

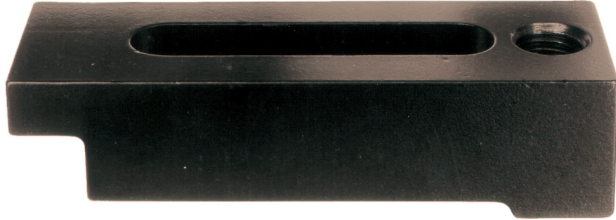


# MOLD CLAMPS - BOLTS - WASHERS

## FACTS & INFORMATION

### MACHINED MOLD CLAMPS

PPE heavy duty mold clamps are precision machined and surface hardened for maximum toughness without being brittle to withstand the bolt tension and stress common in their application. Available in closed and open-toe design.

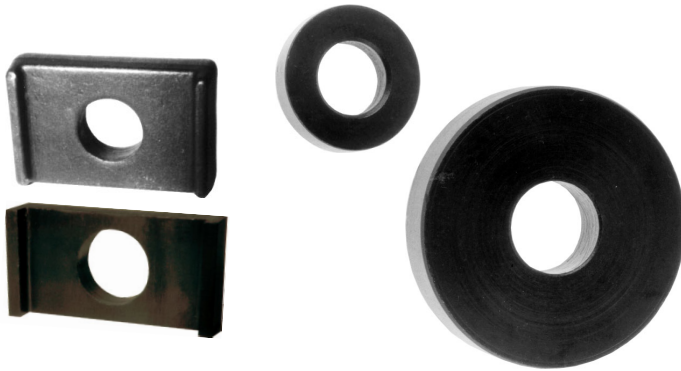


- Clamps are extra wide for greater holding power on your mold flanges
- Black oxide coating avoids rust



Heavy duty oversized hex bolts for greater holding power spread the load over a larger area on the clamp. Made from tool steel and heat treated for maximum tensile strength.

Standard duty grade 8 and hex socket head bolts also available from stock.



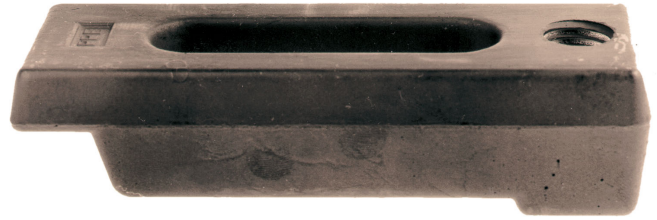
Heavy duty washers made from 4140 steel heat treated for maximum strength and toughness. Large O.D. provides a greater load bearing surface.

#### OPEN-TOE CLAMP LIMITED GUARANTEE

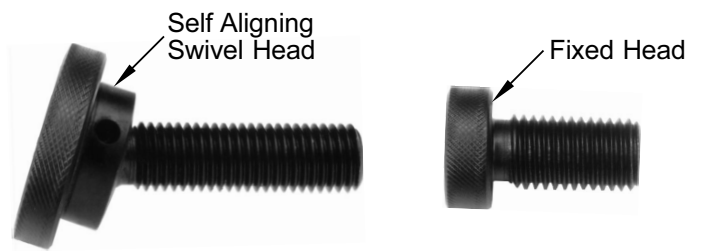
PPE Open-Toe Clamps are comparable or better in quality and workmanship than other brands on the market. Due to the Open-Toe design we cannot accept or replace clamps which may break during use. Always use Closed-Toe Mold Clamps where possible because they are stronger than Open-Toe Clamps.

### FORGED MOLD CLAMPS

PPE now offers extra heavy duty forged mold clamps forged and heat treated for extra toughness and durability required to meet today's clamping requirements. Available in closed and open toe design.



- Clamps are drilled and tapped for height adjustment bolts



Heavy duty precision machined height-adjustment bolts eliminate using shims.

### CLAMPING PRECAUTIONS

1. Always use the correct size and quantity of mold clamps for your application. Follow your mold suppliers recommendations.
2. Always use the correct quantity of mold clamps to hold your mold in place. If in doubt, use more.
3. Never use an undersized bolt or washer with a mold clamp and always match the bolt and washer to the clamp slot and platen thread size and depth.
4. Inspect mold clamps, bolts, washers and platen threads regularly! Do not use cracked or bent mold clamps.
5. Check and retighten all mold clamp bolts on a regular schedule.
6. Use closed-toe mold clamps where possible. They are stronger than open-toe clamps.
7. Always position the bolt as close to the mold as possible for maximum leverage and holding strength.
8. Always position the mold clamp so it is parallel to the platen. Use an adjustment bolt or shim to achieve parallel.
9. Bolt threads must penetrate your platen female thread a minimum of one and one half the thread diameter or more. A one inch bolt must penetrate at least one and one half inches. We suggest two times the diameter or more.
10. Be sure female platen threads are in good condition. If questionable use a thread repair insert to refurbish.

Be safe! Any clamp failure can be a danger to the user.



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