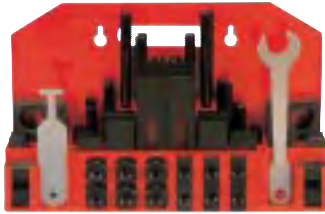


## 52 Piece Deluxe Steel Clamping Kits

### Each set contains:

- 6 T-slot nuts.
- 6 flange nuts.
- 4 coupling nuts.
- 6 step blocks.
- 6 serrated end clamps.
- 24 studs, 4 each: 3", 4", 5", 6", 7" & 8" long.
- Plastic holder with metal back

\* This items have two free parts:  
1 T slot cleaner & 1 nut wrench.



| Stud Size | Table Slot | Order No. |
|-----------|------------|-----------|
| 5/16"-18  | 3/8        | 400-3375  |
| 3/8-16    | 7/16       | 400-3437  |
| 3/8-16    | 1/2        | 400-3501  |
| 3/8-16    | 9/16       | 400-3456  |
| 1/2-13    | 9/16       | 400-3562  |
| 1/2-13    | 5/8        | 400-3626* |
| 1/2-13    | 11/16      | 400-2639  |
| 5/8-11    | 11/16      | 400-3740  |
| 5/8-11    | 3/4        | 400-3750  |
| 5/8-11    | 13/16      | 400-3759  |

## 38 Piece T-Nut & Stud Sets

### Each set contains:

- 4 flange nuts.
- 4 T-slot nuts.
- 4 coupling nuts.
- 1T-slot cleaner.
- 24 studs, 4 each:  
3", 4", 5", 6", 7" & 8" long.
- 1 wooden stand.



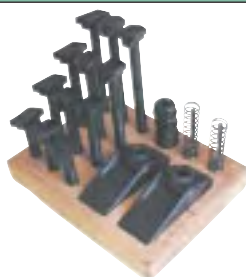
| Stud Size | Table Slot | Order No. |
|-----------|------------|-----------|
| 5/16"-18  | 3/8"       | 402-4375  |
| 3/8"-16   | 1/2"       | 402-4500  |
| 3/8"-16   | 7/16"      | 402-4437  |
| 3/8"-16   | 9/16"      | 402-4560  |
| 1/2"-13   | 9/16"      | 402-4562  |
| 1/2"-13   | 5/8"       | 402-4625  |
| 1/2"-13   | 11/16"     | 402-4680  |
| 5/8"-11   | 11/16"     | 402-4687  |
| 5/8"-11   | 3/4"       | 402-4750  |
| 5/8"-11   | 13/16"     | 402-4800  |
| 3/4"-10   | 13/16"     | 402-4812  |
| 3/4"-10   | 7/8"       | 402-4875  |
| 3/4"-10   | 1"         | 402-4900  |
| 3/4"-10   | 1-1/16"    | 402-4962  |

## Economy Adjusta-Clamp Kit

*Better Performance with just 21 pieces*

### Each set contains:

- 2 forged Adjusta-Clamps .
- 8 T slot bolts, two each of 2,4,5 & 6".
- 4 Rotary T slot bolts 3,4,5 & 6".
- 2 springs.
- 4 flange nuts.
- 1 sturdy holder.



Order No. 400-8032

## 50 Piece Super Clamp Sets

### Each set contains:

- 24 studs with flats,  
4 each: 3", 4", 5",  
6", 7" & 8" long.
- 4 coupling nuts.
- 4 flange nuts.
- 6 serrated end clamps.
- 4 T slot nuts.
- 6 step blocks.
- 1 T-slot cleaner.
- 1 wooden stand.



### with Standard Blocks 1"

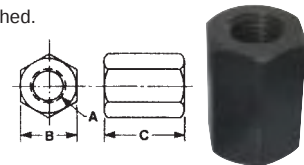
| Stud Size | Table Slot | Order No. |
|-----------|------------|-----------|
| 5/16"-18  | 3/8"       | 400-4375  |
| 3/8-16    | 7/16       | 400-4377  |
| 3/8-16    | 1/2        | 400-4379  |
| 1/2-13    | 9/16       | 400-4381  |
| 1/2-13    | 5/8        | 400-4626  |
| 1/2-13    | 11/16      | 400-4628  |
| 5/8-11    | 11/16      | 400-4630  |
| 5/8-11    | 3/4        | 400-4632  |
| 5/8-11    | 13/16      | 400-4634  |

### with Heavy Duty Blocks 1-1/2"

| Stud Size | Table Slot | Order No. |
|-----------|------------|-----------|
| 1/2-13    | 9/16       | 400-4636  |
| 1/2-13    | 5/8        | 400-4638  |
| 1/2-13    | 11/16      | 400-4640  |
| 5/8-11    | 11/16      | 400-4642  |
| 5/8-11    | 3/4        | 400-4644  |
| 5/8-11    | 13/16      | 400-4646  |
| 3/4-10    | 13/16      | 400-4648  |
| 3/4-10    | 7/8        | 400-4650  |
| 3/4-10    | 1          | 400-4652  |

## Coupling Nuts

- Heated treated steel black oxide finished.

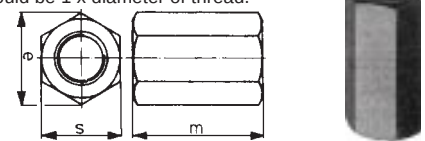


| Thread Size A | Hex Size B | Length C | Order No. |
|---------------|------------|----------|-----------|
| 1/4-20        | 1/2        | 5/8      | 407-4016  |
| 5/16"-18      | 9/16"      | 7/8"     | 407-4020  |
| 3/8-16        | 11/16      | 1"       | 407-4024  |
| 1/2-13        | 7/8        | 1-1/4    | 407-4032  |
| 5/8-11        | 15/16      | 1-5/8    | 407-4040  |
| 3/4-10        | 1-1/8      | 1-7/8    | 407-4048  |
| 7/8-9         | 1-5/16     | 2-1/4    | 407-4056  |
| 1-8           | 1-5/8      | 2-1/2    | 407-4064  |

## Metric Coupling Nuts

Material: European class 10.9 steel

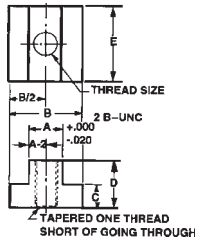
For functional and safety purposes bolts (DIN 787) and/or studs (DIN 6379) to be joined should be screwed in on either side to half the length of the nut. Minimum thread reach should be 1 x diameter of thread.



| Thread Size | Hex Size S | E    | Ht. | Order No. |
|-------------|------------|------|-----|-----------|
| M6          | 10         | 11.5 | 18  | 407-4106  |
| M8          | 13         | 15.0 | 24  | 407-4108  |
| M10         | 16         | 17.8 | 30  | 407-4110  |
| M12         | 18         | 20.0 | 36  | 407-4112  |
| M14         | 21         | 23.4 | 42  | 407-4114  |
| M16         | 24         | 27.7 | 48  | 407-4116  |
| M18         | 27         | 31.2 | 54  | 407-4118  |
| M20         | 30         | 34.6 | 60  | 407-4120  |
| M24         | 36         | 41.6 | 72  | 407-4124  |

## T-Slot Nuts

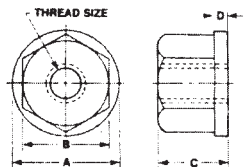
An imperfect thread is left on the tapped T-Nut base to eliminate any danger of screwing the stud through the T-nut and damaging the table slot.



| Thread Size | Table Slot A | Base W B | Slot Ht. C | OAH D | OAL E | Order No. |
|-------------|--------------|----------|------------|-------|-------|-----------|
| 1/4"-20     | 5/16"        | 9/16"    | 3/16"      | 1/4"  | 9/16" | 407-2241  |
| 1/4-20      | 3/8          | 9/16     | 15/64      | 3/8   | 9/16  | 407-2242  |
| 5/16-18     | 3/8          | 5/8      | 3/16       | 1/2   | 7/8   | 407-2202  |
| 5/16-18     | 7/16         | 11/16    | 7/32       | 1/2   | 7/8   | 407-2244  |
| 5/16-18     | 1/2          | 7/8      | 9/32       | 1/2   | 7/8   | 407-2245  |
| 3/8-16      | 7/16         | 11/16    | 7/32       | 1/2   | 7/8   | 407-2204  |
| 3/8-16      | 1/2          | 7/8      | 9/32       | 1/2   | 7/8   | 407-2206  |
| 3/8-16      | 9/16         | 7/8      | 11/32      | 5/8   | 1-1/8 | 407-2208  |
| 7/16-14     | 1/2          | 3/4      | 7/32       | 3/8   | 7/8   | 407-2249  |
| 7/16-14     | 1/2          | 7/8      | 9/32       | 1/2   | 7/8   | 407-2250  |
| 1/2-13      | 9/16         | 7/8      | 11/32      | 5/8   | 1-1/8 | 407-2210  |
| 1/2-13      | 5/8          | 1        | 11/32      | 5/8   | 1-1/8 | 407-2212  |
| 1/2-13      | 5/8          | 1-1/8    | 3/8        | 3/4   | 1-1/8 | 407-2253  |
| 1/2-13      | 11/16        | 1-1/8    | 7/16       | 3/4   | 1-1/4 | 407-2214  |
| 1/2-13      | 3/4          | 1-1/4    | 15/32      | 3/4   | 1-1/4 | 407-2255  |
| 5/8-11      | 11/16        | 1-1/8    | 7/16       | 3/4   | 1-1/4 | 407-2216  |
| 5/8-11      | 3/4          | 1-1/4    | 15/32      | 3/4   | 1-1/4 | 407-2218  |
| 5/8-11      | 13/16        | 1-1/4    | 9/16       | 1     | 1-1/2 | 407-2220  |
| 3/4-10      | 13/16        | 1-1/4    | 9/16       | 1     | 1-1/2 | 407-2222  |
| 3/4-10      | 7/8          | 1-1/2    | 9/16       | 1     | 1-1/2 | 407-2224  |
| 3/4-10      | 1            | 1-5/8    | 5/8        | 1     | 1-3/4 | 407-2226  |
| 3/4-10      | 3/4-10       | 1-3/4    | 3/4        | 1-1/2 | 1-3/4 | 407-2262  |
| 3/4-10      | 1-1/16       | 1-5/8    | 11/16      | 1-1/8 | 2     | 407-2228  |
| 7/8-9       | 1            | 1-5/8    | 5/8        | 1     | 1-3/4 | 407-2230  |
| 7/8-9       | 1-1/16       | 1-5/8    | 11/16      | 1-1/8 | 2     | 407-2265  |
| 7/8-9       | 1-1/8        | 1-3/4    | 3/4        | 1-1/2 | 2     | 407-2266  |
| 7/8-9       | 1-5/16       | 2        | 15/16      | 1-1/4 | 2     | 407-2267  |
| 1-8         | 1-1/16       | 1-5/8    | 11/16      | 1-1/8 | 2     | 407-2232  |
| 1-8         | 1-1/8        | 1-3/4    | 3/4        | 1-1/2 | 2     | 407-2269  |
| 1-8         | 1-1/4        | 2        | 6/7        | 1-1/1 | 2     | 407-2270  |
| 1-8         | 1-3/8        | 2        | 15/16      | 1-1/4 | 2     | 407-2271  |
| 1-1/4-7     | 1-3/8        | 2-1/2    | 1/1/8      | 1-3/4 | 2-1/2 | 407-2272  |

