

DUAL FORCE HYDRAULIC EXTRA CAPACITY MACHINE VISES

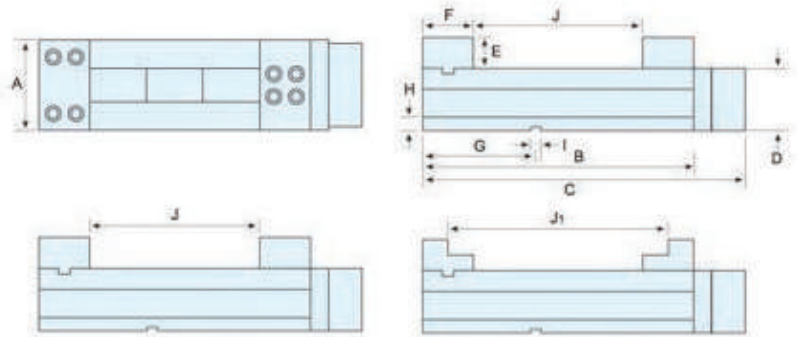
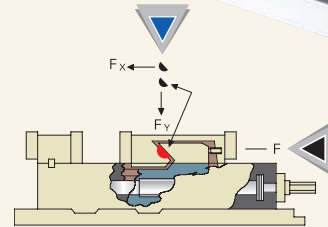
Palmgren Dual Force Hydraulic Extra Capacity Machine Vises are built for use on all sizes of CNC machines. With their mechanical booster, these vises have rapid closing capabilities and can achieve high clamping pressures. Palmgren Dual Force Hydraulic Extra Capacity Machine Vises give users the capability of opening and closing multiple vises at the same time. The vises are the perfect solution for full production shops and can be mounted parallel to each other for high throughput machining. With the addition of an optional Air-Actuated Hydraulic Booster (9625953), these vises can be connected directly to machining center airline connections, allowing for full automation of the vises.

- Improved hydraulic pump allows for greater clamping force
- Equipped with Dual Force anti-lift mechanism
- Lead screw cover to prevent wear from chip build up
- Hardened jaw plates
- Hardened vise bed
- Parallelism of vise base to bed of 0.0004"
- Squareness from the bed to jaw face 0.0006"
- Parallelism of keyways on bottom of vise bed to the jaw face 0.0006"
- 80,000 PSI ductile iron castings prevent vise bending
- Extra wide opening to hold larger workpieces



DUAL-FORCE DESIGN

1/2 pound of downward force for every pound of horizontal force.



Item #	A	B	C	D	E	F	G	H	I	J	J1	Weight	Max Clamping Pressure
9625949	6.299	19.291	23.228	4.331	2.165	3.346	5.906	0.906	0.709	11.811	15.157	132 lbs.	6,614 lbf
9625950	7.874	22.244	26.181	4.724	2.362	3.937	8.661	0.906	0.709	13.78	17.717	220 lbs.	6,614 lbf



AIR-ACTUATED HYDRAULIC BOOSTER

The Palmgren Air-Actuated Hydraulic Booster has a continuously reciprocating design, using air input to drive a boosting pump for higher hydraulic pressure. The booster allows for the control of vise clamping pressure by controlling the air inlet pressure via an adjusting valve. This booster can be used in conjunction with one or multiple Palmgren Dual Force Hydraulic Machine Vises.

- Suitable in extended clamping operations
- Prevents oil temperature hikes
- Requires no electricity, making it safe to use in dangerous and restricted work areas
- Featuring a compact oil tank, the booster has a small footprint and is easy to install

Item # 9625953