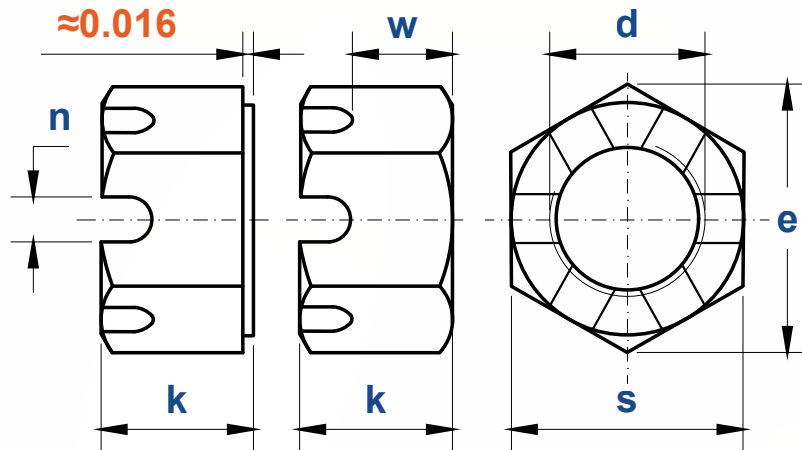
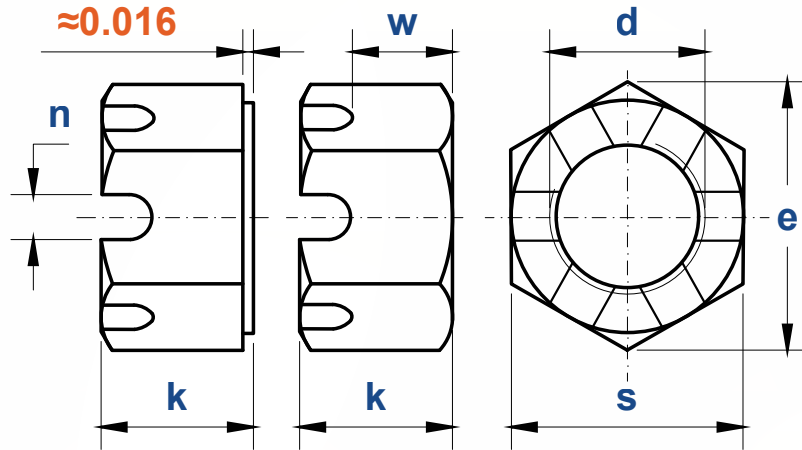




| Screw Thread<br>d |              | 1/4    | 5/16   | 3/8    | 7/16   | 1/2    | 9/16   | 5/8    | 3/4    | 7/8    | 1      | 1-1/8   | 1-1/4  |
|-------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| d                 |              | 0.2500 | 0.3125 | 0.3750 | 0.4375 | 0.5000 | 0.5625 | 0.6250 | 0.7500 | 0.8750 | 1.0000 | 1.1250  | 1.2500 |
| PP                | UNC          | 20     | 18     | 16     | 14     | 13     | 12     | 11     | 10     | 9      | 8      | 7       | 7      |
|                   | UNF          | 28     | 24     | 24     | 20     | 20     | 18     | 18     | 16     | 14     | 12     | 12      | 12     |
|                   | 8-UN         | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | 8       | 8      |
| s                 | Nominal Size | 1/2    | 9/16   | 11/16  | 3/4    | 7/8    | 15/16  | 1-1/16 | 1-1/4  | 1-7/16 | 1-5/8  | 1-13/16 | 2      |
|                   | min          | 0.488  | 0.546  | 0.669  | 0.728  | 0.850  | 0.909  | 1.031  | 1.212  | 1.394  | 1.575  | 1.756   | 1.938  |
|                   | max          | 0.500  | 0.562  | 0.688  | 0.750  | 0.875  | 0.938  | 1.062  | 1.250  | 1.438  | 1.625  | 1.812   | 2.000  |
| e                 | min          | 0.556  | 0.622  | 0.763  | 0.830  | 0.969  | 1.037  | 1.175  | 1.382  | 1.589  | 1.796  | 2.002   | 2.209  |
|                   | max          | 0.577  | 0.650  | 0.794  | 0.866  | 1.010  | 1.083  | 1.227  | 1.443  | 1.660  | 1.876  | 2.093   | 2.309  |
| k                 | Nominal Size | 15/64  | 19/64  | 23/64  | 27/64  | 31/64  | 35/64  | 39/64  | 47/64  | 55/64  | 63/64  | 1-7/64  | 1-7/32 |
|                   | min          | 0.218  | 0.280  | 0.341  | 0.403  | 0.464  | 0.526  | 0.587  | 0.710  | 0.833  | 0.956  | 1.079   | 1.187  |
|                   | max          | 0.250  | 0.314  | 0.377  | 0.441  | 0.504  | 0.568  | 0.631  | 0.758  | 0.885  | 1.012  | 1.139   | 1.251  |
| w                 | min          | 0.13   | 0.19   | 0.22   | 0.26   | 0.32   | 0.35   | 0.38   | 0.47   | 0.59   | 0.69   | 0.75    | 0.83   |
|                   | max          | 0.15   | 0.21   | 0.24   | 0.28   | 0.34   | 0.37   | 0.40   | 0.49   | 0.62   | 0.72   | 0.78    | 0.86   |
| n ①               | min          | 0.07   | 0.09   | 0.12   | 0.12   | 0.15   | 0.15   | 0.18   | 0.18   | 0.18   | 0.24   | 0.24    | 0.31   |
|                   | max          | 0.10   | 0.12   | 0.15   | 0.15   | 0.18   | 0.18   | 0.24   | 0.24   | 0.24   | 0.30   | 0.33    | 0.40   |