## Flanged Nuts

- Heat treated steel, black oxide finished.



| Thread Size | A      | B      | C     | D    | Order No. |
|-------------|--------|--------|-------|------|-----------|
| 5/16"-18    | 11/16" | 9/16"  | 9/32" | 1/8" | 407-5020  |
| 3/8-16      | 53/64  | 21/32  | 33/64 | 1/8  | 407-5024  |
| 1/2-13      | 1-5/32 | 7/8    | 1/2   | 3/16 | 407-5032  |
| 5/8-11      | 1-5/16 | 15/16  | 5/8   | 3/16 | 407-5040  |
| 3/4-10      | 1-1/2  | 1-1/8  | 21/32 | 1/4  | 407-5048  |
| 7/8-9       | 1-3/4  | 1-5/16 | 3/4   | 1/4  | 407-5056  |
| 1-8         | 2      | 1-1/2  | 7/8   | 1/4  | 407-5064  |

## Clamping Studs



| Thread  | OAL    | Thread Length | Order No. |
|---------|--------|---------------|-----------|
| 1/4-20  | 1-1/2  | 1/2           | 407-0015  |
| 1/4-20  | 2      | 3/4           | 407-0020  |
| 1/4-20  | 2-1/2  | 1             | 407-0025  |
| 1/4-20  | 3      | 1             | 407-0030  |
| 1/4-20  | 3-1/2  | 1             | 407-0035  |
| 1/4-20  | 4      | 1             | 407-0040  |
| 1/4-20  | 4-1/2  | 1             | 407-0045  |
| 1/4-20  | 5      | 1             | 407-0050  |
| 1/4-20  | 5-1/2  | 1             | 407-0055  |
| 1/4-20  | 6      | 1             | 407-0060  |
| 1/4-20  | 6-1/2  | 1             | 407-0065  |
| 1/4-20  | 7      | 1             | 407-0070  |
| 1/4-20  | 7-1/2  | 1             | 407-0075  |
| 1/4-20  | 8      | 1             | 407-0080  |
| 5/16-18 | 1-1/2" | 1/2"          | 407-0115  |
| 5/16-18 | 2      | 3/4           | 407-0120  |
| 5/16-18 | 2-1/2  | 1             | 407-0125  |
| 5/16-18 | 3      | 1-1/8         | 407-0130  |
| 5/16-18 | 3-1/2  | 1-1/8         | 407-0135  |
| 5/16-18 | 4      | 1-1/8         | 407-0140  |
| 5/16-18 | 4-1/2  | 1-1/8         | 407-0145  |
| 5/16-18 | 5      | 1-1/8         | 407-0150  |
| 5/16-18 | 5-1/2  | 1-1/8         | 407-0155  |
| 5/16-18 | 6      | 1-1/8         | 407-0160  |
| 5/16-8  | 6-1/2  | 1-1/8         | 407-0165  |
| 5/16-18 | 7      | 1-1/8         | 407-0170  |
| 5/16-18 | 7-1/2  | 1-1/8         | 407-0175  |
| 5/16-18 | 8      | 1-1/8         | 407-0180  |
| 3/8-16  | 1-1/2  | 1/2           | 407-0215  |
| 3/8-16  | 2      | 3/4           | 407-0220  |
| 3/8-16  | 2-1/2  | 1             | 407-0225  |
| 3/8-16  | 3      | 1-1/8         | 407-0230  |
| 3/8-16  | 3-1/2  | 1-1/4         | 407-0235  |
| 3/8-16  | 4      | 1-1/4         | 407-0240  |
| 3/8-16  | 4-1/2  | 1-1/4         | 407-0245  |
| 3/8-16  | 5      | 1-1/4         | 407-0250  |
| 3/8-16  | 5-1/2  | 1-1/4         | 407-0255  |
| 3/8-16  | 6      | 1-1/4         | 407-0260  |
| 3/8-16  | 6-1/2  | 1-1/4         | 407-0265  |
| 3/8-16  | 7      | 1-1/4         | 407-0270  |
| 3/8-16  | 7-1/2  | 1-1/4         | 407-0275  |
| 3/8-16  | 8      | 1-1/4         | 407-0280  |
| 7/16-14 | 1-1/2  | 1/2           | 407-0815  |
| 7/16-14 | 2      | 3/4           | 407-0820  |
| 7/16-14 | 2-1/2  | 1             | 407-0825  |
| 7/16-14 | 3      | 1             | 407-0830  |
| 7/16-14 | 3-1/2  | 1-1/4         | 407-0835  |
| 7/16-14 | 4      | 1-3/8         | 407-0840  |
| 7/16-14 | 4-1/2  | 1-3/8         | 407-0845  |
| 7/16-14 | 5      | 1-3/8         | 407-0850  |
| 7/16-14 | 5-1/2  | 1-3/8         | 407-0855  |
| 7/16-14 | 6      | 1-3/8         | 407-0850  |
| 7/16-14 | 6-1/2  | 1-3/8         | 407-0865  |
| 7/16-14 | 7-1/2  | 1-3/8         | 407-0875  |
| 1/2-13  | 1-1/2" | 1/2"          | 407-0315  |
| 1/2-13  | 2      | 3/4           | 407-0320  |
| 1/2-13  | 2-1/2  | 1             | 407-0325  |
| 1/2-13  | 3      | 1-1/8         | 407-0330  |
| 1/2-13  | 3-1/2  | 1-3/8         | 407-0335  |
| 1/2-13  | 4      | 1-1/2         | 407-0340  |
| 1/2-13  | 4-1/2  | 1-1/2         | 407-0345  |
| 1/2-13  | 5      | 1-1/2         | 407-0350  |
| 1/2-13  | 5-1/2  | 1-1/2         | 407-0355  |
| 1/2-13  | 6      | 1-1/2         | 407-0360  |
| 1/2-13  | 6-1/2  | 1-1/2         | 407-0365  |
| 1/2-13  | 7      | 1-1/2         | 407-0370  |
| 1/2-13  | 7-1/2  | 1-1/2         | 407-0375  |
| 1/2-13  | 8      | 1-1/2         | 407-0380  |
| 1/2-13  | 9      | 1-1/2         | 407-0385  |
| 1/2-13  | 10     | 1-1/2         | 407-0390  |
| 1/2-13  | 12     | 1-1/2         | 407-0392  |
| 1/2-13  | 14     | 1-1/2         | 407-0394  |
| 1/2-13  | 16     | 1-1/2         | 407-0396  |
| 5/8-11  | 1-1/2  | 1/2           | 407-0415  |
| 5/8-11  | 2      | 3/4           | 407-0420  |
| 5/8-11  | 2-1/2  | 1             | 407-0425  |
| 5/8-11  | 3      | 1-1/8         | 407-0430  |
| 5/8-11  | 3-1/2  | 1-3/8         | 407-0435  |

