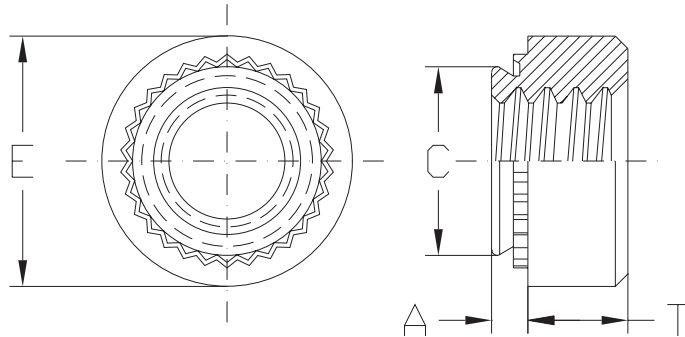
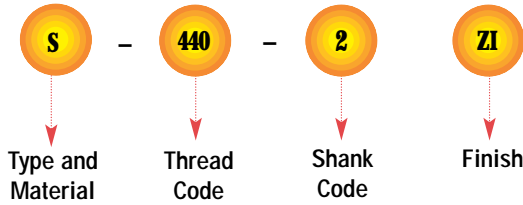




STEEL AND STAINLESS NUTS (Unified) – TYPES EDM-S, EDM-SS, EDM-CLS, and EDM-CLSS

Product Code EDM-01
Part Number Designation



| Thread Size | Type | | Thread Code | Shank Code | A (Shank) Max. | Min. Sheet Thickness | Hole Size In Sheet +.003 -.000 | C Max. | E ±.010 | T ±.010 | Min. Dist. Hole C/L To Edge(1) |
|-------------------|--------------|-----------------|-------------|------------|----------------|----------------------|--------------------------------|--------|---------|---------|--------------------------------|
| | Carbon Steel | Stainless Steel | | | | | | | | | |
| .086-56 (#2-56) | S | CLS | 256 | 0 | .030 | .030 | .166 | .165 | .25 | .07 | .19 |
| | | | | 1 | .038 | .040 | | | | | |
| | | | | 2 | .054 | .056 | | | | | |
| .099-48 (#3-48) | S | CLS | 348 | 0 | .030 | .030 | .166 | .165 | .25 | .07 | .19 |
| | | | | 1 | .038 | .040 | | | | | |
| | | | | 2 | .054 | .056 | | | | | |
| .112-40 (#4-40) | S | CLS | 440 | 0 | .030 | .030 | .166 | .165 | .25 | .07 | .19 |
| | | | | 1 | .038 | .040 | | | | | |
| | | | | 2 | .054 | .056 | | | | | |
| | | | | 3 | .087 | .091 | | | | | |
| .138-32 (#6-32) | S | CLS | 632 | 0 | .030 | .030 | .188 | .187 | .28 | .07 | .22 |
| | | | | 1 | .038 | .040 | | | | | |
| | | | | 2 | .054 | .056 | | | | | |
| | | | | 3 | .087 | .091 | | | | | |
| .164-32 (#8-32) | S | CLS | 832 | 0 | .030 | .030 | .213 | .212 | .31 | .09 | .27 |
| | | | | 1 | .038 | .040 | | | | | |
| | | | | 2 | .054 | .056 | | | | | |
| | | | | 3 | .087 | .091 | | | | | |
| .190-24 (#10-24) | SS | CLS | 024 | 0 | .030 | .030 | .250 | .249 | .34 | .09 | .28 |
| | | | | 1 | .038 | .040 | | | | | |
| | | | | 2 | .054 | .056 | | | | | |
| | | | | 3 | .087 | .091 | | | | | |
| .190-32 (#10-32) | SS | CLSS | 032 | 0 | .030 | .030 | .250 | .249 | .34 | .09 | .28 |
| | | | | 1 | .038 | .040 | | | | | |
| | | | | 2 | .054 | .056 | | | | | |
| | | | | 3 | .087 | .091 | | | | | |
| .216-24 (#12-24) | S | CLS | 1224 | 1 | .038 | .040 | .277 | .276 | .38 | .13 | .31 |
| | | | | 2 | .054 | .056 | | | | | |
| | | | | 3 | .087 | .091 | | | | | |
| .250-20 (1/4-20) | S | CLS | 0420 | 0 | .045 | .047 | .344 | .343 | .44 | .17 | .34 |
| | | | | 1 | .054 | .056 | | | | | |
| | | | | 2 | .087 | .091 | | | | | |
| | | | | 3 | .120 | .125 | | | | | |
| .250-28 (1/4-28) | S | CLS | 0428 | 1 | .054 | .056 | .344 | .343 | .44 | .17 | .34 |
| | | | | 2 | .087 | .091 | | | | | |
| | | | | 3 | .120 | .125 | | | | | |
| .313-18 (5/16-18) | S | CLS | 0518 | 1 | .054 | .056 | .413 | .412 | .50 | .23 | .38 |
| | | | | 2 | .087 | .091 | | | | | |
| | | | | 3 | .120 | .125 | | | | | |
| .313-24 (5/16-24) | S | CLS | 0524 | 1 | .054 | .056 | .413 | .412 | .50 | .23 | .38 |
| | | | | 2 | .087 | .091 | | | | | |
| | | | | 3 | .120 | .125 | | | | | |
| .375-16 (3/8-16) | S | CLS | 0616 | 1 | .087 | .091 | .500 | .499 | .56 | .27 | .44 |
| | | | | 2 | .120 | .125 | | | | | |
| | | | | 3 | .235 | .250 | | | | | |
| .375-24 (3/8-24) | S | CLS | 0626 | 1 | .087 | .091 | .500 | .499 | .56 | .27 | .44 |
| | | | | 2 | .120 | .125 | | | | | |
| | | | | 3 | .235 | .250 | | | | | |
| .500-13 (1/2-13) | S | CLS | 0813 | 1 | .120 | .125 | .656 | .655 | .81 | .36 | .63 |
| | | | | 2 | .235 | .250 | | | | | |
| .500-20 (1/2-20) | S | CLS | 0820 | 1 | .120 | .125 | .656 | .655 | .81 | .36 | .63 |
| | | | | 2 | .235 | .250 | | | | | |