| Screw Thread |              | 1-3/8   | 1-1/2   | 1-3/4   | 2       | 2-1/4   | 2-1/2   | 2-3/4   | 3       | 3-1/4  | 3-1/2  | 3-3/4   | 4       |
|--------------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|---------|---------|
| $d$          |              | 1.3750  | 1.5000  | 1.7500  | 2.0000  | 2.2500  | 2.5000  | 2.7500  | 3.0000  | 3.2500 | 3.5000 | 3.7500  | 4.0000  |
| PP           | UNC          | 6       | 6       | 5       | 4-1/2   | 4-1/2   | 4       | 4       | 4       | 4      | 4      | 4       | 4       |
|              | UNF          | 12      | 12      | -       | -       | -       | -       | -       | -       | -      | -      | -       | -       |
|              | 8-UN         | 8       | 8       | 8       | 8       | 8       | 8       | 8       | 8       | 8      | 8      | 8       | 8       |
| $s$          | Nominal Size | 2-3/16  | 2-3/8   | 2-3/4   | 3-1/8   | 3-1/2   | 3-7/8   | 4-1/4   | 4-5/8   | 5      | 5-3/8  | 5-3/4   | 6-1/8   |
|              | min          | 2.119   | 2.300   | 2.662   | 3.025   | 3.388   | 3.750   | 4.112   | 4.475   | 4.838  | 5.200  | 5.562   | 5.925   |
|              | max          | 2.188   | 2.375   | 2.750   | 3.125   | 3.500   | 3.875   | 4.250   | 4.625   | 5.000  | 5.375  | 5.750   | 6.125   |
| $e$          | min          | 2.416   | 2.622   | 3.035   | 3.449   | 3.862   | 4.275   | 4.688   | 5.102   | 5.515  | 5.928  | 6.341   | 6.755   |
|              | max          | 2.526   | 2.742   | 3.175   | 3.608   | 4.041   | 4.474   | 4.907   | 5.340   | 5.774  | 6.207  | 6.640   | 7.073   |
| $k$          | Nominal Size | 1-11/32 | 1-15/32 | 1-23/32 | 1-31/32 | 2-13/64 | 2-29/64 | 2-45/64 | 2-61/64 | 3-3/16 | 3-7/16 | 3-11/16 | 3-15/16 |
|              | min          | 1.310   | 1.433   | 1.679   | 1.925   | 2.155   | 2.401   | 2.647   | 2.893   | 3.124  | 3.370  | 3.616   | 3.862   |
|              | max          | 1.378   | 1.505   | 1.759   | 2.013   | 2.251   | 2.505   | 2.759   | 3.013   | 3.252  | 3.506  | 3.760   | 4.014   |
| $w$          | min          | 0.95    | 1.01    | 1.20    | 1.38    | 1.62    | 1.74    | 1.99    | 2.17    | 2.41   | 2.65   | 2.90    | 3.15    |
|              | max          | 0.99    | 1.05    | 1.24    | 1.43    | 1.67    | 1.79    | 2.05    | 2.23    | 2.47   | 2.72   | 2.97    | 3.22    |
| $n$ ①        | min          | 0.31    | 0.37    | 0.43    | 0.43    | 0.43    | 0.55    | 0.55    | 0.62    | 0.62   | 0.62   | 0.62    | 0.62    |
|              | max          | 0.40    | 0.46    | 0.52    | 0.52    | 0.52    | 0.64    | 0.64    | 0.71    | 0.71   | 0.71   | 0.71    | 0.71    |