| Thread | OAL   | Thread Length | Order No. |
|--------|-------|---------------|-----------|
| 5/8-11 | 4     | 1-5/8         | 407-0440  |
| 5/8-11 | 4-1/2 | 1-3/4         | 407-0445  |
| 5/8-11 | 5"    | 1-3/4"        | 407-0450  |
| 5/8-11 | 5-1/2 | 1-3/4         | 407-0455  |
| 5/8-11 | 6     | 1-3/4         | 407-0460  |
| 5/8-11 | 6-1/2 | 1-3/4         | 407-0465  |
| 5/8-11 | 7     | 1-3/4         | 407-0470  |
| 5/8-11 | 7-1/2 | 1-3/4         | 407-0475  |
| 5/8-11 | 8     | 1-3/4         | 407-0480  |
| 5/8-11 | 9     | 1-3/4         | 407-0485  |
| 5/8-11 | 10    | 1-3/4         | 407-0490  |
| 5/8-11 | 12    | 1-3/4         | 407-0492  |
| 5/8-11 | 14    | 1-3/4         | 407-0494  |
| 5/8-11 | 16    | 1-3/4         | 407-0495  |
| 5/8-11 | 18    | 1-3/4         | 407-0496  |
| 5/8-11 | 20    | 1-3/4         | 407-0497  |
| 5/8-11 | 22    | 1-3/4         | 407-0498  |
| 5/8-11 | 24    | 1-3/4         | 407-0499  |
| 3/4-10 | 3     | 1             | 407-0530  |
| 3/4-10 | 3-1/2 | 1-1/4         | 407-0535  |
| 3/4-10 | 4     | 1-5/8         | 407-0540  |
| 3/4-10 | 4-1/2 | 1-7/8         | 407-0545  |
| 3/4-10 | 5     | 2             | 407-0550  |
| 3/4-10 | 5-1/2 | 2             | 407-0555  |
| 3/4-10 | 6     | 2             | 407-0560  |
| 3/4-10 | 6-1/2 | 2             | 407-0565  |
| 3/4-10 | 7     | 2             | 407-0570  |
| 3/4-10 | 7-1/2 | 2             | 407-0575  |
| 3/4-10 | 8     | 1-3/4         | 407-0578  |
| 3/4-10 | 8     | 2             | 407-0580  |
| 3/4-10 | 9     | 2             | 407-0585  |
| 3/4-10 | 10    | 2             | 407-0590  |
| 3/4-10 | 12    | 2             | 407-0591  |
| 3/4-10 | 14    | 2             | 407-0592  |
| 3/4-10 | 16    | 2             | 407-0593  |
| 3/4-10 | 18    | 2             | 407-0594  |
| 3/4-10 | 20    | 2             | 407-0595  |
| 3/4-10 | 22    | 2             | 407-0596  |
| 3/4-10 | 24    | 2             | 407-0597  |
| 7/8-9  | 3"    | 1             | 407-0630  |
| 7/8-9  | 3-1/2 | 1-1/4         | 407-0635  |
| 7/8-9  | 4     | 1-1/2         | 407-0640  |
| 7/8-9  | 4-1/2 | 1-3/4         | 407-0645  |
| 7/8-9  | 5     | 2             | 407-0650  |
| 7/8-9  | 5-1/2 | 2-1/4         | 407-0655  |
| 7/8-9  | 6     | 2-1/4         | 407-0660  |
| 7/8-9  | 6-1/2 | 2-1/4         | 407-0665  |
| 7/8-9  | 7     | 2-1/4         | 407-0670  |
| 7/8-9  | 7-1/2 | 2-1/4         | 407-0675  |
| 7/8-9  | 8     | 2-1/4         | 407-0680  |
| 7/8-9  | 9     | 2-1/4         | 407-0685  |
| 7/8-9  | 10    | 2-1/4         | 407-0690  |
| 7/8-9  | 12    | 2-1/4         | 407-0691  |
| 7/8-9  | 14    | 2-1/4         | 407-0692  |
| 7/8-9  | 16    | 2-1/4         | 407-0693  |
| 7/8-9  | 18    | 2-1/4         | 407-0694  |
| 7/8-9  | 20    | 2-1/4         | 407-0695  |
| 7/8-9  | 22    | 2-1/4         | 407-0696  |
| 7/8-9  | 24    | 2-1/4         | 407-0697  |
| 1-8    | 3     | 1             | 407-0730  |
| 1-8    | 3-1/2 | 1-1/4         | 407-0735  |
| 1-8    | 4     | 1-1/2         | 407-0740  |
| 1-8    | 4-1/2 | 1-3/4         | 407-0745  |
| 1-8    | 5     | 2             | 407-0750  |
| 1-8    | 5-1/2 | 2-1/4         | 407-0755  |
| 1-8    | 6     | 2-1/2         | 407-0760  |
| 1-8    | 6-1/2 | 2-1/2         | 407-0765  |
| 1-8    | 7-1/2 | 2-1/2         | 407-0775  |
| 1-8    | 8     | 2-1/2         | 407-0780  |
| 1-8    | 9     | 2-1/2         | 407-0785  |
| 1-8    | 10    | 2-1/2         | 407-0790  |
| 1-8    | 12    | 2-1/2         | 407-0791  |
| 1-8    | 14    | 2-1/2         | 407-0792  |
| 1-8    | 16    | 2-1/2         | 407-0793  |
| 1-8    | 18    | 2-1/2         | 407-0794  |
| 1-8    | 20    | 2-1/2         | 407-0795  |
| 1-8    | 22    | 2-1/2         | 407-0796  |
| 1-8    | 24    | 2-1/2         | 407-0797  |

## Threaded Studs

These headless externally-threaded studs are designed to provide a permanently mounted anchor. All studs have rolled thread to a commercial nut fit.

### Type 18-8 Stainless Steel

- Excellent corrosion resistance
- Ideal for chemical, marine, and other environments where corrosion is a factor
- Min. tensile strength: 75,000 psi
- Can be mildly magnetic



| Thd. Size | OAL   | Order No. | Thd. Size | OAL   | Order No. | Thd. Size | OAL   | Order No. | Thd. Size | OAL   | Order No. |
|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|
| 2-56      | 1"    | 407-1019  | 10-24     | 3/4   | 407-1038  | 1/4-20    | 1-1/2 | 407-1052  | 1/2-13    | 2     | 407-1076  |
| 2-56      | 1-1/2 | 407-1020  | 10-24     | 1     | 407-1039  | 1/4-20    | 1-3/4 | 407-1053  | 1/2-13    | 2 1/2 | 407-1077  |
| 2-56      | 2     | 407-1021  | 10-24     | 1-1/2 | 407-1040  | 1/4-20    | 2     | 407-1054  | 1/2-13    | 3     | 407-1078  |
| 4-40      | 1/2   | 407-1001  | 10-24     | 2     | 407-1041  | 1/4-20    | 2-1/4 | 407-1055  | 1/2-13    | 3-1/2 | 407-1079  |
| 4-40      | 3/4   | 407-1022  | 10-24     | 2-1/2 | 407-1042  | 1/4-20    | 2-1/2 | 407-1056  | 1/2-13    | 4     | 407-1080  |
| 4-40      | 1     | 407-1023  | 10-24     | 3     | 407-1043  | 1/4-20    | 3     | 407-1057  | 1/2-13    | 4-1/2 | 407-1081  |
| 4-40      | 1-1/2 | 407-1024  | 10-24     | 4     | 407-1044  | 1/4-20    | 4     | 407-1058  | 1/2-13    | 5     | 407-1082  |
| 4-40      | 2     | 407-1025  | 10-24     | 5     | 407-1008  | 1/4-28    | 3/4   | 407-1102  | 1/2-13    | 5-1/2 | 407-1083  |
| 4-40      | 2-1/2 | 407-1026  | 10-24     | 6     | 407-1009  | 1/4-28    | 1     | 407-1103  | 1/2-13    | 6     | 407-1084  |
| 4-40      | 3     | 407-1002  | 10-32     | 3/4   | 407-1045  | 5/16-18   | 1     | 407-1059  | 5/8-11    | 5     | 407-1085  |
| 6-32      | 3/4   | 407-1027  | 10-32     | 1     | 407-1046  | 5/16-18   | 1-1/4 | 407-1060  | 5/8-11    | 2-1/2 | 407-1086  |
| 6-32      | 1     | 407-1028  | 10-32     | 1-1/2 | 407-1047  | 5/16-18   | 1-1/2 | 407-1061  | 5/8-11    | 3     | 407-1087  |
| 6-32      | 1-1/2 | 407-1029  | 10-32     | 2     | 407-1104  | 5/16-18   | 1-3/4 | 407-1062  | 5/8-11    | 3-1/2 | 407-1088  |
| 6-32      | 2     | 407-1030  | 10-32     | 2-1/2 | 407-1048  | 5/16-18   | 2     | 407-1063  | 5/8-11    | 4     | 407-1089  |
| 6-32      | 2-1/2 | 407-1031  | 10-32     | 1/2   | 407-1010  | 5/16-18   | 2-1/2 | 407-1064  | 5/8-11    | 4-1/2 | 407-1090  |
| 6-32      | 1/2   | 407-1003  | 10-32     | 3     | 407-1011  | 5/16-18   | 3     | 407-1065  | 5/8-11    | 5     | 407-1091  |
| 6-32      | 3     | 407-1004  | 10-32     | 4     | 407-1012  | 3/8-16    | 1     | 407-1066  | 5/8-11    | 6     | 407-1092  |
| 6-32      | 4     | 407-1005  | 10-32     | 5     | 407-1013  | 3/8-16    | 1-1/4 | 407-1067  | 5/8-11    | 7     | 407-1093  |
| 8-32      | 1/2   | 407-1006  | 10-32     | 6     | 407-1014  | 3/8-16    | 1-1/2 | 407-1068  | 3/4-10    | 2     | 407-1094  |
| 8-32      | 3/4   | 407-1032  | 1/4-28    | 1-1/2 | 407-1015  | 3/8-16    | 1-3/4 | 407-1069  | 3/4-10    | 3     | 407-1095  |
| 8-32      | 1     | 407-1033  | 1/4-28    | 2     | 407-1016  | 3/8-16    | 2     | 407-1070  | 3/4-10    | 3-1/2 | 407-1096  |
| 8-32      | 1-1/2 | 407-1034  | 1/4-28    | 3     | 407-1017  | 3/8-16    | 2-1/4 | 407-1071  | 3/4-10    | 4     | 407-1097  |
| 8-32      | 2     | 407-1035  | 1/4-28    | 3-1/2 | 407-1018  | 3/8-16    | 2-1/2 | 407-1072  | 3/4-10    | 5     | 407-1098  |
| 8-32      | 2-1/2 | 407-1036  | 1/4-20    | 3/4   | 407-1049  | 3/8-16    | 3     | 407-1073  | 3/4-10    | 6     | 407-1099  |
| 8-32      | 3     | 407-1037  | 1/4-20    | 1     | 407-1050  | 3/8-16    | 4     | 407-1074  | 3/4-10    | 7     | 407-1100  |
| 10-24     | 1/2   | 407-1007  | 1/4-20    | 1-1/4 | 407-1051  | 1/2-13    | 1-1/2 | 407-1075  | 3/4-10    | 8     | 407-1101  |

