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11

FASTENERS

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FASTENERS GUIDE

FASTENER GUIDE

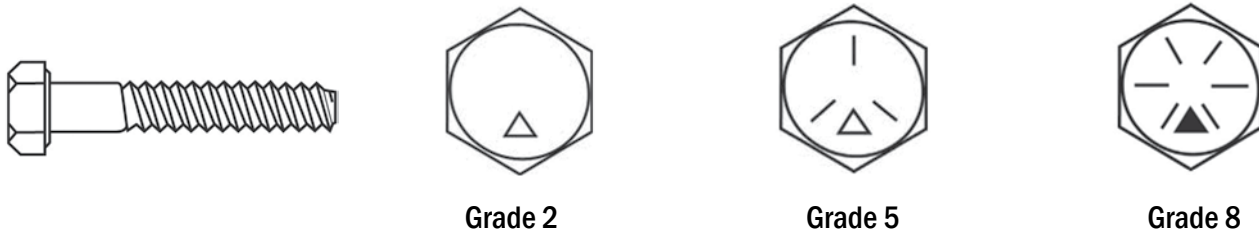






Table 11-1: Fasteners - Fastener Guide

| Standard | Markings | | | Description |
|---------------------------------|--|------------------|-------------------------------------|--|
| | Grade 2 | Grade 5 | Grade 8 | |
| IFI Fastener Standards, 6th Ed. | Nuts milled from bar stock: | | Nuts milled from bar stock: | SAE Grade 2 nuts need not be marked. SAE Grade 5 and 8 nuts are required to be grade identified, using the “clock” marking system. A dot is located at one corner on the top surface to indicate 12 o'clock and a radial line is placed at the 5 and 9 o'clock position to identify Grades 5 and 8, respectively. Nuts which are milled from the bar on screw machines are normally grade identified with small notches cut into the corners of the hex, one for Grade 2, two for Grade 8. |
| SAE J995 | No Marking Required | | | Grade 2 nuts are not required to be marked for grade identification. Grade 5 nuts shall be marked for grade identification with a dot and a radial or circumferential line at 120° counterclockwise from the dot. Grade 8 nuts shall be marked for grade identification with a dot and a radial or circumferential line at 60° counterclockwise from the dot. Nuts fabricated by cutting from hex bar stock shall be grade marked with notches at the hexagon corners, one notch at each corner for Grade 5, two notches at each corner for Grade 8. |
| ASTM A563 | No Marking Required for Grades O, A, and B | Grades C, C3 | Grades D, DH, DH3 | Grade O, A, and B are not required to be marked unless specified. When specified, the mark shall be the grade letter symbol on one face of the nut. Grade C nuts shall be marked on one face with three circumferential marks 120° apart. Grade C3 nuts shall be marked on one face with three circumferential marks 120° apart and the numeral 3. Grades, D, DH, and DH3 shall be marked with the grade letter symbol on one face. |
| MIL-S-1222H | No Marking Required | | | Grade 2 nuts are not required to be marked for grade identification. Grade 5 nuts shall be marked with three circumferential dashes equally spaced 120° apart. Grade 8 nuts shall be marked with six circumferential dashes equally spaced 60° apart. |

| Standard | Markings | | | Description |
|-----------|--|--|---|--|
| | Grade 2 | Grade 5 | Grade 8 | |
| ISO 898/2 | Class 8  | Class 9  | Class 10  | <p>Nuts of thread diameters greater than or equal to 5mm and property class equal to or higher than Class 8 shall be marked on one surface with the class identification number. Alternately, these may be marked with the "clockface" system which consists of a dot at one corner to indicate 12 o'clock and a radial line placed at the appropriate clock position.</p> <p>Nuts marked with one notch at the hexagon corners, shown at right, indicates a left-handed thread.</p>  |

BOLTS


Washers

See Page 11-120

BOLT KIT


HWC04360

Table 11-2: Fasteners - Bolt Kit

| Part No. | Measurement | Unit of Measure | Qty. |
|----------|--|-----------------|------|
| HWC04360 | Hex Bolt, M12-1.75 x 50, Polished Stainless Steel | Metric | 4 |
| HWC06180 | 5/16"-18 x 1-1/4", Hex Bolt Polished Stainless Steel | U.S. | 10 |

HEX BOLTS (METRIC)


HWC06398

HWC04480

Table 11-3: Fasteners - Hex Bolts (Metric)

