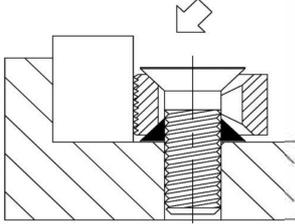
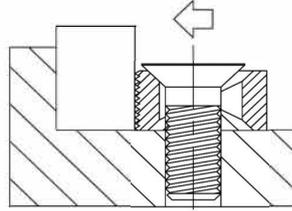


## TINY VISE® EDGE CLAMPS



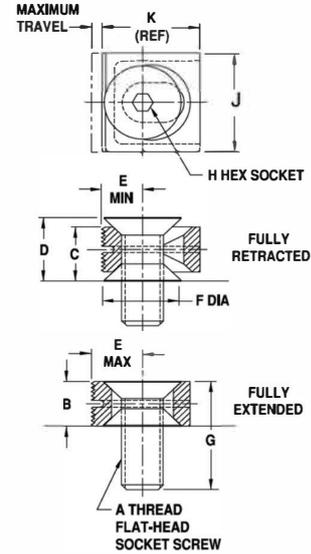
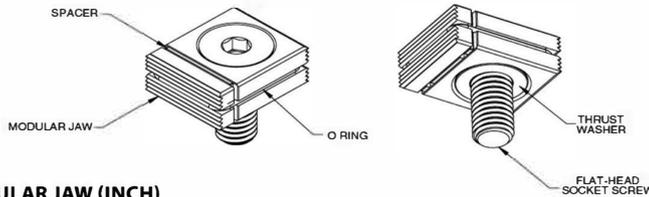
**Setup for Downthrust Force**  
(with Bottom Thrust Washer)



**Setup for Horizontal Force**  
(without Bottom Thrust Washer)

All clamps are supplied with an optional Bottom Thrust Washer (shown in black). Installing this washer under the clamp will raise the clamp slightly and provide downthrust force during clamping.

If no downthrust force is required, install the clamp without the Bottom Thrust Washer. Doing so will improve clamping speed because fewer screw turns are required.



### MODULAR JAW (INCH)

#### SETUP FOR DOWNTHRUST FORCE

| PART NO.  | JAW TYPE         | A       | B    | C    | D    | E    |           |      | F DIA | G     | H    | J     | K     | MAX TRAVEL | RECOMMENDED TORQUE (FT-LBS)* | APPROX. HORIZONTAL CLAMPING FORCE AT RECOMMENDED TORQUE (LBS)* |
|-----------|------------------|---------|------|------|------|------|-----------|------|-------|-------|------|-------|-------|------------|------------------------------|--|
|           |                  |         |      |      |      | MIN  | MID RANGE | MAX  |       |       |      |       |       |            |                              |  |
| CL-5-TVM  | Serrated         | 5/16-18 | .438 | .550 | .652 | .338 | .386      | .434 | .640  | 1     | 3/16 | 1     | .870  | .096       | 1.2                          | 240  |
| CL-5-TVMS | Smooth           |         |      |      |      |      |           |      |       |       |      |       |       |            |                              |  |
| CL-5-TVMN | Smooth (Delrin®) |         |      |      |      |      |           |      |       |       |      |       |       |            |                              |  |
| CL-5-TVMC | Carbide Abrasive | 1/2-13  | .562 | .702 | .833 | .474 | .534      | .594 | .897  | 1-3/8 | 5/16 | 1-1/4 | 1.187 | .120       | 6.6                          | 800  |
| CL-8-TVM  | Serrated         |         |      |      |      |      |           |      |       |       |      |       |       |            |                              |  |
| CL-8-TVMS | Smooth           |         |      |      |      |      |           |      |       |       |      |       |       |            |                              |  |
| CL-8-TVMN | Smooth (Delrin®) |         |      |      |      |      |           |      |       |       |      |       |       |            |                              |  |
| CL-8-TVMC | Carbide Abrasive |         |      |      |      |      |           |      |       |       |      |       |       |            |                              |  |

### MODULAR JAW (INCH)

#### SETUP FOR HORIZONTAL FORCE

|           |                  |         |      |      |      |      |      |      |      |       |      |       |       |      |     |     |
|-----------|------------------|---------|------|------|------|------|------|------|------|-------|------|-------|-------|------|-----|-----|
| CL-5-TVM  | Serrated         | 5/16-18 | .438 | .438 | .540 | .338 | .386 | .434 | .640 | 1     | 3/16 | 1     | .870  | .096 | 2.4 | 240 |
| CL-5-TVMS | Smooth           |         |      |      |      |      |      |      |      |       |      |       |       |      |     |     |
| CL-5-TVMN | Smooth (Delrin®) |         |      |      |      |      |      |      |      |       |      |       |       |      |     |     |
| CL-5-TVMC | Carbide Abrasive | 1/2-13  | .562 | .652 | .693 | .474 | .534 | .594 | .897 | 1-3/8 | 5/16 | 1-1/4 | 1.187 | .120 | 13  | 800 |
| CL-8-TVM  | Serrated         |         |      |      |      |      |      |      |      |       |      |       |       |      |     |     |
| CL-8-TVMS | Smooth           |         |      |      |      |      |      |      |      |       |      |       |       |      |     |     |
| CL-8-TVMN | Smooth (Delrin®) |         |      |      |      |      |      |      |      |       |      |       |       |      |     |     |
| CL-8-TVMC | Carbide Abrasive |         |      |      |      |      |      |      |      |       |      |       |       |      |     |     |

\*Recommended torque and clamping force are at 1/3 of yield strength, leaving 2/3 of holding capacity to resist external cutting forces, etc.

### SPARE PARTS

| COMPLETE CLAMP PART NO. | MODULAR JAW    |                 |                 |                  | SPACER     | O RING      | THRUST WASHER | FLAT-HEAD SOCKET SCREW |
|-------------------------|----------------|-----------------|-----------------|------------------|------------|-------------|---------------|------------------------|
|                         | SERRATED       | SMOOTH          | SMOOTH (DELIN®) | CARBIDE ABRASIVE |            |             |               |                        |
| CL-5-TVM                | 5-TVM-JAW-ASSY | 5-TVMS-JAW-ASSY | 5-TVMN-JAW-ASSY | 5-TVMC-JAW-ASSY  | 5-TVM-SPAC | 5-TVM-ORING | CL-5-TV-WASH  | CL-5/16-18X1.00-FHSS   |
| CL-8-TVM                | 8-TVM-JAW-ASSY | 8-TVMS-JAW-ASSY | 8-TVMN-JAW-ASSY | 8-TVMC-JAW-ASSY  | 8-TVM-SPAC | 8-TVM-ORING | CL-8-TV-WASH  | CL-1/2-13X1.38-FHSS    |