### Type 316 Stainless Steel

- Non-magnetic material with Molybdenum
- Better corrosion resistance than type 18-8 Stainless Steel withstands many industrial chemicals and solutions
- Even pitting caused by chlorides is virtually eliminated
- Minimum tensile strength is 75,000 psi

| Thd. Size | OAL   | Order No. | Thd. Size | OAL    | Order No. | Thd. Size | OAL   | Order No. | Thd. Size | OAL   | Order No. |
|-----------|-------|-----------|-----------|--------|-----------|-----------|-------|-----------|-----------|-------|-----------|
| 10-32     | 3/4"  | 407-1201  | 1/4-20    | 2      | 407-1210  | 3/8-16    | 2     | 407-1219  | 1/2-13    | 6     | 407-1228  |
| 10-32     | 1     | 407-1202  | 5/16-18   | 1      | 407-1211  | 3/8-16    | 2-1/2 | 407-1220  | 5/8-11    | 3-1/2 | 407-1229  |
| 10-32     | 1-1/4 | 407-1203  | 5/16-18   | 1-1/4" | 407-1212  | 3/8-16    | 3     | 407-1221  | 5/8-11    | 4     | 407-1230  |
| 10-32     | 1-1/2 | 407-1204  | 5/16-18   | 1-1/2  | 407-1213  | 1/2-13    | 2     | 407-1222  | 5/8-11    | 5     | 407-1231  |
| 10-32     | 2     | 407-1205  | 5/16-18   | 2      | 407-1214  | 1/2-13    | 2-1/2 | 407-1223  | 5/8-11    | 6     | 407-1232  |
| 1/4-20    | 3/4.  | 407-1206  | 3/8-16    | 1      | 407-1215  | 1/2-13    | 3     | 407-1224  | 3/4-10    | 3-1/2 | 407-1233  |
| 1/4-20    | 1     | 407-1207  | 3/8-16    | 1-1/4  | 407-1216  | 1/2-13    | 3-1/2 | 407-1225  | 3/4-10    | 4     | 407-1234  |
| 1/4-20    | 1-1/4 | 407-1208  | 3/8-16    | 1-1/2  | 407-1217  | 1/2-13    | 4     | 407-1226  | 3/4-10    | 5     | 407-1235  |
| 1/4-20    | 1-1/2 | 407-1209  | 3/8-16    | 1-3/4  | 407-1218  | 1/2-13    | 5     | 407-1227  | 3/4-10    | 6     | 407-1236  |

### Aluminum

- Excellent resistance to corrosion from rain, sunlight and atmosphere
- Ideal for exterior use
- 1/3 the weight of plain steel
- Minimum tensile strength ranges from 42,000-55,000 psi

| Thd. Size | OAL   | Order No. | Thd. Size | OAL   | Order No. | Thd. Size | OAL   | Order No. | Thd. Size | OAL    | Order No. |
|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|--------|-----------|
| 4-40      | 1"    | 407-1323  | 8-32      | 3/4"  | 407-1327  | 10-24     | 2"    | 407-1310  | 10-32     | 1-1/2" | 407-1302  |
| 4-40      | 1-1/2 | 407-1324  | 8-32      | 1     | 407-1328  | 10-24     | 2-1/2 | 407-1311  | 10-32     | 2      | 407-1315  |
| 4-40      | 2     | 407-1325  | 8-32      | 2     | 407-1329  | 10-24     | 3     | 407-1312  | 1/4-20    | 1      | 407-1316  |
| 4-40      | 2-1/2 | 407-1303  | 8-32      | 1-1/2 | 407-1307  | 10-24     | 4     | 407-1313  | 1/4-20    | 2      | 407-1317  |
| 6-32      | 1     | 407-1304  | 8-32      | 2-1/2 | 407-1308  | 10-24     | 5     | 407-1314  | 1/4-20    | 3      | 407-1318  |
| 6-32      | 1-1/2 | 407-1305  | 10-24     | 1/2   | 407-1309  | 10-24     | 6     | 407-1301  | 1/4-20    | 4      | 407-1319  |
| 6-32      | 2     | 407-1306  | 10-24     | 1     | 407-1321  | 10-32     | 1/2   | 407-1322  | 1/4-20    | 6      | 407-1329  |
| 6-32      | 2-1/2 | 407-1326  |           |       |           |           |       |           |           |        |           |

## Threaded Studs Continued

### Plain Steel

- Plain Steel, Class 5.8 Steel, Zinc Plated Steel
- Minimum tensile strength is 60.000 psi
- AISI C-1010 to C-1020 Steel,
- Zinc plating retards corrosion



| Thd. Size | OAL   | Order No. | Thd. Size | OAL    | Order No. | Thd. Size | OAL   | Order No. | Thd. Size` | OAL   | Order No. |
|-----------|-------|-----------|-----------|--------|-----------|-----------|-------|-----------|------------|-------|-----------|
| 2-56      | 1"    | 407-1529  | 10-24     | 3-1/2" | 407-1617  | 1/4-20    | 7"    | 407-1645  | 3/8-24     | 1"    | 407-1672  |
| 2-56      | 1-1/2 | 407-1530  | 10-24     | 4      | 407-1618  | 1/4-20    | 8     | 407-1646  | 3/8-24     | 2     | 407-1673  |
| 2-56      | 2     | 407-1531  | 10-24     | 5      | 407-1619  | 1/4-28    | 3/4   | 407-1647  | 3/8-24     | 3     | 407-1556  |
| 2-56      | 3     | 407-1501  | 10-24     | 6      | 407-1620  | 1/4-28    | 1     | 407-1648  | 7/16-14    | 1-1/2 | 407-1674  |
| 4-40      | 1/2   | 407-1603  | 10-24     | 7      | 407-1511  | 1/4-28    | 1-1/2 | 407-1649  | 7/16-14    | 2     | 407-1675  |
| 4-40      | 3/4   | 407-1604  | 10-24     | 8      | 407-1512  | 1/4-28    | 2     | 407-1650  | 7/16-14    | 2-1/2 | 407-1676  |
| 4-40      | 1     | 407-1605  | 10-32     | 1/2    | 407-1621  | 1/4-28    | 2-1/4 | 407-1651  | 7/16-14    | 3     | 407-1677  |
| 4-40      | 1-1/2 | 407-1606  | 10-32     | 3/4    | 407-1622  | 1/4-28    | 2-1/2 | 407-1652  | 7/16-14    | 3-1/2 | 407-1678  |
| 4-40      | 2     | 407-1607  | 10-32     | 1      | 407-1623  | 1/4-28    | 3     | 407-1653  | 1/2-13     | 1     | 407-1679  |
| 4-40      | 2-1/2 | 407-1532  | 10-32     | 1-1/2  | 407-1624  | 5/16-18   | 3/4   | 407-1654  | 1/2-13     | 1-1/4 | 407-1680  |
| 4-40      | 3     | 407-1502  | 10-32     | 2      | 407-1625  | 5/16-18   | 1     | 407-1655  | 1/2-13     | 1-1/2 | 407-1681  |
| 6-32      | 1/2   | 407-1503  | 10-32     | 2-1/2  | 407-1626  | 5/16-18   | 1-1/4 | 407-1656  | 1/2-13     | 1-3/4 | 407-1564  |
| 6-32      | 3/4   | 407-1533  | 10-32     | 3      | 407-1627  | 5/16-18   | 1-1/2 | 407-1657  | 1/2-13     | 2     | 407-1565  |
| 6-32      | 1     | 407-1534  | 10-32     | 3-1/2  | 407-1628  | 5/16-18   | 2     | 407-1658  | 1/2-13     | 2-1/2 | 407-1566  |
| 6-32      | 1-1/2 | 407-1535  | 10-32     | 4      | 407-1629  | 5/16-18   | 2-1/4 | 407-1659  | 1/2-13     | 3     | 407-1567  |
| 6-32      | 2     | 407-1536  | 10-32     | 5      | 407-1513  | 5/16-18   | 2-1/2 | 407-1660  | 1/2-13     | 3-1/2 | 407-1518  |
| 6-32      | 2-1/2 | 407-1608  | 10-32     | 6      | 407-1514  | 5/16-18   | 3     | 407-1661  | 1/2-13     | 4     | 407-1568  |
| 6-32      | 3     | 407-1609  | 10-32     | 7      | 407-1515  | 5/16-18   | 3-1/2 | 407-1662  | 1/2-13     | 4-1/2 | 407-1519  |
| 6-32      | 4     | 407-1504  | 10-32     | 8      | 407-1516  | 5/16-18   | 4     | 407-1663  | 1/2-13     | 5     | 407-1557  |
| 6-32      | 5     | 407-1505  | 12-24     | 1-1/2  | 407-1544  | 5/16-18   | 5     | 407-1664  | 1/2-13     | 6     | 407-1558  |
| 6-32      | 6     | 407-1506  | 12-24     | 2      | 407-1545  | 5/16-18   | 6     | 407-1665  | 5/8-11     | 1-1/2 | 407-1520  |
| 8-32      | 1/2   | 407-1507  | 12-24     | 3      | 407-1546  | 5/16-18   | 7     | 407-1666  | 5/8-11     | 2     | 407-1521  |
| 8-32      | 3/4   | 407-1537  | 1/4-20    | 1/2    | 407-1630  | 5/16-18   | 8     | 407-1667  | 5/8        | 2-1/2 | 407-1522  |
| 8-32      | 1     | 407-1538  | 1/4-20    | 3/4    | 407-1631  | 3/8-16    | 3/4   | 407-1668  | 5/8-11     | 2-3/4 | 407-1559  |
| 8-32      | 1-1/2 | 407-1539  | 1/4-20    | 1      | 407-1632  | 3/8-16    | 1     | 407-1669  | 5/8-11     | 3     | 407-1560  |
| 8-32      | 2     | 407-1540  | 1/4-20    | 1-1/4  | 407-1633  | 3/8-16    | 1-1/4 | 407-1670  | 5/8-11     | 3-1/2 | 407-1561  |
| 8-32      | 2-1/2 | 407-1610  | 1/4-20    | 1-1/2  | 407-1634  | 3/8-16    | 1-1/2 | 407-1671  | 5/8-11     | 4     | 407-1562  |
| 8-32      | 3     | 407-1611  | 1/4-20    | 2      | 407-1635  | 3/8-16    | 2     | 407-1547  | 5/8-11     | 6     | 407-1563  |
| 8-32      | 4     | 407-1612  | 1/4-20    | 2-1/4  | 407-1636  | 3/8-16    | 2-1/4 | 407-1548  | 3/4-10     | 1-1/2 | 407-1523  |
| 8-32      | 5     | 407-1613  | 1/4-20    | 2-1/2  | 407-1637  | 3/8-16    | 2-1/2 | 407-1549  | 3/4-10     | 2     | 407-1524  |
| 10-24     | 1/2   | 407-1510  | 1/4-20    | 2-3/4  | 407-1638  | 3/8-16    | 2-3/4 | 407-1550  | 3/4-10     | 2-1/2 | 407-1525  |
| 10-24     | 3/4   | 407-1541  | 1/4-20    | 3      | 407-1639  | 3/8-16    | 3     | 407-1551  | 3/4-10     | 3     | 407-1526  |
| 10-24     | 1     | 407-1542  | 1/4-20    | 3-1/2  | 407-1640  | 3/8-16    | 3-1/2 | 407-1552  | 3/4-10     | 4     | 407-1527  |
| 10-24     | 1-1/2 | 407-1543  | 1/4-20    | 4      | 407-1641  | 3/8-16    | 4     | 407-1553  | 3/4-10     | 6     | 407-1528  |
| 10-24     | 2     | 407-1614  | 1/4-20    | 4-1/2  | 407-1642  | 3/8-16    | 5     | 407-1554  |            |       |           |
| 10-24     | 2-1/2 | 407-1615  | 1/4-20    | 5      | 407-1643  | 3/8-16    | 6     | 407-1555  |            |       |           |
| 10-24     | 3     | 407-1616  | 1/4-20    | 6      | 407-1644  | 3/8-16    | 7     | 407-1517  |            |       |           |