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-------------------------------|------------------|------|
| HWC01097 | ISO | Stainless Steel | M8-1.25 x 30mm | 10 |
| HWC01169 | ISO | Stainless Steel w/Nylon Patch | M8-1.25 x 30mm | 4 |
| HWC01225 | ISO | Stainless Steel | M10-1.50 x 60mm | 2 |
| HWC04044 | ISO | Polished Stainless Steel | M8-1.25 x 30mm | 5 |
| HWC04177 | ISO | Polished Stainless Steel | M12-1.75 x 60mm | 2 |
| HWC04203 | ISO | Stainless Steel w/Nylon Patch | M8-1.25 x 20mm | 4 |
| HWC04262 | ISO | Stainless Steel | M10-1.50 x 30mm | 10 |
| HWC04264 | ISO | Stainless Steel | M10-1.50 x 40mm | 4 |
| HWC04266 | ISO | Polished Stainless Steel | M10-1.50 x 40mm | 4 |
| HWC04268 | ISO | Stainless Steel | M10-1.50 x 50mm | 4 |
| HWC04274 | ISO | Polished Stainless Steel | M12-1.75 x 120mm | 1 |
| HWC04338 | ISO | Polished Stainless Steel | M12-1.75 x 100mm | 2 |
| HWC04340 | ISO | Stainless Steel | M12-1.75 x 110mm | 2 |
| HWC04341 | ISO | Polished Stainless Steel | M12-1.75 x 150mm | 25 |
| HWC04344 | ISO | Stainless Steel | M12-1.75 x 120mm | 2 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|--|------------------|------|
| HWC04346 | ISO | Stainless Steel | M12-1.75 x 130mm | 1 |
| HWC04348 | ISO | Polished Stainless Steel | M12-1.75 x 130mm | 1 |
| HWC04350 | ISO | Stainless Steel | M12-1.75 x 180mm | 1 |
| HWC04352 | ISO | Polished Stainless Steel | M12-1.75 x 180mm | 1 |
| HWC04354 | ISO | Polished Stainless Steel | M12-1.75 x 40mm | 4 |
| HWC04356 | ISO | Stainless Steel | M12-1.75 x 45mm | 4 |
| HWC04358 | ISO | Stainless Steel | M12-1.75 x 50mm | 4 |
| HWC04360 | ISO | Polished Stainless Steel | M12-1.75 x 50mm | 4 |
| HWC04362 | ISO | Stainless Steel | M12-1.75 x 70mm | 4 |
| HWC04366 | ISO | Polished Stainless Steel | M12-1.75 x 70mm | 2 |
| HWC04370 | ISO | Polished Stainless Steel | M12-1.75 x 80mm | 2 |
| HWC04372 | ISO | Stainless Steel w/Nylon Patch | M12-1.75 x 45mm | 4 |
| HWC04374 | ISO | Polished Stainless Steel w/Nylon Patch | M12-1.75 x 50mm | 4 |
| HWC04378 | ISO | Polished Stainless Steel | M12-1.75 x 60mm | 4 |
| HWC04382 | ISO | Stainless Steel Black | M12-1.75 x 50mm | 4 |
| HWC04422 | ISO | Polished Stainless Steel | M16-2.00 x 50mm | 2 |
| HWC04460 | ISO | Polished Stainless Steel | M6-1.00 x 30mm | 10 |
| HWC04464 | ISO | Stainless Steel | M6-1.00 x 20mm | 50 |
| HWC04466 | ISO | Polished Stainless Steel | M6-1.00 x 20mm | 10 |
| HWC04468 | ISO | Polished Stainless Steel | M6-1.00 x 50mm | 4 |
| HWC04472 | ISO | Stainless Steel | M6-1.00 x 25mm | 25 |
| HWC04476 | ISO | Polished Stainless Steel w/Nylon Patch | M6-1.00 x 30mm | 4 |
| HWC04478 | ISO | Stainless Steel | M6-1.00 x 10mm | 10 |
| HWC04480 | ISO | Polished Stainless Steel | M6-1.00 x 25mm | 10 |
| HWC04482 | ISO | Stainless Steel | M6-1.00 x 30mm | 10 |
| HWC04484 | ISO | Polished Stainless Steel | M6-1.00 x 35mm | 5 |
| HWC04486 | ISO | Polished Stainless Steel | M6-1.00 x 40mm | 4 |
| HWC04490 | ISO | Polished Stainless Steel | M6-1.00 x 45mm | 4 |
| HWC04492 | ISO | Stainless Steel w/Nylon Patch | M6-1.00 x 30mm | 15 |
| HWC04498 | ISO | Polished Stainless Steel w/Nylon Patch | M6-1.00 x 25mm | 4 |
| HWC04500 | ISO | Stainless Steel Black | M6-1.00 x 25mm | 10 |
| HWC04522 | ISO | Stainless Steel | M8-1.25 x 40mm | 10 |
| HWC04524 | ISO | Polished Stainless Steel | M8-1.25 x 40mm | 4 |
| HWC04526 | ISO | Polished Stainless Steel | M8-1.25 x 50mm | 4 |
| HWC04528 | ISO | Stainless Steel | M8-1.25 x 60mm | 5 |
| HWC04530 | ISO | Stainless Steel w/Nylon Patch | M8-1.25 x 100mm | 2 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-------------------------------|------------------|------|
| HWC04534 | ISO | Stainless Steel | M8-1.25 x 25mm | 10 |
| HWC04536 | ISO | Polished Stainless Steel | M12-1.75 x 140mm | 1 |
| HWC04540 | ISO | Polished Stainless Steel | M12-1.75 x 170mm | 25 |
| HWC04542 | ISO | Stainless Steel | M12-1.75 x 40mm | 4 |
| HWC04568 | ISO | Polished Stainless Steel | M12-1.75 x 90mm | 2 |
| HWC04606 | ISO | Polished Stainless Steel | M10-1.50 x 30mm | 4 |
| HWC04687 | ISO | Polished Stainless Steel | M10-1.50 x 50mm | 1 |
| HWC04709 | ISO | Stainless Steel w/Nylon Patch | M8-1.25 x 125mm | 1 |
| HWC04847 | ISO | Stainless Steel | M8-1.25 x 120mm | 2 |
| HWC04849 | ISO | Polished Stainless Steel | M20-2.50 x 100mm | 1 |
| HWC06396 | ISO | Polished Stainless Steel | M8-1.25 x 12mm | 2 |
| HWC06398 | ISO | Polished Stainless Steel | M8-1.25 x 16mm | 10 |
| HWC06402 | ISO | Plain | M8-1.25 x 12mm | 10 |
| HWC06404 | ISO | Plain | M8-1.25 x 16mm | 10 |
| HWC06444 | ISO | Polished Stainless Steel | M8-1.25 x 20mm | 10 |
| HWC06446 | ISO | Polished Stainless Steel | M8-1.25 x 25mm | 4 |
| HWC06565 | ISO | Stainless Steel w/Nylon Patch | M6-1.00 x 35mm | 10 |
| HWC06716 | ISO | Stainless Steel | M6-1.00 x 60mm | 10 |
| HWC07051 | ISO | Stainless Steel | M10-1.50 x 35mm | 6 |
| HWC12465 | ISO | Stainless Steel | M8-1.25 x 20mm | 20 |
| HWC12478 | ISO | Stainless Steel w/Nylon Patch | M6-1.00 x 20mm | 10 |

