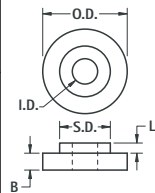
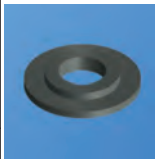


## FIBRE SHOULDER WASHERS

**MATERIAL:** Fibre, Commercial Grade per ASTM D710

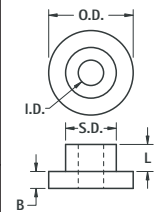
| CAT. NO. | L          | O.D.        | B           | I.D.       | S.D.        | SCREW SIZE |
|----------|------------|-------------|-------------|------------|-------------|------------|
| 3229     | .025 (.64) | .250 (6.4)  | .047 (1.2)  | .093 (2.4) | .123 (3.1)  | #2         |
| 3061     | .025 (.64) | .250 (6.4)  | .047 (1.2)  | .093 (2.4) | .156 (4.0)  |            |
| 344      | .015 (.38) | .312 (7.9)  | .062 (1.57) | .125 (3.2) | .203 (5.2)  | #4         |
| 343      | .025 (.64) | .312 (7.9)  | .062 (1.57) | .125 (3.2) | .203 (5.2)  |            |
| 3062     | .031 (.79) | .250 (6.4)  | .031 (.79)  | .115 (2.9) | .187 (4.7)  |            |
| 3230     | .031 (.79) | .281 (7.1)  | .062 (1.57) | .115 (2.9) | .175 (4.4)  |            |
| 3231     | .031 (.79) | .312 (7.9)  | .062 (1.57) | .120 (3.1) | .180 (4.6)  | #6         |
| 4698     | .031 (.79) | .250 (6.4)  | .062 (1.57) | .140 (3.6) | .187 (4.7)  |            |
| 3064     | .031 (.79) | .312 (7.9)  | .062 (1.57) | .140 (3.6) | .187 (4.7)  |            |
| 3232     | .031 (.79) | .375 (9.5)  | .062 (1.57) | .140 (3.6) | .210 (5.3)  |            |
| 3233     | .031 (.79) | .375 (9.5)  | .062 (1.57) | .140 (3.6) | .240 (6.1)  |            |
| 3234     | .031 (.79) | .500 (12.7) | .062 (1.57) | .140 (3.6) | .240 (6.1)  |            |
| 3065     | .031 (.79) | .375 (9.5)  | .062 (1.57) | .170 (4.3) | .246 (6.2)  | #8         |
| 3066     | .031 (.79) | .417 (10.6) | .062 (1.57) | .170 (4.3) | .210 (5.3)  |            |
| 3235     | .031 (.79) | .312 (7.9)  | .062 (1.57) | .170 (4.3) | .218 (5.5)  |            |
| 3236     | .031 (.79) | .375 (9.5)  | .062 (1.57) | .170 (4.3) | .215 (5.5)  |            |
| 3237     | .031 (.79) | .500 (12.7) | .062 (1.57) | .170 (4.3) | .240 (6.1)  |            |
| 4702     | .031 (.79) | .375 (9.5)  | .062 (1.57) | .194 (4.9) | .308 (7.8)  |            |
| 3238     | .031 (.79) | .375 (9.5)  | .062 (1.57) | .194 (4.9) | .240 (6.1)  | #10        |
| 3239     | .031 (.79) | .500 (12.7) | .062 (1.57) | .196 (5.0) | .240 (6.1)  |            |
| 4711     | .031 (.79) | .500 (12.7) | .062 (1.57) | .253 (6.4) | .308 (7.8)  | .250-20    |
| 3240     | .031 (.79) | .625 (15.9) | .062 (1.57) | .265 (6.7) | .359 (9.1)  |            |
| 3069     | .031 (.79) | .625 (15.9) | .062 (1.57) | .385 (9.8) | .498 (12.6) | .375-24    |
| 3241     | .031 (.79) | .750 (19.1) | .062 (1.57) | .385 (9.8) | .498 (12.6) |            |