### Zinc Plated Steel

| Thd. Size | OAL   | Order No. | Thd. Size | OAL   | Order No. | Thd. Size | OAL   | Order No. | Thd. Size | OAL | Order No. |
|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-----|-----------|
| 8-32      | 1/2"  | 407-1801  | 10-24     | 3"    | 407-1810  | 1/4-20    | 3"    | 407-1815  | 3/8-16    | 3"  | 407-1822  |
| 8-32      | 3/4   | 407-1802  | 10-24     | 4     | 407-1811  | 5/16-18   | 1     | 407-1833  | 3/8-16    | 4   | 407-1823  |
| 8-32      | 1     | 407-1803  | 10-24     | 5     | 407-1812  | 5/16-18   | 1-1/4 | 407-1816  | 3/8-16    | 6   | 407-1824  |
| 8-32      | 1-1/2 | 407-1804  | 10-24     | 6     | 407-1813  | 5/16-18   | 1-1/2 | 407-1817  | 3/8-16    | 8   | 407-1825  |
| 8-32      | 2     | 407-1805  | 1/4-20    | 1     | 407-1830  | 5/16-18   | 2     | 407-1818  | 3/8-16    | 10  | 407-1826  |
| 8-32      | 2-1/2 | 407-1806  | 1/4-20    | 1-1/4 | 407-1831  | 5/16-18   | 3     | 407-1819  | 1/2-13    | 2   | 407-1827  |
| 8-32      | 3     | 407-1807  | 1/4-20    | 1-1/2 | 407-1832  | 3/8-16    | 1-1/2 | 407-1820  | 1/2-13    | 3   | 407-1828  |
| 10-24     | 1     | 407-1808  | 1/4-20    | 2     | 407-1814  | 3/8-16    | 2     | 407-1821  | 1/2-13    | 4   | 407-1829  |
| 10-24     | 2     | 407-1809  |           |       |           |           |       |           |           |     |           |

### Metric Plain Steel

| Thd. Size | OAL | Order No. | Thd. Size | OAL | Order No. | Thd. Size | OAL | Order No. | Thd. Size | OAL | Order No. |
|-----------|-----|-----------|-----------|-----|-----------|-----------|-----|-----------|-----------|-----|-----------|
| M5x.8     | 16  | 407-1569  | M6x1      | 50  | 407-1590  | M12x1.75  | 30  | 407-1599  | M16x2     | 80  | 407-1577  |
| M5x0.8    | 20  | 407-1583  | M8x1.25   | 25  | 407-1591  | M12x1.75  | 40  | 407-1600  | M16x2     | 100 | 407-1602  |
| M5x0.8    | 25  | 407-1584  | M8x1.25   | 30  | 407-1592  | M12x1.75  | 50  | 407-1601  | M20x2.5   | 50  | 407-1578  |
| M5x0.8    | 30  | 407-1585  | M8x1.25   | 40  | 407-1593  | M12x1.75  | 60  | 407-1571  | M20x2.5   | 60  | 407-1579  |
| M6x1      | 16  | 407-1570  | M8x1.25   | 50  | 407-1594  | M12x1.75  | 70  | 407-1572  | M20x2.5   | 70  | 407-1580  |
| M6 x1     | 20  | 407-1586  | M10x1.5   | 30  | 407-1595  | M12x1.75  | 80  | 407-1573  | M20x2.5   | 80  | 407-1581  |
| M6x1      | 25  | 407-1587  | M10x1.5   | 40  | 407-1596  | M16x2     | 50  | 407-1574  | M20x2.5   | 100 | 407-1582  |
| M6x1      | 30  | 407-1588  | M10x1.5   | 50  | 407-1597  | M16x2     | 60  | 407-1575  |           |     |           |
| M6x1      | 40  | 407-1589  | M10x1.5   | 60  | 407-1598  | M16x2     | 70  | 407-1576  |           |     |           |

## Threaded Studs

### Brass

- Non-magnetic material offers good corrosion resistance, especially in salt air atmosphere
- Minimum tensile strength is 60,000 psi



| Thd. Size | OAL   | Order No. | Thd. Size | OAL   | Order No. | Thd. Size | OAL   | Order No. | Thd. Size | OAL   | Order No. |
|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|-----------|-------|-----------|
| 2-56      | 3/4"  | 407-1401  | 6-32      | 1     | 407-1424  | 10-24     | 3/4   | 407-1431  | 10-32     | 3     | 407-1411  |
| 2-56      | 1     | 407-1417  | 6-32      | 1-1/2 | 407-1425  | 10-24     | 1     | 407-1432  | 10-32     | 4     | 407-1412  |
| 2-56      | 1-1/2 | 407-1418  | 6-32      | 2     | 407-1426  | 10-24     | 1-1/2 | 407-1433  | 1/4-20    | 1     | 407-1441  |
| 2-56      | 2     | 407-1444  | 6-32      | 3     | 407-1404  | 10-24     | 2     | 407-1434  | 1/4-20    | 1-1/2 | 407-1442  |
| 4-40      | 1/2   | 407-1402  | 8-32      | 1/2   | 407-1405  | 10-24     | 2-1/2 | 407-1435  | 1/4-20    | 2     | 407-1443  |
| 4-40      | 3/4   | 407-1419  | 8-32      | 3/4   | 407-1427  | 10-24     | 3     | 407-1408  | 1/4-20    | 3     | 407-1440  |
| 4-40      | 1     | 407-1420  | 8-32      | 1     | 407-1428  | 10-32     | 1/2   | 407-1409  | 1/4-20    | 4     | 407-1413  |
| 4-40      | 1-1/2 | 407-1421  | 8-32      | 1-1/2 | 407-1429  | 10-32     | 3/4   | 407-1436  | 5/16-18   | 1-1/2 | 407-1414  |
| 4-40      | 2     | 407-1422  | 8-32      | 2     | 407-1430  | 10-32     | 1     | 407-1437  | 5/16-18   | 2     | 407-1415  |
| 6-32      | 1/2   | 407-1403  | 8-32      | 3     | 407-1406  | 10-32     | 1-1/2 | 407-1438  | 5/16-18   | 3     | 407-1416  |
| 6-32      | 3/4   | 407-1423  | 10-24     | 1/2   | 407-1407  | 10-32     | 2     | 407-1410  |           |       |           |