HEX BOLTS (U.S.)

Table 11-4: Fasteners - Hex Bolts (U.S.)

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|-------------------|------|
| HWC01102 | UNF | Stainless Steel | 5/16"-24 x 1-1/2" | 2 |
| HWC01254 | UNF | Stainless Steel | 1/2"-20 x 1-3/4" | 4 |
| HWC01328 | UNC | Stainless Steel | 1/4"-20 x 1-1/4" | 4 |
| HWC01342 | UNF | Stainless Steel | 1/4"-28 x 1-1/4" | 15 |
| HWC01344 | UNF | Stainless Steel | 1/4"-28 x 1-3/4" | 25 |
| HWC01560 | UNC | Stainless Steel | 5/16"-18 x 1-1/4" | 15 |
| HWC01982 | UNC | Stainless Steel | 1/4"-20 x 3/4" | 15 |
| HWC01986 | UNF | Stainless Steel | 1/4"-28 x 1" | 25 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|--|-------------------|------|
| HWC01990 | UNF | Stainless Steel | 1/4"-28 x 3/4" | 10 |
| HWC04144 | UNC | Polished Stainless Steel | 1/4"-20 x 1-1/2" | 5 |
| HWC04485 | UNC | Polished Stainless Steel | 1/4"-20 x 1-1/4" | 10 |
| HWC04614 | UNC | Polished Stainless Steel w/Nylon Patch | 1/4"-20 x 1" | 5 |
| HWC06034 | UNC | Polished Stainless Steel | 3/8"-16 x 1-1/4" | 5 |
| HWC06036 | UNC | Polished Stainless Steel | 1/2"-13 x 1-3/4" | 4 |
| HWC06058 | UNC | Polished Stainless Steel | 3/8"-16 x 3/4" | 10 |
| HWC06116 | UNC | Polished Stainless Steel | 1/4"-20 x 1" | 5 |
| HWC06148 | UNC | Polished Stainless Steel | 3/8"-16 x 7/8" | 10 |
| HWC06164 | UNC | Stainless Steel | 5/16"-18 x 5/8" | 25 |
| HWC06180 | UNC | Polished Stainless Steel | 5/16"-18 x 1-1/4" | 10 |
| HWC06244 | UNC | Polished Stainless Steel | 5/8"-11 x 1-3/4" | 4 |
| HWC06436 | UNC | Polished Stainless Steel | 5/16"-18 x 2-3/4" | 2 |
| HWC06440 | UNC | Polished Stainless Steel | 3/8"-16 x 1-1/2" | 5 |
| HWC06522 | UNC | Polished Stainless Steel | 1/2"-13 x 2-1/4" | 4 |
| HWC06548 | UNC | Polished Stainless Steel | 1/4"-20 x 3/4" | 10 |
| HWC06552 | UNC | Stainless Steel | 1/4"-20 x 5/8" | 15 |
| HWC06556 | UNC | Polished Stainless Steel | 1/4"-20 x 1/2" | 10 |
| HWC06588 | UNC | Polished Stainless Steel | 3/8"-16 x 2" | 4 |
| HWC06606 | UNC | Polished Stainless Steel | 5/16"-18 x 1" | 10 |
| HWC06608 | UNC | Polished Stainless Steel | 5/16"-18 x 1-3/4" | 4 |
| HWC06700 | UNC | Stainless Steel | 1/4"-20 x 1-3/4" | 25 |
| HWC06783 | UNC | Polished Stainless Steel | 1/2"-13 x 2" | 2 |
| HWC07017 | UNC | Polished Stainless Steel | 3/8"-16 x 1" | 4 |
| HWC07362 | UNC | Polished Stainless Steel | 3/8"-16 x 2-1/2" | 4 |
| HWC10040 | UNC | Polished Stainless Steel w/Nylon Patch | 5/16"-18 x 3/4" | 25 |
| HWC10043 | UNC | Polished Stainless Steel | 5/16"-18 x 2-1/4" | 10 |
| HWC12017 | UNC | Polished Stainless Steel | 5/16"-18 x 7/8" | 10 |
| HWU10127 | UNC | Stainless Steel | 1/4"-20 x 1" | 50 |
| HWU10153 | UNC | Stainless Steel | 5/16"-18 x 1" | 50 |
| HWU10179 | UNC | Stainless Steel | 5/16"-18 x 1-1/2" | 50 |
| HWU10205 | UNC | Stainless Steel | 3/8"-16 x 3/4" | 25 |
| HWU10218 | UNC | Stainless Steel | 3/8"-16 x 1" | 25 |
| HWU10231 | UNC | Stainless Steel | 3/8"-16 x 1-1/2" | 25 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|---------------------|------|
| HWU10244 | UNC | Stainless Steel | 3/8"-16 x 2" | 25 |
| HWU10140 | UNC | Stainless Steel | 1/4"-20NC x 1-1/4" | 50 |
| HWU10166 | UNC | Stainless Steel | 5/16"-18NC x 1-1/4" | 50 |
| HWU10114 | UNC | Stainless Steel | 1/4"-20NC x 3/4" | 50 |

HEX FLANGE BOLTS (U.S.)