## NYLON SHOULDER WASHER/BUSHINGS

**MATERIAL:** Nylon 6/6 per ASTM D4066

| CAT. NO. | L           | O.D.        | B           | I.D.       | S.D.       | SCREW SIZE |
|----------|-------------|-------------|-------------|------------|------------|------------|
| 7680     | .025 (.64)  | .260 (6.6)  | .030 (.76)  | .095 (2.4) | .154 (3.9) | #2         |
| 3051     | .125 (3.2)  | .181 (4.6)  | .047 (1.2)  | .090 (2.3) | .120 (3.1) |            |
| 3101     | .187 (4.8)  | .181 (4.6)  | .047 (1.2)  | .090 (2.3) | .120 (3.1) |            |
| 3052     | .250 (6.4)  | .181 (4.6)  | .047 (1.2)  | .090 (2.3) | .120 (3.1) |            |
| 3049     | .031 (.79)  | .218 (5.5)  | .040 (1.0)  | .115 (2.9) | .135 (3.4) | #4         |
| 7681     | .047 (1.2)  | .250 (6.4)  | .032 (.81)  | .115 (2.9) | .185 (4.7) |            |
| 3053     | .093 (2.4)  | .235 (6.0)  | .047 (1.2)  | .115 (2.9) | .145 (3.7) |            |
| 3102     | .125 (3.2)  | .235 (6.0)  | .047 (1.2)  | .115 (2.9) | .145 (3.7) |            |
| 3103     | .187 (4.7)  | .235 (6.0)  | .047 (1.2)  | .115 (2.9) | .145 (3.7) |            |
| 340      | .250 (6.4)  | .235 (6.0)  | .047 (1.2)  | .115 (2.9) | .145 (3.7) |            |
| 7682     | .032 (.81)  | .385 (9.8)  | .062 (1.57) | .145 (3.7) | .240 (6.1) | #6         |
| 7683     | .032 (.81)  | .250 (6.4)  | .062 (1.57) | .140 (3.6) | .187 (4.7) |            |
| 7684     | .032 (.81)  | .312 (7.9)  | .062 (1.57) | .140 (3.6) | .187 (4.7) |            |
| 3054     | .125 (3.2)  | .290 (7.4)  | .047 (1.19) | .140 (3.6) | .170 (4.3) |            |
| 3104     | .187 (4.7)  | .290 (7.4)  | .047 (1.19) | .140 (3.6) | .170 (4.3) |            |
| 341      | .250 (6.4)  | .290 (7.4)  | .047 (1.19) | .140 (3.6) | .170 (4.3) |            |
| 3055     | .500 (12.7) | .290 (7.4)  | .047 (1.19) | .140 (3.6) | .170 (4.3) | #8         |
| 7685     | .032 (.81)  | .375 (9.5)  | .032 (.81)  | .171 (4.3) | .250 (6.4) |            |
| 3056     | .140 (3.6)  | .344 (8.7)  | .062 (1.57) | .171 (4.3) | .205 (5.2) |            |
| 3105     | .250 (6.4)  | .344 (8.7)  | .062 (1.57) | .171 (4.3) | .205 (5.2) |            |
| 342      | .375 (9.5)  | .344 (8.7)  | .062 (1.57) | .171 (4.3) | .205 (5.2) |            |
| 3106     | .500 (12.7) | .344 (8.7)  | .062 (1.57) | .171 (4.3) | .205 (5.2) |            |
| 7686     | .032 (.81)  | .375 (9.5)  | .062 (1.57) | .196 (5.0) | .308 (7.8) | #10        |
| 3107     | .093 (2.36) | .438 (11.1) | .062 (1.57) | .200 (5.1) | .260 (6.6) |            |
| 3108     | .250 (6.4)  | .399 (10.1) | .062 (1.57) | .200 (5.1) | .260 (6.6) |            |
| 3057     | .500 (12.7) | .399 (10.1) | .062 (1.57) | .200 (5.1) | .260 (6.6) |            |
| 3058     | .750 (19.1) | .399 (10.1) | .062 (1.57) | .200 (5.1) | .260 (6.6) |            |
| 7687     | .032 (.81)  | .437 (11.1) | .032 (.81)  | .253 (6.4) | .310 (7.9) |            |
| 7688     | .078 (1.98) | .492 (12.7) | .032 (.81)  | .260 (6.7) | .312 (7.9) |            |
| 3059     | .187 (4.7)  | .513 (13.0) | .062 (1.57) | .260 (6.7) | .312 (7.9) |            |
| 3109     | .250 (6.4)  | .513 (13.0) | .062 (1.57) | .260 (6.7) | .312 (7.9) |            |
| 3110     | .375 (9.5)  | .513 (13.0) | .062 (1.57) | .260 (6.7) | .312 (7.9) |            |
| 3060     | .500 (12.7) | .513 (13.0) | .062 (1.57) | .260 (6.7) | .312 (7.9) |            |