## Plain Clamps

Heat treated steel black oxide finished



| Bolt Size    | Length | Width | Thickness | Order No. |
|--------------|--------|-------|-----------|-----------|
| 5/16 or 3/8" | 2-1/2" | 1"    | 1/2"      | 410-7002  |
| 5/16 or 3/8" | 4      | 1     | 5/8       | 410-7004  |
| 5/16 or 3/8" | 6      | 1-1/8 | 3/4       | 410-7006  |
| 1/2          | 2-1/2  | 1-1/8 | 1/2       | 410-7008  |
| 1/2          | 4      | 1-1/4 | 3/4       | 410-7010  |
| 1/2          | 6      | 1-1/4 | 7/8       | 410-7012  |
| 5/8          | 2-1/2  | 1-1/4 | 5/8       | 410-7014  |
| 5/8          | 4      | 1-1/2 | 3/4       | 410-7016  |
| 5/8          | 6      | 1-1/2 | 7/8       | 410-7018  |
| 3/4          | 4      | 1-1/2 | 3/4       | 410-7020  |
| 3/4          | 6      | 1-1/2 | 1         | 410-7022  |
| 3/4          | 8      | 1-3/4 | 1-1/8     | 410-7024  |
| 1            | 6      | 2     | 1-1/4     | 410-7026  |
| 1            | 8      | 2     | 1-3/8     | 410-7028  |
| 1            | 10     | 2     | 1-1/2     | 410-7030  |

## Step Clamps

- Step clamp teeth are matched to fit any size step blocks.
- Heat treated steel black oxide finished.
- 1/2" & 5/8" bolt size clamps forged & hardened.



| Bolt Size    | Length | Width | Thickness | Order No. |
|--------------|--------|-------|-----------|-----------|
| 5/16 or 3/8" | 2-1/2" | 1"    | 1/2"      | 410-7702  |
| 5/16 or 3/8" | 4      | 1     | 5/8       | 410-7704  |
| 5/16 or 3/8" | 6      | 1-1/8 | 3/4       | 410-7706  |
| 1/2          | 2-1/2  | 1-1/8 | 1/2       | 410-7708  |
| 1/2          | 4      | 1-1/4 | 3/4       | 410-7710  |
| 1/2          | 6      | 1-1/4 | 7/8       | 410-7712  |
| 5/8          | 2-1/2  | 1-1/4 | 5/8       | 410-7714  |
| 5/8          | 4      | 1-1/2 | 3/4       | 410-7716  |
| 5/8          | 6      | 1-1/2 | 7/8       | 410-7718  |
| 3/4          | 4      | 1-1/2 | 3/4       | 410-7720  |
| 3/4          | 6      | 1-1/2 | 1         | 410-7722  |
| 3/4          | 8      | 1-3/4 | 1-1/8     | 410-7724  |
| 7/8 or 1     | 6      | 2     | 1-1/4     | 410-7726  |
| 7/8 or 1     | 8      | 2     | 1-3/8     | 410-7728  |
| 7/8 or 1     | 10     | 2     | 1-1/2     | 410-7730  |

## Step Blocks

- Solid in pairs only.
- Standard steel and powder casting.



### Standard, 1" Wide

| Capacity of Full Block | Height of 1/2 Block | Powder Casting Order No. | Steel Order No. |
|------------------------|---------------------|--------------------------|-----------------|
| 3/4 to 1-1/2"          | 1-1/8"              | 407-6110                 | 407-6010        |
| 1-1/8 to 2-1/2         | 1-3/4               | 407-6120                 | 407-6020        |
| 2-1/2 to 6             | 3-7/8               | 407-6130                 | 407-6030        |

### Heavy Duty, 1-1/2" Wide

| Capacity of Full Block | Height of 1/2 Block | Powder Casting Model No | Steel Order No. |
|------------------------|---------------------|-------------------------|-----------------|
| 1-1/2 to 3-3/4"        | 2-1/2"              | 407-6140                | 407-6040        |
| 2-1/2 to 6             | 3-7/8               | 407-6150                | 407-6050        |
| 3-1/2 to 9             | 5-1/2               | 407-6160                | 407-6060        |

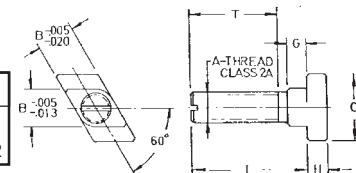
### Heavy Duty, 2" Wide

| Capacity of Full Block | Height of 1/2 Block | Powder Casting Order No | Steel Order No. |
|------------------------|---------------------|-------------------------|-----------------|
| 1-1/2 to 3-3/4"        | 2-1/2"              | 407-6170                | 407-6070        |
| 2-1/2 to 6             | 3-7/8               | 407-6180                | 407-6080        |
| 3-1/2 to 9             | 5-1/2               | 407-6190                | 407-6090        |

## Rotary T Slot Bolts

- The Rotary T-Slot Nut give convenienc to rotate the head in the T-Slot.
- Black Oxide finish.

| A Thread | B    | C     | G     | H     |
|----------|------|-------|-------|-------|
| 1/2-13   | 0.63 | 1-1/8 | 11/32 | 11/32 |
| 5/8-11   | 0.75 | 1-1/4 | 13/32 | 15/32 |



| Length Under Head (L) | Thread Length (T) | Thread 1/2"-13 Order No. | Thread 5/8"-11 Order No. |
|-----------------------|-------------------|--------------------------|--------------------------|
| 1.5"                  | 1.0"              | 407-3110                 | 407-3100                 |
| 2.0"                  | 1.5"              | 407-3111                 | 407-3101                 |
| 2.5"                  | 2.0"              | 407-3112                 | 407-3102                 |
| 3.0"                  | 2.5"              | 407-3113                 | 407-3103                 |
| 3.5"                  | 2.0"              | 407-3114                 | 407-3104                 |
| 4.0"                  | 2.5"              | 407-3115                 | 407-3105                 |
| 4.5"                  | 2.5"              | 407-3116                 |                          |
| 5.0"                  | 2.5"              | 407-3117                 | 407-3106                 |
| 6.0"                  | 4.5"              | 407-3118                 | 407-3107                 |

## T-Slot Bolts

Used for setting up work on planers, shapers, milling machines or similar applications.

Heads sized to fit in table slot giving more bearing surface.

- Hot forged from C-1045 steel
- Class 3A smooth cut threads
- Cannot twist or jam in slots
- Black oxide finish



| Thread  | L under | Head |              | Order No.       |
|---------|---------|------|--------------|-----------------|
| Size    | Head    | Slot | WxH          |                 |
| 3/8"-16 | 1"      | 3/8" | 11/16x3/16"  | <b>407-3200</b> |
| 3/8-16  | 1-1/4   | 3/8  | 11/16x3/16   | <b>407-3202</b> |
| 3/8-16  | 1-1/2   | 3/8  | 11/16x3/16   | <b>407-3204</b> |
| 3/8-16  | 1-3/4   | 3/8  | 11/16x3/16   | <b>407-3206</b> |
| 3/8-16  | 2       | 3/8  | 11/16x3/16   | <b>407-3208</b> |
| 3/8-16  | 2-1/4   | 3/8  | 11/16x3/16   | <b>407-3210</b> |
| 3/8-16  | 1-1/2   | 3/8  | 11/16x3/16   | <b>407-3212</b> |
| 3/8-16  | 2-3/4   | 3/8  | 11/16x3/16   | <b>407-3214</b> |
| 3/8-16  | 2       | 3/8  | 11/16x3/16   | <b>407-3216</b> |
| 3/8-16  | 3-1/2   | 3/8  | 11/16x3/16   | <b>407-3218</b> |
| 3/8-16  | 4       | 3/8  | 11/16x3/16   | <b>407-3220</b> |
| 3/8-16  | 4-1/2   | 3/8  | 11/16x3/16   | <b>407-3222</b> |
| 3/8-16  | 5       | 3/8  | 11/16x3/16   | <b>407-3224</b> |
| 3/8-16  | 5-1/2   | 3/8  | 11/16x3/16   | <b>407-3226</b> |
| 3/8-16  | 6       | 3/8  | 11/16x3/16   | <b>407-3228</b> |
| 3/8-16  | 7       | 3/8  | 11/16x3/16   | <b>407-3230</b> |
| 3/8-16  | 8       | 3/8  | 11/16x3/16   | <b>407-3232</b> |
| 3/8-16  | 9       | 3/8  | 11/16x3/16   | <b>407-3234</b> |
| 3/8-16  | 10      | 3/8  | 11/16x3/16   | <b>407-3236</b> |
| 3/8-16  | 12      | 3/8  | 11/16x3/16   | <b>407-3238</b> |
| 1/2-13  | 1-1/4   | 1/2  | 7/8x9/32     | <b>407-3240</b> |
| 1/2-13  | 1-1/2   | 1/2  | 7/8x9/32     | <b>407-3242</b> |
| 1/2-13  | 1-3/4   | 1/2  | 7/8x9/32     | <b>407-3244</b> |
| 1/2-13  | 2       | 1/2  | 7/8x9/32     | <b>407-3246</b> |
| 1/2-13  | 2-1/4   | 1/2  | 7/8x9/32     | <b>407-3248</b> |
| 1/2-13  | 2-1/2   | 1/2  | 7/8x9/32     | <b>407-3250</b> |
| 1/2-13  | 2-3/4   | 1/2  | 7/8x9/32     | <b>407-3252</b> |
| 1/2-13  | 3       | 1/2  | 7/8x9/32     | <b>407-3254</b> |
| 1/2-13  | 3-1/2   | 1/2  | 7/8x9/32     | <b>407-3256</b> |
| 1/2-13  | 4       | 1/2  | 7/8x9/32     | <b>407-3258</b> |
| 1/2-13  | 4-1/2   | 1/2  | 7/8x9/32     | <b>407-3260</b> |
| 1/2-13  | 5       | 1/2  | 7/8x9/32     | <b>407-3262</b> |
| 1/2-13  | 5-1/2   | 1/2  | 7/8x9/32     | <b>407-3264</b> |
| 1/2-13  | 6       | 1/2  | 7/8x9/32     | <b>407-3266</b> |
| 1/2-13  | 7       | 1/2  | 7/8x9/32     | <b>407-3268</b> |
| 1/2-13  | 8       | 1/2  | 7/8x9/32     | <b>407-3270</b> |
| 1/2-13  | 9       | 1/2  | 7/8x9/32     | <b>407-3272</b> |
| 1/2-13  | 10      | 1/2  | 7/8x9/32     | <b>407-3274</b> |
| 1/2-13  | 12      | 1/2  | 7/8x9/32     | <b>407-3276</b> |
| 1/2-13  | 14      | 1/2  | 7/8x9/32     | <b>407-3278</b> |
| 5/8-11  | 1-1/2   | 5/8  | 1-3/32x11/32 | <b>407-3280</b> |
| 5/8-11  | 2       | 5/8  | 1-3/32x11/32 | <b>407-3282</b> |
| 5/8-11  | 2-1/4   | 5/8  | 1-3/32x11/32 | <b>407-3284</b> |
| 5/8-11  | 2-1/2   | 5/8  | 1-3/32x11/32 | <b>407-3286</b> |
| 5/8-11  | 2-3/4   | 5/8  | 1-3/32x11/32 | <b>407-3288</b> |
| 5/8-11  | 3       | 5/8  | 1-3/32x11/32 | <b>407-3290</b> |
| 5/8-11  | 3-1/2   | 5/8  | 1-3/32x11/32 | <b>407-3292</b> |
| 5/8-11  | 4       | 5/8  | 1-3/32x11/32 | <b>407-3294</b> |