HWU20220

Table 11-5: Fasteners - Hex Flange Bolts (U.S.)

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|------------------|------|
| HWC01110 | UNC | Zinc Yellow | 5/8"-11 x 2-1/2" | 4 |
| HWC01112 | UNC | Zinc Yellow | 5/8"-11 x 2-1/4" | 10 |
| HWC01114 | UNC | Zinc Yellow | 5/8"-11 x 3" | 4 |
| HWC06262 | UNC | Zinc Yellow | 1/4"-20 x 3/4" | 25 |
| HWC06532 | UNC | Zinc Yellow | 1/2"-13 x 2-1/4" | 10 |
| HWC06662 | UNC | Zinc Yellow | 1/2"-13 x 2-3/4" | 1 |
| HWU10116 | UNC | Plain | 3/8"-16 x 1-1/4" | 50 |
| HWU10259 | UNC | Plain | 1/2"-13 x 1-1/2" | 50 |
| HWU10285 | UNC | Plain | 1/2"-13 x 2" | 25 |
| HWU10402 | UNC | Plain | 5/8"-11 x 1-1/2" | 25 |
| HWU10415 | UNC | Plain | 5/8"-11 x 1-3/4" | 25 |
| HWU10441 | UNC | Plain | 5/8"-11 x 2-1/4" | 25 |
| HWU10467 | UNC | Plain | 5/8"-11 x 2-3/4" | 25 |
| HWU10493 | UNC | Plain | 5/8"-11 x 3-1/2" | 25 |
| HWU10532 | UNC | Plain | 3/4"-10 x 2" | 20 |
| HWU11839 | UNF | Plain | 3/4"-16 x 2" | 10 |
| HWU11841 | UNF | Plain | 3/4"-16 x 2-1/2" | 10 |
| HWU11843 | UNF | Plain | 3/4"-16 x 2-3/4" | 10 |
| HWU11845 | UNF | Plain | 3/4"-16 x 3-1/4" | 10 |
| HWU11847 | UNF | Plain | 3/4"-16 x 3-1/2" | 10 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|------------------|------|
| HWU11849 | UNF | Plain | 3/4"-16 x 4" | 10 |
| HWU11851 | UNF | Plain | 1/2"-20 x 1-1/4" | 25 |
| HWU11853 | UNF | Plain | 1/2"-20 x 1-1/2" | 25 |
| HWU11855 | UNF | Plain | 1/2"-20 x 1-3/4" | 25 |
| HWU11857 | UNF | Plain | 1/2"-20 x 2" | 25 |
| HWU11859 | UNF | Plain | 1/2"-20 x 2-1/4" | 25 |
| HWU11861 | UNF | Plain | 1/2"-20 x 2-1/2" | 25 |
| HWU11863 | UNF | Plain | 1/2"-20 x 2-3/4" | 25 |
| HWU11865 | UNF | Plain | 1/2"-20 x 3" | 25 |
| HWU11867 | UNF | Plain | 1/2"-20 x 3-1/2" | 25 |
| HWU11869 | UNF | Plain | 1/2"-20 x 4" | 25 |
| HWU11881 | UNF | Plain | 5/8"-18 x 1-1/2" | 25 |
| HWU11883 | UNF | Plain | 5/8"-18 x 1-3/4" | 25 |
| HWU11885 | UNF | Plain | 5/8"-18 x 2" | 10 |
| HWU11887 | UNF | Plain | 5/8"-18 x 2-1/4" | 10 |
| HWU11889 | UNF | Plain | 5/8"-18 x 2-1/2" | 10 |
| HWU11891 | UNF | Plain | 5/8"-18 x 2-3/4" | 10 |
| HWU11893 | UNF | Plain | 5/8"-18 x 3" | 10 |
| HWU11895 | UNF | Plain | 5/8"-18 x 3-1/4" | 10 |
| HWU11897 | UNF | Plain | 5/8"-18 x 3-1/2" | 10 |
| HWU11899 | UNF | Plain | 5/8"-18 x 3-3/4" | 10 |
| HWU11901 | UNF | Plain | 5/8"-18 x 4" | 10 |
| HWU11903 | UNF | Plain | 5/8"-18 x 4-1/2" | 10 |
| HWU11905 | UNF | Plain | 5/8"-18 x 5" | 10 |
| HWU20103 | UNC | Plain | 3/8"-16 x 1" | 50 |
| HWU20129 | UNC | Plain | 3/8"-16 x 1-1/2" | 50 |
| HWU20155 | UNC | Plain | 3/8"-16 x 2" | 50 |
| HWU20207 | UNC | Plain | 3/8"-16 x 3" | 50 |
| HWU20220 | UNC | Plain | 3/8"-16 x 3-1/2" | 50 |
| HWU20233 | UNC | Plain | 1/2"-13 x 1" | 50 |
| HWU20272 | UNC | Plain | 1/2"-13 x 1-3/4" | 25 |
| HWU20298 | UNC | Plain | 1/2"-13 x 2-1/4" | 25 |
| HWU20311 | UNC | Plain | 1/2"-13 x 2-1/2" | 25 |
| HWU20324 | UNC | Plain | 1/2"-13 x 2-3/4" | 25 |
| HWU20337 | UNC | Plain | 1/2"-13 x 3" | 25 |
| HWU20389 | UNC | Plain | 5/8"-11 x 1-1/4" | 25 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|------------------|------|
| HWU20506 | UNC | Plain | 5/8"-11 x 4" | 25 |
| HWU20558 | UNC | Plain | 3/4"-10 x 2-1/2" | 20 |
| HWU20584 | UNC | Plain | 3/4"-10 x 3" | 20 |
| HWU20597 | UNC | Plain | 3/4"-10 x 3-1/2" | 20 |
| HWU20610 | UNC | Plain | 3/4"-10 x 4" | 20 |

