



VICE COMBINATIONS

PANA VISE®

PV JR

- More like a tool than a vise, the grooved jaws open to 2 7/8" (73 mm) and are made from fibre reinforced thermal composite alloy
- Jaws are controlled with a fine/coarse adjusting knob, which permits very delicate work
- Head movement is through three planes (360° rotation, 360° swivel and 210° pivot) and is controlled with a single knob
- Base is made of die cast zinc, with a 4 5/16" (109.5 mm) bolt circle countersunk for 1/4" (6.3 mm) flathead bolts (not included)
- 6 3/4" tall (171.4 mm) and weighs 1 1/4 lbs. (0.6 kg)

Model No. TGZ417 Mfg. No. 201
Price/Each \$99.32



STANDARD

- All-purpose work holding unit, perfect for both industrial and home hobbyist applications
- A single knob controls the "tilt, turn and rotate" function of the patented split ball, which allows the head to move easily and conveniently through three planes (360° rotation, 360° swivel and 90° pivot)
- Jaws are 2 1/2" (63.5 mm) wide and open to 2 1/4" (57.1 mm), and the base features a 4 5/16" (109.5 mm) bolt circle
- The combination stands 6 3/4" (171.4 mm) tall, weighs 2 lbs. 11 oz. (1.2 kg)

Model No. WJ595 Mfg. No. 301
Price/Each \$183.00



VACUUM BASE

- A half turn of the mount lever attaches or releases the powerful suction pad and allows rapid set-ups in a variety of locations (for use on smooth, non-porous surfaces only)
- This combination stands 6 1/8" (155.6 mm) tall and weighs 2 lbs. 13 oz. (1.3 kg)

Model No. WJ596 Mfg. No. 381
Price/Each \$247.00



WIDE-OPEN HEAD

- This vise provides a wide gripping head with the full "tilt, turn and rotate" capabilities of the split ball (found in every 300 and 400 series base)
- Unit stands 7 5/16" (185.7 mm) tall and weighs 3 lbs. (1.4 kg)

Model No. WJ597 Mfg. No. 396
Price/Each \$232.00



MULTI-PURPOSE WORK CENTRE

- This is a most versatile combination, perfect for home or hobby needs
- This unit stands 7 7/8" (200 mm) tall and weighs 5 lbs. (2.3 kg)

Model No. WJ598 Mfg. No. 350
Price/Each \$339.00



PALMGREN® DUAL FORCE PRECISION MACHINE VISES

- High quality precision vise
- Wide clamping capacities
- Equipped with dual force anti-lift mechanism
- Vise nut does not extend past the vise body
- Hardened jaw plates and vise bed
- Bed heights matched to +/- 0.0004"
- 80 000 PSI stress relieved ductile iron castings
- Lifetime guarantee
- Jaw Plate: Smooth
- Overall Length: 18-15/16"
- Jaw Deflection: 0.001" @ 4000 lbs.
- Base Type: Slotted



Model No.	Jaw Width"	Jaw Opening"	Throat Depth"	Price /Each
TY0551	5-15/16	8-63/64	1-3/4	1019.00
TY0552	8-7/64	10-7/16	2-13/64	1989.00

PALMGREN® DUAL FORCE PRECISION DOUBLE STATION MACHINE VISES

- Dual force anti-lift mechanism at both ends of the vise
- 80 000 PSI ductile iron casting
- Can be mounted horizontally or vertically
- One handle operates the two moveable jaws
- Can clamp two of the same size parts
- Clamping force equalization
- Precision ground on all sides
- Height tolerance is within 0.001"
- Different work piece clamping applications
- Lifetime guarantee
- Jaw Plate: Smooth
- Overall Length: 21-7/64"
- Base Type: Slotted



Model No.	Jaw Width"	Jaw Opening"	Throat Depth"	Price /Each
TY0553	5-63/64	12-7/16	1-3/4	3059.00

PALMGREN® TRADITIONAL DRILL PRESS VISES

- Vise is ideal for use for drilling, tapping, reaming, spot-facing, counter boring and countersinking operations
- Made from 30 000 PSI tensile strength, fine grain cast iron
- Base and bed parallel to 0.001"
- Centre of base is open for holding work through the body of the vise
- Can be mounted on base, sides or on end for general use
- Lifetime guarantee
- Jaw Plate: Grooved
- Overall Length: 5-1/8"
- Overall Height: 1-13/16"
- Jaw Deflection: 0.002" @ 2000 lbs.
- Base Type: Universal



Model No.	Jaw Width"	Jaw Opening"	Throat Depth"	Price /Each
TY0554	1-1/2	1-1/2	1	149.00
TY0555	4	4	1-3/4	445.00
TY0556	6	6	2	752.00

PALMGREN® DUAL FORCE SWIVEL VISE BASES

- Allows position to 1 degree increments
- Comes with 11/16" keyways to align the vise to the machine table
- Base Type: Slotted



Model No.	Overall Length"	Overall Height"	Price /Each
TY0557	11	2-1/2	199.00
TY0558	13	2-1/2	349.00