| Thread  | L under | Head |               | Order No.       |
|---------|---------|------|---------------|-----------------|
| Size    | Head    | Slot | WxH           |                 |
| 5/8"-11 | 4-1/2"  | 5/8" | 1-3/32x11/32" | <b>407-3296</b> |
| 5/8-11  | 5       | 5/8  | 1-3/32x11/32  | <b>407-3298</b> |
| 5/8-11  | 5-1/2   | 5/8  | 1-3/32x11/32  | <b>407-3300</b> |
| 5/8-11  | 6       | 5/8  | 1-3/32x11/32  | <b>407-3302</b> |
| 5/8-11  | 8       | 5/8  | 1-3/32x11/32  | <b>407-3304</b> |
| 5/8-11  | 9       | 5/8  | 1-3/32x11/32  | <b>407-3306</b> |
| 5/8-11  | 10      | 5/8  | 1-3/32x11/32  | <b>407-3308</b> |
| 5/8-11  | 12      | 5/8  | 1-3/32x11/32  | <b>407-3310</b> |
| 5/8-11  | 14      | 5/8  | 1-3/32x11/32  | <b>407-3312</b> |
| 5/8-11  | 16      | 5/8  | 1-3/32x11/32  | <b>407-3314</b> |
| 5/8-11  | 18      | 5/8  | 1-3/32x11/32  | <b>407-3316</b> |
| 5/8-11  | 20      | 5/8  | 1-3/32x11/32  | <b>407-3318</b> |
| 5/8-11  | 24      | 5/8  | 1-3/32x11/32  | <b>407-3320</b> |
| 5/8-11  | 30      | 5/8  | 1-3/32x11/32  | <b>407-3322</b> |
| 3/4-10  | 2       | 3/4  | 1-1/4x7/16    | <b>407-3324</b> |
| 3/4-10  | 2-1/2   | 3/4  | 1-1/4x7/16    | <b>407-3326</b> |
| 3/4-10  | 3       | 3/4  | 1-1/4x7/16    | <b>407-3328</b> |
| 3/4-10  | 3-1/2   | 3/4  | 1-1/4x7/16    | <b>407-3330</b> |
| 3/4-10  | 4       | 3/4  | 1-1/4x7/16    | <b>407-3332</b> |
| 3/4-10  | 4-1/2   | 3/4  | 1-1/4x7/16    | <b>407-3334</b> |
| 3/4-10  | 5       | 3/4  | 1-1/4x7/16    | <b>407-3336</b> |
| 3/4-10  | 5-1/2   | 3/4  | 1-1/4x7/16    | <b>407-3338</b> |
| 3/4-10  | 6       | 3/4  | 1-1/4x7/16    | <b>407-3340</b> |
| 3/4-10  | 7       | 3/4  | 1-1/4x7/16    | <b>407-3342</b> |
| 3/4-10  | 8       | 3/4  | 1-1/4x7/16    | <b>407-3344</b> |
| 3/4-10  | 9       | 3/4  | 1-1/4x7/16    | <b>407-3346</b> |
| 3/4-10  | 10      | 3/4  | 1-1/4x7/16    | <b>407-3348</b> |
| 3/4-10  | 12      | 3/4  | 1-1/4x7/16    | <b>407-3350</b> |
| 3/4-10  | 14      | 3/4  | 1-1/4x7/16    | <b>407-3352</b> |
| 3/4-10  | 16      | 3/4  | 1-1/4x7/16    | <b>407-3354</b> |
| 3/4-10  | 18      | 3/4  | 1-1/4x7/16    | <b>407-3356</b> |
| 3/4-10  | 20      | 3/4  | 1-1/4x7/16    | <b>407-3358</b> |
| 3/4-10  | 24      | 3/4  | 1-1/4x7/16    | <b>407-3360</b> |
| 3/4-10  | 2-1/2   | 7/8  | 1-1/2x9/16    | <b>407-3362</b> |
| 3/4-10  | 3       | 7/8  | 1-1/2x9/16    | <b>407-3364</b> |
| 3/4-10  | 3-1/2   | 7/8  | 1-1/2x9/16    | <b>407-3366</b> |
| 3/4-10  | 4       | 7/8  | 1-1/2x9/16    | <b>407-3368</b> |
| 3/4-10  | 4-1/2   | 7/8  | 1-1/2x9/16    | <b>407-3370</b> |
| 3/4-10  | 5       | 7/8  | 1-1/2x9/16    | <b>407-3372</b> |
| 3/4-10  | 5-1/2   | 7/8  | 1-1/2x9/16    | <b>407-3374</b> |
| 3/4-10  | 6       | 7/8  | 1-1/2x9/16    | <b>407-3376</b> |
| 3/4-10  | 7       | 7/8  | 1-1/2x9/16    | <b>407-3378</b> |
| 3/4-10  | 8       | 7/8  | 1-1/2x9/16    | <b>407-3380</b> |
| 3/4-10  | 9       | 7/8  | 1-1/2x9/16    | <b>407-3382</b> |
| 3/4-10  | 10      | 7/8  | 1-1/2x9/16    | <b>407-3384</b> |
| 3/4-10  | 12      | 7/8  | 1-1/2x9/16    | <b>407-3386</b> |
| 3/4-10  | 14      | 7/8  | 1-1/2x9/16    | <b>407-3388</b> |
| 3/4-10  | 16      | 7/8  | 1-1/2x9/16    | <b>407-3390</b> |

