Aluminum
5CV13049-SSJ	75	45	25	11	Steel
5CV13049-SSJ-50	75	45	50	36	Steel

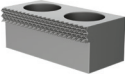


- STEP JAW SET FOR 75MM VISE**
- Alloy Steel, Thru Hardened, Black Oxide Finish
 - Set Includes 2 Jaws

Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
5CV13049-HSJ	75	45	28	23	3	25



INSERT OPTIONS



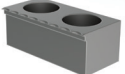
Serrated

Part Number	Lg. (mm)
5JISER.5	12.7
5JISER1.0	25.4
5JISER1.5	38.1



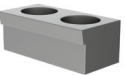
Peak

Part Number	Lg. (mm)
5JIDPK.5	12.7
5JIDPK1.0	25.4
5JIDPK1.5	38.1



Scalloped

Part Number	Lg. (mm)
5JISCA.5	12.7
5JISCA1.0	25.4
5JISCA1.5	38.1

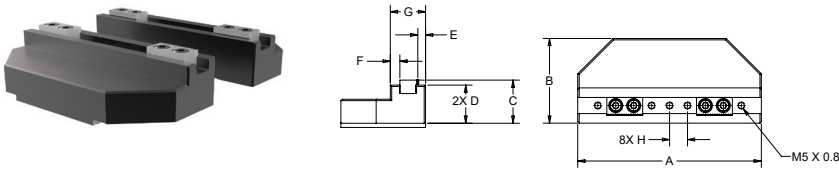


Dovetail

Part Number	Lg. (mm)	Angle
5JIDOV.5	12.7	10°
5JIDOV1.0	25.4	10°
5JIDOV1.5	38.1	10°
5JIDOV30.5	12.7	30°
5JIDOV301.0	25.4	30°
5JIDOV301.5	38.1	30°

VICE JAWS & ACCESSORIES

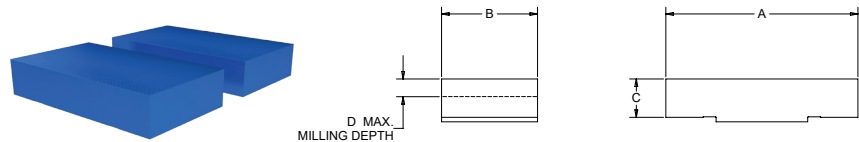
- INSERT JAW SETS FOR 130MM VISE**
- Includes Serrated Inserts
 - Alloy Steel Jaw, Thru Hardened
 - Alternate Insert Styles Available
 - Set Includes 2 Jaws



Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
5CV13041-INSJ	130	60	30	27	5.5	6.7	25	12.7
5CV13041-INSJ-L	130	60	36	33	5.5	6.7	25	12.7

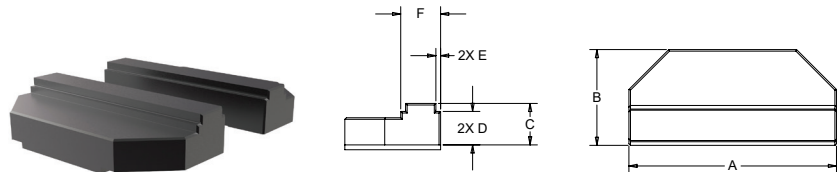
- SOFT JAW SETS FOR 130MM VISE**
- High Strength Aluminum with Blue Anodize Finish or Low Carbon Steel with Black Oxide Finish
 - Set Includes 2 Jaws

Part Number	A (mm)	B (mm)	C (mm)	D (mm)	Material
5CV13041-ASJ	130	74	26	12	Aluminum
5CV13041-ASJ-50	130	74	50	36	Aluminum
5CV13041-SSJ	130	74	26	12	Steel
5CV13041-SSJ-50	130	74	50	36	Steel



- STEP JAW SET FOR 130MM VISE**
- Alloy Steel, Thru Hardened, Black Oxide Finish
 - Set Includes 2

Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
5CV13041-HSJ	130	60	26	21	3	25



WORKSTOP FOR 130MM VISE

Part Number

5CV13041-WST