## HEX MACHINE NUTS

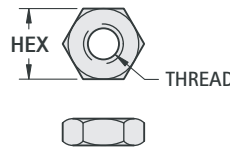


**MATERIAL:** Nylon 6/6 (RoHS Compliant)

Steel, Zinc Plate (Non-RoHS Compliant)

Note: RoHS Compliant finishes available on special order

| STEEL CAT. NO. | NYLON CAT. NO. | HEX         | THREAD  |
|----------------|----------------|-------------|---------|
| 4694           | —              | .187 (4.7)  | 4-40    |
| 9600           | 9605           | .250 (6.4)  |         |
| 4701           | —              | .250 (6.4)  | 6-32    |
| 9602           | 9606           | .312 (7.9)  |         |
| 9603           | —              | .250 (6.4)  | 8-32    |
| 9604           | 9607           | .312 (7.9)  |         |
| 4705           | 9608           | .375 (9.5)  | 10-32   |
| 4713           | —              | .430 (10.9) | .250-28 |
| 4716           | —              | .500 (12.7) | .312-24 |



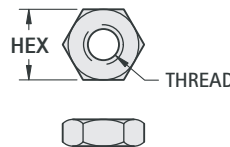
## METRIC MACHINE NUTS



**MATERIAL:** Nylon 6/6 UL Rated 94V-2

Steel, Nickel Plate

| STEEL CAT. NO. | NYLON CAT. NO. | HEX     | THREAD |
|----------------|----------------|---------|--------|
| 4707           | 4687           | 5.00 mm | M2.5   |
| 4708           | 4688           | 5.50 mm | M3     |
| 4709           | 4689           | 7.00 mm | M4     |

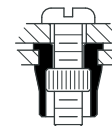
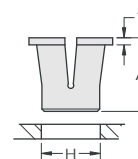


## BLIND CAPTIVE NUTS - PRESS FIT

**MOUNT CHASSIS, PANELS, HEAT SINKS, SOCKETS**

- Easy Assembly • Dampens Vibration
- Eliminates Insulating Washer • Hi-Dielectric Strength

A unique reusable fastener made of NYLON which contains a threaded brass nut. Finger pressure or light tap seals it in a pre-drilled hole. The nut is drawn up causing a Nylon bulge behind the workpiece. Screw may be removed or replaced.



Shown Installed (Screw not supplied)

**MATERIAL:** Molded Nylon with Brass threaded insert

| CAT. NO. | THREAD | H HOLE SIZE REQ'D. | IDEAL SHEET THICKNESS | A           | T          |
|----------|--------|--------------------|-----------------------|-------------|------------|
| 4341     | 4-40   | .250 (6.4)         | .047 (1.2)            | .312 (7.9)  | .030 (.76) |
| 4342     | 6-32   | .312 (7.9)         | .078 (1.9)            | .375 (9.5)  | .030 (.76) |
| 4343     | 8-32   | .406 (10.3)        | .093 (2.4)            | .500 (12.7) | .030 (.76) |

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