



ASME B18.2.2 Rod Coupling Nut

Leader-Fastener is a manufacturer and distributor of **ASME B18.2.2 Rod Coupling Nut**. We have a complete line of service from having invested in production plants, export department and to having a quality control team and center to meet your requirements. We regard quality as the life of the company. We persist in good quality as the first policy and have established a set of quality control and inspection system according to the international standard. We have carried out ISO9001 Quality Guarantee System in every course of production, transportation and selling. We do hope we could be your partner in

business by topping quality, knight service and competitive price in the near future and be your friends as well.

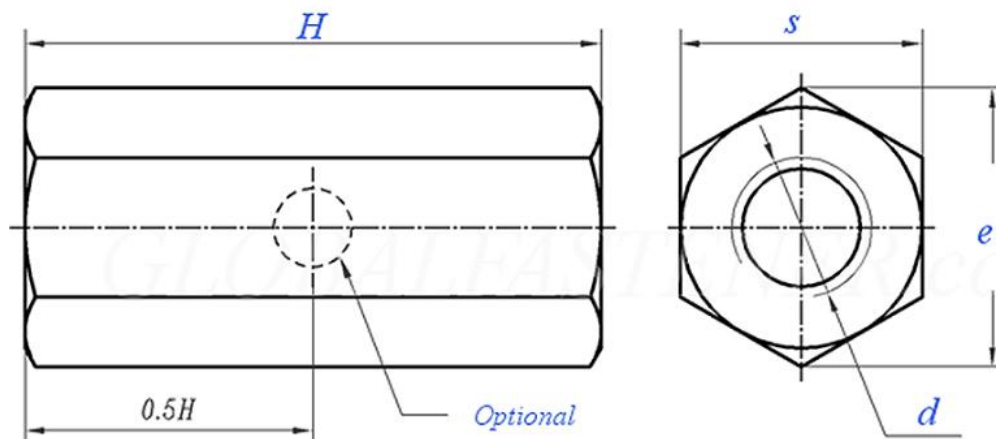
ASME B18.2.2 Rod Coupling Nut also known as Extension Nuts, are threaded fastener for joining two male threaded objects, most commonly threaded rod, but also pipes. The outside of the coupling nut is usually a hex so it can be gripped by a wrench.

Product Specification of ASME B18.2.2 Rod Coupling Nut

Material : Carbon steel, Stainless steel, Alloy Steel, Brass.

Finishment: Black, Zinc Plated, Zinc Yellow, HDG, Phosphate, DACROMET, Geomet, Magin, Ruspert, Teflon, etc.

ASME B 18.2.2 - 2022 Hex Coupling Nuts [Table14] (ASTM A563)



| Screw Thread | #6 | #8 | #10 | 1/4 | 5/16 | 3/8 | 7/16 | 1/2 | 9/16 | 5/8 | 3/4 | 7/8 | |
|--------------|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| d | 0.1380 | 0.1640 | 0.1900 | 0.2500 | 0.3125 | 0.3750 | 0.4375 | 0.5000 | 0.5625 | 0.6250 | 0.7500 | 0.8750 | |
| P P | UNC | 32 | 32 | 24 | 20 | 18 | 16 | 14 | 13 | 12 | 11 | 10 | 9 |
| | UNF | 40 | 36 | 32 | 28 | 24 | 24 | 20 | 20 | 18 | 18 | 16 | 14 |
| | 8-UN | - | - | - | - | - | - | - | - | - | - | - | - |
| s | min | 0.302 | 0.302 | 0.302 | 0.428 | 0.489 | 0.551 | 0.607 | 0.663 | 0.782 | 0.782 | 0.963 | 1.212 |
| | max=nominal size | 0.312 | 0.312 | 0.312 | 0.438 | 0.500 | 0.562 | 0.625 | 0.688 | 0.813 | 0.813 | 1.000 | 1.250 |
| e | min | 0.344 | 0.344 | 0.344 | 0.488 | 0.557 | 0.628 | 0.692 | 0.756 | 0.891 | 0.891 | 1.097 | 1.382 |
| | max | 0.361 | 0.361 | 0.361 | 0.505 | 0.577 | 0.650 | 0.722 | 0.794 | 0.939 | 0.939 | 1.155 | 1.443 |
| H | Nominal Size | 1/2 | 5/8 | 3/4 | 1-3/4 | 1-3/4 | 1-3/4 | 1-3/4 | 1-3/4 | 2-1/8 | 2-1/8 | 2-1/4 | 2-1/2 |
| | min | 0.470 | 0.595 | 0.711 | 1.690 | 1.690 | 1.690 | 1.690 | 1.690 | 2.067 | 2.067 | 2.190 | 2.440 |
| | max | 0.510 | 0.645 | 0.760 | 1.760 | 1.760 | 1.760 | 1.760 | 1.760 | 2.135 | 2.135 | 2.260 | 2.51 |