| Thread  | L under | Head |             | Order No.       |
|---------|---------|------|-------------|-----------------|
| Size    | Head    | Slot | WxH         |                 |
| 3/4"-10 | 18"     | 7/8" | 1-1/2x9/16" | <b>407-3392</b> |
| 3/4-10  | 20      | 7/8  | 1-1/2x9/16  | <b>407-3394</b> |
| 3/4-10  | 24      | 7/8  | 1-1/2x9/16  | <b>407-3396</b> |
| 3/4-10  | 30      | 7/8  | 1-1/2x9/16  | <b>407-3398</b> |
| 7/8-9   | 3       | 7/8  | 1-1/2x9/16  | <b>407-3400</b> |
| 7/8-9   | 4       | 7/8  | 1-1/2x9/16  | <b>407-3402</b> |
| 7/8-9   | 5       | 7/8  | 1-1/2x9/16  | <b>407-3404</b> |
| 7/8-9   | 6       | 7/8  | 1-1/2x9/16  | <b>407-3406</b> |
| 7/8-9   | 7       | 7/8  | 1-1/2x9/16  | <b>407-3408</b> |
| 7/8-9   | 8       | 7/8  | 1-1/2x9/16  | <b>407-3410</b> |
| 7/8-9   | 9       | 7/8  | 1-1/2x9/16  | <b>407-3412</b> |
| 7/8-9   | 10      | 7/8  | 1-1/2x9/16  | <b>407-3414</b> |
| 7/8-9   | 12      | 7/8  | 1-1/2x9/16  | <b>407-3416</b> |
| 7/8-9   | 14      | 7/8  | 1-1/2x9/16  | <b>407-3418</b> |
| 7/8-9   | 16      | 7/8  | 1-1/2x9/16  | <b>407-3420</b> |
| 7/8-9   | 18      | 7/8  | 1-1/2x9/16  | <b>407-3422</b> |
| 7/8-9   | 20      | 7/8  | 1-1/2x9/16  | <b>407-3424</b> |
| 7/8-9   | 24      | 7/8  | 1-1/2x9/16  | <b>407-3426</b> |
| 7/8-9   | 30      | 7/8  | 1-1/2x9/16  | <b>407-3428</b> |
| 7/8-9   | 3       | 1    | 1-3/4x5/8   | <b>407-3430</b> |
| 7/8-9   | 4       | 1    | 1-3/4x5/8   | <b>407-3432</b> |
| 7/8-9   | 5       | 1    | 1-3/4x5/8   | <b>407-3434</b> |
| 7/8-9   | 6       | 1    | 1-3/4x5/8   | <b>407-3436</b> |
| 7/8-9   | 7       | 1    | 1-3/4x5/8   | <b>407-3438</b> |
| 7/8-9   | 8       | 1    | 1-3/4x5/8   | <b>407-3440</b> |
| 7/8-9   | 9       | 1    | 1-3/4x5/8   | <b>407-3442</b> |
| 7/8-9   | 10      | 1    | 1-3/4x5/8   | <b>407-3444</b> |
| 7/8-9   | 12      | 1    | 1-3/4x5/8   | <b>407-3446</b> |
| 7/8-9   | 14      | 1    | 1-3/4x5/8   | <b>407-3448</b> |
| 7/8-9   | 16      | 1    | 1-3/4x5/8   | <b>407-3450</b> |
| 7/8-9   | 18      | 1    | 1-3/4x5/8   | <b>407-3452</b> |
| 7/8-9   | 20      | 1    | 1-3/4x5/8   | <b>407-3454</b> |
| 7/8-9   | 24      | 1    | 1-3/4x5/8   | <b>407-3456</b> |
| 7/8-9   | 30      | 1    | 1-3/4x5/8   | <b>407-3458</b> |
| 1-8     | 3       | 1    | 1-3/4x5/8   | <b>407-3460</b> |
| 1-8     | 4       | 1    | 1-3/4x5/8   | <b>407-3462</b> |
| 1-8     | 5       | 1    | 1-3/4x5/8   | <b>407-3464</b> |
| 1-8     | 6       | 1    | 1-3/4x5/8   | <b>407-3466</b> |
| 1-8     | 7       | 1    | 1-3/4x5/8   | <b>407-3468</b> |
| 1-8     | 8       | 1    | 1-3/4x5/8   | <b>407-3470</b> |
| 1-8     | 9       | 1    | 1-3/4x5/8   | <b>407-3472</b> |
| 1-8     | 10      | 1    | 1-3/4x5/8   | <b>407-3474</b> |
| 1-8     | 12      | 1    | 1-3/4x5/8   | <b>407-3476</b> |
| 1-8     | 14      | 1    | 1-3/4x5/8   | <b>407-3478</b> |
| 1-8     | 16      | 1    | 1-3/4x5/8   | <b>407-3480</b> |
| 1-8     | 18      | 1    | 1-3/4x5/8   | <b>407-3482</b> |
| 1-8     | 20      | 1    | 1-3/4x5/8   | <b>407-3484</b> |
| 1-8     | 24      | 1    | 1-3/4x5/8   | <b>407-3486</b> |

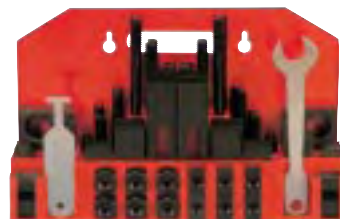
## Metric Clamping Tools & Kits

### Each set contains:

- 6 T-slot nuts.
- 6 flange nuts.
- 4 coupling nuts.
- 6 step blocks.
- 6 serrated end clamps.
- 24 studs, 4 each: 76, 102, 127, 152, 178 & 203mm long.

\* This item have two free parts:

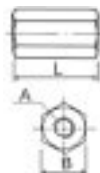
- 1 T slot cleaner.
- 1 nut wrench.



### 58Pcs Metric Clamping Kits

| Size | Order No. |
|------|-----------|
| M10  | 400-3010  |
| M12  | 400-3012* |
| M14  | 400-3014  |
| M16  | 400-3016  |

### Coupling Nuts



| A   | L  | B  | Order No. |
|-----|----|----|-----------|
| M10 | 30 | 16 | 407-4110  |
| M12 | 36 | 18 | 407-4112  |
| M14 | 42 | 21 | 407-4114  |
| M16 | 48 | 24 | 407-4116  |

### Double End Bolts



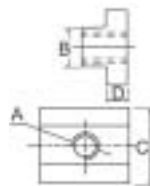
| A   | L   | I  | Order No. | A   | L   | I  | Order No. |
|-----|-----|----|-----------|-----|-----|----|-----------|
| M10 | 76  | 28 | 407-8005  | M14 | 76  | 28 | 407-8065  |
| M10 | 102 | 32 | 407-8010  | M14 | 102 | 38 | 407-8070  |
| M10 | 127 | 32 | 407-8015  | M14 | 127 | 38 | 407-8075  |
| M10 | 152 | 32 | 407-8020  | M14 | 152 | 38 | 407-8080  |
| M10 | 178 | 32 | 407-8025  | M14 | 178 | 38 | 407-8085  |
| M10 | 203 | 32 | 407-8030  | M14 | 203 | 38 | 407-8090  |
| M12 | 76  | 28 | 407-8035  | M16 | 76  | 28 | 407-8095  |
| M12 | 102 | 38 | 407-8040  | M16 | 102 | 45 | 407-8100  |
| M12 | 127 | 38 | 407-8045  | M16 | 127 | 45 | 407-8105  |
| M12 | 152 | 38 | 407-8050  | M16 | 152 | 45 | 407-8110  |
| M12 | 178 | 38 | 407-8055  | M16 | 178 | 45 | 407-8115  |
| M12 | 203 | 38 | 407-8060  | M16 | 203 | 45 | 407-8120  |

### Flanged Nuts



| A   | L  | B  | Order No. |
|-----|----|----|-----------|
| M10 | 12 | 17 | 407-5010  |
| M12 | 17 | 19 | 407-5012  |
| M14 | 17 | 19 | 407-5014  |
| M16 | 20 | 24 | 407-5016  |

### T-Slot Nuts



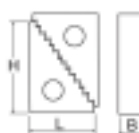
| A   | B     | C  | D   | Order No. |
|-----|-------|----|-----|-----------|
| M10 | 11.70 | 18 | 7.1 | 407-2310  |
| M12 | 13.70 | 22 | 8   | 407-2312  |
| M14 | 15.70 | 25 | 8   | 407-2314  |
| M16 | 17.70 | 28 | 11  | 407-2316  |

### Step Clamps



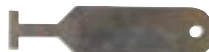
| For Bolt | L     | B  | H  | Order No. |
|----------|-------|----|----|-----------|
| M10      | 63.5  | 25 | 12 | 407-8205  |
| M10      | 101.6 | 25 | 15 | 407-8210  |
| M10      | 152.4 | 28 | 19 | 407-8215  |
| M12      | 63.5  | 28 | 12 | 407-8220  |
| M12      | 101.6 | 31 | 19 | 407-8225  |
| M12      | 152.4 | 31 | 22 | 407-8230  |
| M14      | 63.5  | 28 | 12 | 407-8235  |
| M14      | 101.6 | 31 | 19 | 407-8240  |
| M14      | 152.4 | 31 | 22 | 407-8245  |
| M16      | 101.6 | 38 | 19 | 407-8250  |
| M16      | 152.4 | 38 | 22 | 407-8255  |

### Step Blocks



| L     | H     | B  | Order No. |
|-------|-------|----|-----------|
| 19.05 | 27.30 | 25 | 407-6210  |
| 26.99 | 39.60 | 25 | 407-6220  |
| 63.50 | 96.00 | 25 | 407-6230  |
| 50.80 | 77.30 | 27 | 407-6240  |
| 76.20 | 115   | 27 | 407-6250  |

### T-Slot Cleaner

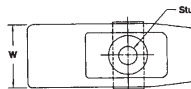
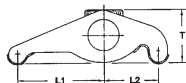


A must for every machine shop

Order No. 400-0000

## Adjusta Clamps

- Instant height adjustment without blocks or shims.
- One piece assembly allows quick setups and eliminates lost clamp pieces.
- Attachable brass shims protect machine table and workpiece.
- Swing clamp 90. in either direction for loading clearance.



### Clamp Body and Assembly

include one each of

Adjusta Clamp  
Flat Washer, Spring,  
Flange Nut, T-Slot Bolt

| Clamping |               |         |         |         |        | Body Only | Clamp Body and Assembly |           |
|----------|---------------|---------|---------|---------|--------|-----------|-------------------------|-----------|
| Studs    | Range         | L1      | L2      | T       | W      | Order No. | T Slot Bolt             | Order No. |
| 3/8"     | Up to 1-3/4"  | 1-7/8"  | 1-1/8"  | 1"      | 1-1/4" | 400-8050  | 3/8"-16x3"              | 400-8051  |
| 1/2      | Up to 2-1/16" | 2-5/16" | 1-7/16" | 1-7/16" | 1-5/8" | 400-8052  | 1/2"-13x4"              | 400-8053  |
| 5/8      | Up to 3"      | 3-1/4"  | 2"      | 1-7/8"  | 1-7/8" | 400-8054  | 5/8"-11x5"              | 400-8055  |
| 3/4      | Up to 4-1/4"  | 3-1/2"  | 2-1/8"  | 2-1/4"  | 2-5/8" | 400-8056  | 3/4"-10x6"              | 400-8057  |