GRADE 5 HEX BOLTS (U.S.)



Table 11-6: Fasteners - Hex Bolts - Grade 5 (U.S.)

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|--------------------|-----------------------------|------|
| HWC04863 | UNC | | 5/8"-11NC x 3", Full Thread | 5 |
| HWC12565 | UNC | Zinc Clear Iridite | 5/16"-18NC x 2-1/4" | 50 |
| HWC01023 | UNF | Zinc | 1/2"-20 x 6-1/2" | 4 |
| HWC01092 | UNC | Cadmium Zinc | 3/8"-16 x 2-1/4" | 10 |
| HWC01184 | UNC | Cadmium Zinc | 1/2"-13 x 2" | 25 |
| HWC01200 | UNC | Cadmium Zinc | 1/2"-13 x 1-1/2" | 4 |
| HWC01204 | UNC | Cadmium Zinc | 1/2"-13 x 1-1/4" | 25 |
| HWC01210 | UNC | Cadmium | 1/2"-13 x 2-1/2" | 15 |
| HWC01220 | UNC | Plain | 1/2"-13 x 3" | 25 |
| HWC01244 | UNF | Cadmium Zinc | 1/2"-20 x 1-1/2" | 25 |
| HWC01250 | UNF | Cadmium Zinc | 1/2"-20 x 1-3/4" | 25 |
| HWC01258 | UNF | Cadmium Zinc | 1/2"-20 x 2-1/2" | 10 |
| HWC01260 | UNF | Cadmium Zinc | 1/2"-20 x 2-1/4" | 10 |
| HWC01268 | UNF | Plain | 1/2"-20 x 2" | 25 |
| HWC01274 | UNF | Cadmium Zinc | 1/2"-20 x 3" | 10 |
| HWC01296 | UNF | Plain | 1/2"-20 x 6-1/2" | 2 |
| HWC01298 | UNF | Plain | 1/2"-20 x 6" | 4 |
| HWC01302 | UNF | Cadmium Zinc | 1/2"-20 x 7" | 4 |
| HWC01320 | UNC | Chrome | 1/4"-20 x 1-1/4" | 50 |
| HWC01348 | UNF | Chrome | 1/4"-28 x 3/4" | 10 |
| HWC01362 | UNF | Cadmium Zinc | 1"-12 x 2" | 2 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|-------------------|------|
| HWC01398 | UNC | Plain | 3/4"-10 x 3-3/4" | 4 |
| HWC01432 | UNF | Plain | 3/4"-16 x 3-1/2" | 4 |
| HWC01456 | UNF | Plain | 3/4"-16 x 4-1/2" | 4 |
| HWC01460 | UNF | Plain | 3/4"-16 x 6-1/2" | 2 |
| HWC01478 | UNF | Cadmium Zinc | 3/8"-24 x 1" | 25 |
| HWC01482 | UNF | Cadmium Zinc | 3/8"-24 x 3" | 25 |
| HWC01496 | UNC | Cadmium Zinc | 3/8"-16 x 1-1/2" | 2 |
| HWC01500 | UNC | Cadmium Zinc | 3/8"-16 x 1-3/4" | 25 |
| HWC01510 | UNF | Cadmium Zinc | 3/8"-24 x 2-1/2" | 25 |
| HWC01514 | UNF | Cadmium Zinc | 3/8"-24 x 2-3/4" | 25 |
| HWC01518 | UNF | Cadmium Zinc | 3/8"-24 x 1-1/2" | 25 |
| HWC01520 | UNF | Cadmium Zinc | 3/8"-24 x 1-1/4" | 25 |
| HWC01530 | UNF | Cadmium Zinc | 3/8"-24 x 3-1/2" | 10 |
| HWC01550 | UNC | Cadmium Zinc | 5/16"-18 x 2-1/2" | 25 |
| HWC01566 | UNC | Cadmium Zinc | 5/16"-18 x 1" | 25 |
| HWC01574 | UNC | Cadmium Zinc | 5/16"-18 x 3/4" | 25 |
| HWC01580 | UNF | Cadmium | 5/16"-24 x 1-1/2" | 4 |
| HWC01584 | UNF | Plain | 5/16"-24 x 2-1/4" | 10 |
| HWC01592 | UNF | Plain | 5/16"-24 x 4-1/2" | 2 |
| HWC01604 | UNC | Plain | 5/8"-11 x 2-3/4" | 4 |
| HWC01606 | UNC | Cadmium Zinc | 5/8"-11 x 2" | 10 |
| HWC01612 | UNC | Plain | 5/8"-11 x 7-1/2" | 1 |
| HWC01616 | UNF | Plain | 5/8"-18 x 1-1/2" | 10 |
| HWC01628 | UNF | Cadmium Zinc | 5/8"-18 x 2-1/4" | 10 |
| HWC01632 | UNF | Plain | 5/8"-18 x 2-3/4" | 10 |
| HWC01634 | UNF | Cadmium Zinc | 5/8"-18 x 2" | 10 |
| HWC01640 | UNF | Plain | 5/8"-18 x 3-3/4" | 5 |
| HWC01676 | UNF | Plain | 5/8"-18 x 7" | 4 |
| HWC01694 | UNC | Plain | 7/16"-14 x 2" | 10 |
| HWC01702 | UNC | Plain | 7/16"-14 x 1-1/2" | 25 |
| HWC01704 | UNC | Cadmium Zinc | 7/16"-14 x 1-1/2" | 25 |
| HWC01706 | UNC | Cadmium Zinc | 7/16"-14 x 1-1/4" | 15 |
| HWC01714 | UNC | Cadmium Zinc | 7/16"-14 x 2-1/2" | 25 |
| HWC01718 | UNC | Plain | 7/16"-14 x 4-1/2" | 5 |
| HWC01720 | UNC | Plain | 7/16"-14 x 5" | 4 |
| HWC01728 | UNF | Cadmium Zinc | 7/16"-20 x 1-1/2" | 15 |
| HWC01768 | UNF | Plain | 7/8"-14 x 4-1/2" | 2 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|------------------------|-------------------|------|
| HWC01778 | UNF | Plain | 7/8"-14 x 4-3/4" | 2 |