| Screw Thread | 1 | 1-1/8 | 1-1/4 | 1-1/2 | 1-5/8 | 1-3/4 | 1-7/8 | 2 | 2-1/4 | 2-1/2 | 2-3/4 | 3 | |
|--------------|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| d | 1.0000 | 1.1250 | 1.2500 | 1.5000 | 1.6250 | 1.7500 | 1.8750 | 2.0000 | 2.2500 | 2.5000 | 2.7500 | 3.0000 | |
| P P | UNC | 8 | 7 | 7 | 6 | - | 5 | - | 4-1/2 | 4-1/2 | 4 | 4 | 4 |
| | UNF | 12 | 12 | 12 | 12 | - | - | - | - | - | - | - | - |
| | 8-UN | - | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| s | min | 1.325 | 1.450 | 1.575 | 1.950 | 2.481 | 2.662 | 2.844 | 3.025 | 3.388 | 3.750 | 4.112 | 4.475 |
| | max=nominal size | 1.375 | 1.500 | 1.625 | 2.000 | 2.562 | 2.750 | 2.938 | 3.125 | 3.500 | 3.875 | 4.250 | 4.625 |
| e | min | 1.511 | 1.653 | 1.825 | 2.275 | 2.828 | 3.035 | 3.242 | 3.448 | 3.862 | 4.275 | 4.688 | 5.101 |
| | max | 1.588 | 1.732 | 1.876 | 2.309 | 2.959 | 3.175 | 3.392 | 3.608 | 4.041 | 4.474 | 4.907 | 5.340 |
| H | Nominal Size | 2-3/4 | 3 | 3 | 3-1/2 | 4-7/8 | 5-1/4 | 5-5/8 | 6 | 6-3/4 | 7-1/2 | 8-1/4 | 9 |
| | min | 2.690 | 2.940 | 2.940 | 3.440 | 4.830 | 5.210 | 5.580 | 5.950 | 6.700 | 7.440 | 8.190 | 8.940 |
| | max | 2.760 | 3.010 | 3.010 | 3.510 | 4.910 | 5.290 | 5.670 | 6.040 | 6.800 | 7.550 | 8.310 | 9.060 |

| Screw Thread | 3-1/4 | 3-1/2 | 3-3/4 | 4 | 4-1/4 | 4-1/2 | 4-3/4 | 5 | 5-1/4 | 5-1/2 | 5-3/4 | 6 |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| d | 3.2500 | 3.5000 | 3.7500 | 4.0000 | 4.2500 | 4.5000 | 4.7500 | 5.0000 | 5.2500 | 5.5000 | 5.7500 | 6.0000 |
| P P | UNC | 4 | 4 | 4 | 4 | - | - | - | - | - | - | - |
| | UNF | - | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | | | |
|---|------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 8-UN | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| S | min | 4.838 | 5.200 | 5.562 | 5.925 | 6.288 | 6.650 | 7.012 | 7.375 | 7.738 | 8.100 | 8.462 | 8.825 |
| | max=nominal size | 5.000 | 5.375 | 5.750 | 6.125 | 6.500 | 6.875 | 7.250 | 7.625 | 8.000 | 8.375 | 8.750 | 9.125 |
| e | min | 5.515 | 5.928 | 6.340 | 6.754 | 7.168 | 7.581 | 7.994 | 8.408 | 8.821 | 9.234 | 9.647 | 10.060 |
| | max | 5.773 | 6.206 | 6.639 | 7.072 | 7.506 | 7.939 | 8.372 | 8.805 | 9.238 | 9.671 | 10.104 | 10.537 |
| H | Nominal Size | 9-3/4 | 10-1/2 | 11-1/4 | 12 | 12-3/4 | 13-1/2 | 14-1/4 | 15 | 15-3/4 | 16-1/2 | 17-1/4 | 18 |
| | min | 9.680 | 10.430 | 11.170 | 11.920 | 12.670 | 13.420 | 14.160 | 14.910 | 15.650 | 16.400 | 17.150 | 17.890 |
| | max | 9.810 | 10.570 | 11.320 | 12.080 | 12.830 | 13.580 | 14.340 | 15.090 | 15.850 | 16.600 | 17.350 | 18.110 |

①,Nuts shall be furnished without a hole, unless specially ordered by the purchaser. In some applications it may be desirable to assure that the threaded parts joined by a coupling nut are each engaged to approximately one-half nut thickness. As a visual inspection aid, a hole drilled through one side of the nut is recommended. The hole should be located at mid-nut thickness, and have a diameter of 0.2 to 0.4 times nominal nut size for sizes 2½ in and smaller, and 1 in for sizes 2¾ in and larger.