(1) For closer distances consult our Engineering Department.



STEEL AND STAINLESS NUTS (METRIC) – TYPES EDM-S, EDM-SS, EDM-CLS, and EDM-CLSS

| METRIC (mm) | Thread Size x Pitch | Type | | Thread Code | Shank Code | A (Shank) Max. | Min. Sheet Thickness | Hole Size In Sheet +0.08 | C Max. | E ±0.25 | T ±0.25 | Min. Dist. Hole C/L To Edge(1) |
|-------------|---------------------|--------------|-----------------|-------------|------------|----------------|----------------------|--------------------------|--------|---------|---------|--------------------------------|
| | | Carbon Steel | Stainless Steel | | | | | | | | | |
| | M2 x0.4 | S | CLS | M2 | 0 | 0.76 | 0.8-1 | 4.25 | 4.22 | 6.35 | 1.5 | 4.8 |
| | | | | | 1 | 0.97 | 1 | | | | | |
| | | | | | 2 | 1.37 | 1.4 | | | | | |
| | M2.5 x0.45 | S | CLS | M2.5 | 0 | 0.76 | 0.8-1 | 4.25 | 4.22 | 6.35 | 1.5 | 4.8 |
| | | | | | 1 | 0.97 | 1 | | | | | |
| | | | | | 2 | 1.37 | 1.4 | | | | | |
| | M3 x0.5 | S | CLS | M3 | 0 | 0.76 | 0.8-1 | 4.25 | 4.22 | 6.35 | 1.5 | 4.8 |
| | | | | | 1 | 0.97 | 1 | | | | | |
| | | | | | 2 | 1.37 | 1.4 | | | | | |
| | M3.5 x0.6 | S | CLS | M3.5 | 0 | 0.76 | 0.8-1 | 4.75 | 4.73 | 7 | 1.5 | 5.6 |
| | | | | | 1 | 0.97 | 1 | | | | | |
| | | | | | 2 | 1.37 | 1.4 | | | | | |
| | M4 x0.7 | S | CLS | M4 | 0 | 0.76 | 0.8-1 | 5.4 | 5.38 | 8 | 2 | 6.9 |
| | | | | | 1 | 0.97 | 1 | | | | | |
| | | | | | 2 | 1.37 | 1.4 | | | | | |
| | M5 x0.8 | SS | CLSS | M5 | 0 | 0.76 | 0.8-1 | 6.4 | 6.38 | 8.7 | 2 | 7.1 |
| | | | | | 1 | 0.97 | 1 | | | | | |
| | | | | | 2 | 1.37 | 1.4 | | | | | |
| M6 x1 | S | CLS | M6 | 0 | 1.15 | 1.2 | 8.75 | 8.72 | 11 | 4.08 | 8.6 | |
| | | | | 1 | 1.38 | 1.4 | | | | | | |
| | | | | 2 | 2.21 | 2.3 | | | | | | |
| M8 x1.25 | S | CLS | M8 | 1 | 1.37 | 1.4 | 10.5 | 10.47 | 12.7 | 5.47 | 9.7 | |
| | | | | 2 | 2.21 | 2.3 | | | | | | |
| | | | | 1 | 2.21 | 2.31 | | | | | | |
| M10 x1.5 | S | CLS | M10 | 1 | 2.21 | 2.31 | 14 | 13.97 | 17.50 | 7.48 | 13.5 | |
| | | | | 2 | 3.05 | 3.18 | | | | | | |

(1) Installation, pushout and torque-out values reported are averages when all installation specifications and procedures are followed. Variations in mounting hole size, sheet material and installation procedure will affect this data. Performance testing of this product in your application is recommended. We will be happy to provide provide samples for this purpose.

MATERIAL & FINISH SPECIFICATIONS

| Material | Code |
|------------------------------------|----------|
| Carbon Steel (Post Heat Treatment) | S/SS |
| 300 Series Stainless Steel | CLS/CLSS |

| Finishes | Code |
|----------|------|
| Zinc | ZI |

** Types Of Zinc Plate

- Blue Zinc
- Clear Zinc
- Rainbow Zinc

1. Specifications subject of change without notice.
2. Available On Custom Make Specification.

INSTALLATION

Types EDM-S, EDM-SS, EDM-CLS, EDM-CLSS

1. Punch or drill properly sized mounting hole in sheet. Do not perform any secondary operations such as deburring.
2. Place fastener into the anvil hole and place the mounting hole over the shank of the fastener as shown in diagram to the right.
3. With punch and anvil surfaces parallel, apply squeezing force until the head of the nut comes into contact with the sheet material.