| HWC01780 | UNF | Plain | 7/8"-14 x 4" | 2 |
| HWC01806 | UNC | Cadmium Zinc | 9/16"-12 x 1-1/2" | 15 |
| HWC01812 | UNC | Plain | 9/16"-12 x 2" | 10 |
| HWC01828 | UNF | Plain | 3/4"-16 x 2-1/2" | 4 |
| HWC01922 | UNF | Chrome | 1/4"-28 x 1" | 50 |
| HWC01980 | UNC | Cadmium Zinc | 1/4"-20 x 3/4" | 25 |
| HWC01984 | UNF | Cadmium Zinc | 1/4"-28 x 1" | 25 |
| HWC01988 | UNF | Cadmium Zinc | 1/4"-28 x 3/4" | 25 |
| HWC02008 | UNF | Plain | 3/4"-16 x 4" | 4 |
| HWC02010 | UNC | Plain | 3/8"-16 x 1-1/4" | 50 |
| HWC02028 | UNF | Cadmium Zinc | 5/16"-24 x 2-1/4" | 10 |
| HWC02040 | UNF | Plain | 5/8"-18 x 4-1/2" | 2 |
| HWC02050 | UNF | Cadmium Zinc | 5/16"-24 x 1-3/4" | 25 |
| HWC04018 | UNC | Zinc | 5/16"-18 x 2-1/4" | 2 |
| HWC04062 | UNF | Cadmium | 7/16"-20 x 1-3/4" | 25 |
| HWC04079 | UNF | Plain | 3/4"-16 x 7" | 1 |
| HWC04092 | UNF | Cadmium | 7/16"-20 x 4" | 15 |
| HWC04097 | UNC | Cadmium | 3/8"-16 x 2-1/4" | 10 |
| HWC04098 | UNC | Cadmium | 3/8"-16 x 2-1/2" | 25 |
| HWC04158 | UNC | Cadmium w/ Nylon Patch | 3/8"-16 x 1-1/4" | 25 |
| HWC04170 | UNC | Cadmium w/ Nylon Patch | 3/8"-16 x 3/4" | 5 |
| HWC04181 | UNC | Plain | 3/8"-16 x 1-1/2" | 4 |
| HWC04263 | UNC | Plain | 7/16"-14 x 5-1/2" | 10 |
| HWC04517 | UNC | Cadmium | 3/8"-16 x 3/4" | 25 |
| HWC04546 | UNC | Cadmium w/ Nylon Patch | 3/8"-16 x 1-1/2" | 10 |
| HWC04585 | UNC | Cadmium | 3/8"-16 x 3" | 10 |
| HWC04616 | UNF | Plain | 3/8"-24 x 5-1/2" | 1 |
| HWC06004 | UNC | Zinc | 1/4"-20 x 3/4" | 50 |
| HWC06006 | UNC | Zinc | 1/4"-20 x 1-1/4" | 50 |
| HWC06008 | UNC | Zinc | 1/4"-20 x 2" | 25 |
| HWC06012 | UNC | Zinc | 3/8"-16 x 1-1/2" | 50 |
| HWC06046 | UNF | Zinc | 1/2"-20 x 3-1/2" | 15 |
| HWC06065 | UNC | Zinc Black | 3/8"-16 x 1-1/4" | 50 |
| HWC06088 | UNC | Zinc | 1/4"-20 x 1-3/4" | 25 |
| HWC06096 | UNC | Zinc | 1/4"-20 x 1-1/2" | 25 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|------------------------|--|------|
| HWC06105 | UNC | Zinc | 1/4"-20 x 1", w/ Locking Head | 25 |
| HWC06106 | UNF | Zinc | 1/4"-28 x 1-1/4" | 100 |
| HWC06112 | UNF | Zinc | 1/4"-28 x 1" | 75 |
| HWC06114 | UNC | Cadmium Zinc | 1/4"-20 x 2-3/4" | 1 |
| HWC06130 | UNF | Zinc | 3/8"-24 x 1-1/4" | 50 |
| HWC06138 | UNF | Zinc | 3/8"-24 x 3-1/4" | 15 |
| HWC06176 | UNC | Zinc | 5/16"-18 x 1-1/2" | 10 |
| HWC06202 | UNC | Zinc | 7/16"-14 x 1-1/4" | 50 |
| HWC06214 | UNF | Zinc | 7/16"-20 x 1-1/4" | 25 |
| HWC06246 | UNC | Zinc | 7/16"-14 x 2-1/2" | 25 |
| HWC06420 | UNF | Zinc | 3/8"-24 x 1-1/2" | 25 |
| HWC06422 | UNF | Zinc | 3/8"-24 x 2-3/4" | 25 |
| HWC06460 | UNC | Zinc | 5/16"-18 x 1" Indented Hex, w/ Lock Washer | 3 |
| HWC06498 | UNC | Zinc | 1/4"-20 x 1/2" | 50 |
| HWC06500 | UNC | Zinc | 1/4"-20 x 1" | 75 |
| HWC06502 | UNC | Plain | 5/8"-11 x 4" | 4 |
| HWC06515 | UNC | Plain | 1/2"-13 x 1-1/2" | 10 |
| HWC06518 | UNF | Zinc Yellow | 5/8"-18 x 6-1/2" | 4 |
| HWC06536 | UNF | Zinc | 1/2"-20 x 3-3/4" | 10 |
| HWC06538 | UNF | Plain | 1/2"-20 x 5" | 10 |
| HWC06564 | UNF | Plain | 3/4"-16 x 5" | 4 |
| HWC06572 | UNC | Zinc | 3/8"-16 x 2-1/2" | 50 |
| HWC06582 | UNC | Zinc | 3/8"-16 x 1-1/4" | 75 |
| HWC06584 | UNC | Zinc | 5/16"-18 x 1-3/4" | 50 |
| HWC06586 | UNC | Zinc | 3/8"-16 x 2" | 50 |
| HWC06598 | UNC | Zinc | 3/8"-16 x 1" | 15 |
| HWC07215 | UNC | Cadmium w/ Nylon Patch | 3/8"-16 x 5" | 10 |
| HWC07356 | UNF | Zinc Yellow | #10-32 x 3/4" | 15 |
| HWC07634 | UNF | Zinc w/ Nylon Patch | 5/16"-24 x 3/4" | 50 |
| HWC09214 | UNF | Cadmium | 5/8"-18 x 1" | 2 |
| HWC12541 | UNC | Cadmium Zinc | 5/16"-18 x 1-1/4" | 25 |

GRADE 8 BOLTS (U.S.)

Table 11-7: Fasteners - Bolts - Grade 8 (U.S.)

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|--------------------|------|
| HWC01076 | UNC | | 1/2"-13NC x 1-1/2" | 10 |
| HWC01078 | UNC | | 1/2"-13NC x 1-3/4" | 10 |
| HWC01080 | UNC | | 1/2"-13NC x 2" | 10 |
| HWC01082 | UNC | | 1/2"-13NC x 2-1/2" | 10 |
| HWC01116 | UNC | | 5/8"-11NC x 3-1/2" | 4 |
| HWC01137 | UNC | Zinc Yellow | 1/2"-13NC x 3" | 4 |

GRADE 8 HEX BOLTS (U.S.)



HWU00101

Table 11-8: Fasteners - Hex Bolts - Grade 8 (U.S.)

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|--------------------------|------|
| HWC01046 | UNF | Plain | 7/8"-14 x 6-1/2" | 1 |
| HWC01074 | UNF | Plain | 1/2"-20 x 2-1/2" | 10 |
| HWC01108 | UNC | Zinc Yellow | 5/8"-11 x 2" Full Thread | 4 |
| HWC01133 | UNF | Plain | 1/2"-20 x 1-3/8" | 4 |
| HWC01170 | UNF | Plain | 1"-12 x 2-1/2" | 2 |
| HWC01174 | UNF | Plain | 1"-12 x 4-1/2" | 1 |
| HWC01216 | UNC | Plain | 1/2"-13 x 2" | 25 |
| HWC01242 | UNF | Cadmium Zinc | 1/2"-20 x 6" | 4 |
| HWC01246 | UNF | Plain | 1/2"-20 x 1-1/2" | 10 |
| HWC01266 | UNF | Cadmium Zinc | 1/2"-20 x 2" | 10 |
| HWC01286 | UNF | Zinc Yellow | 1/2"-20 x 4" | 10 |
| HWC01349 | UNF | Cadmium | 1/2"-20 x 6" | 1 |
| HWC01364 | UNF | Plain | 1"-12 x 3-1/2" | 1 |
| HWC01368 | UNF | Plain | 1"-12 x 4" | 2 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|-------------------|------|
| HWC01370 | UNF | Plain | 1"-12 x 5" | 1 |
| HWC01376 | UNC | Cadmium Zinc | 3/4"-10 x 2-1/2" | 4 |
| HWC01380 | UNF | Plain | 3/4"-16 x 3-1/4" | 4 |
| HWC01396 | UNC | Plain | 3/4"-10 x 2" | 4 |
| HWC01420 | UNF | Cadmium Zinc | 3/4"-16 x 2-1/2" | 4 |
| HWC01424 | UNF | Plain | 3/4"-16 x 2-3/4" | 4 |
| HWC01430 | UNF | Cadmium Zinc | 3/4"-16 x 2" | 4 |
| HWC01440 | UNF | Cadmium Zinc | 3/4"-16 x 3" | 4 |
| HWC01458 | UNF | Plain | 3/4"-16 x 5" | 2 |
| HWC01470 | UNF | Cadmium Zinc | 3/4"-16 x 7-1/2" | 1 |
| HWC01492 | UNC | Cadmium Zinc | 3/8"-16 x 1-1/4" | 25 |
| HWC01540 | UNF | Plain | 5/16"-24 x 1" | 25 |
| HWC01602 | UNC | Plain | 5/8"-11 x 1-1/2" | 5 |
| HWC01618 | UNF | Plain | 5/8"-18 x 1-1/2" | 10 |
| HWC01620 | UNF | Plain | 5/8"-18 x 1-3/4" | 10 |
| HWC01626 | UNF | Plain | 5/8"-18 x 2-1/2" | 10 |
| HWC01636 | UNF | Plain | 5/8"-18 x 2" | 4 |
| HWC01644 | UNF | Plain | 5/8"-18 x 4-1/2" | 1 |
| HWC01648 | UNF | Cadmium Zinc | 5/8"-18 x 4-1/2" | 4 |
| HWC01652 | UNF | Plain | 5/8"-18 x 4" | 4 |
| HWC01658 | UNF | Plain | 5/8"-18 x 5-1/2" | 2 |
| HWC01662 | UNF | Cadmium Zinc | 5/8"-18 x 6-1/2" | 1 |
| HWC01670 | UNF | Plain | 5/8"-18 x 6" | 4 |
| HWC01678 | UNF | Plain | 5/8"-18 x 7" | 4 |
| HWC01730 | UNF | Plain | 7/16"-20 x 1-1/2" | 25 |
| HWC01736 | UNF | Plain | 7/16"-20 x 1-3/4" | 25 |
| HWC01740 | UNF | Plain | 7/16"-20 x 1" | 25 |
| HWC01742 | UNF | Plain | 7/16"-20 x 2-1/2" | 10 |
| HWC01746 | UNF | Cadmium Zinc | 7/16"-20 x 2" | 10 |
| HWC01756 | UNF | Plain | 7/8"-14 x 3-1/2" | 2 |
| HWC01764 | UNF | Plain | 7/8"-14 x 7-1/4" | 1 |
| HWC01766 | UNC | Plain | 7/8"-9 x 2-1/2" | 10 |
| HWC01770 | UNF | Plain | 7/8"-14 x 10-1/2" | 1 |
| HWC01774 | UNF | Plain | 7/8"-14 x 3-1/4" | 1 |
| HWC01776 | UNF | Plain | 7/8"-14 x 4-1/2" | 1 |
| HWC01782 | UNF | Plain | 7/8"-14 x 4" | 2 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|---------------------------------------|--------------------|------|
| HWC01786 | UNF | Plain | 7/8"-14 x 5-1/2" | 2 |
| HWC01790 | UNF | Plain | 7/8"-14 x 5-3/4" | 2 |
| HWC01792 | UNF | Plain | 7/8"-14 x 5" | 4 |
| HWC01794 | UNF | Plain | 7/8"-14 x 6-3/4" | 1 |
| HWC01798 | UNF | Plain | 7/8"-14 x 6" | 2 |
| HWC01800 | UNF | Plain | 7/8"-14 x 7-1/2" | 1 |
| HWC01804 | UNF | Plain | 7/8"-14 x 8-1/2" | 1 |
| HWC01814 | UNC | Plain | 9/16"-12 x 2" | 10 |
| HWC01936 | UNC | Plain | 3/8"-16 x 1-3/4" | 10 |
| HWC01956 | UNF | Cadmium Zinc | 7/8"-14 x 7" | 1 |
| HWC01966 | UNC | Plain | 1/2"-13 x 1-3/4" | 10 |
| HWC01970 | UNF | Plain | 1/2"-20 x 2-1/4" | 10 |
| HWC01992 | UNF | Plain | 7/8"-14 x 4-1/4" | 2 |
| HWC02000 | UNF | Plain | 3/4"-16 x 3-3/4" | 2 |
| HWC02002 | UNF | Plain | 3/4"-16 x 3" | 4 |
| HWC02006 | UNF | Plain | 3/4"-16 x 4-1/2" | 4 |
| HWC02022 | UNF | Plain | 3/8"-24 x 3-1/2" | 10 |
| HWC02032 | UNC | Plain | 5/8"-11 x 2" | 4 |
| HWC02046 | UNF | Plain | 7/8"-14 x 11" | 1 |
| HWC04036 | UNF | Plain | 3/4"-16 x 5-1/4" | 2 |
| HWC04088 | UNF | Plain | 7/8"-14 x 6-1/4" | 2 |
| HWC04128 | UNC | Cadmium w/ Nylon Patch | 1/2"-13 x 1-1/4" | 10 |
| HWC04134 | UNC | Cadmium w/ Nylon Patch | 1/2"-13 x 4" | 4 |
| HWC04152 | UNC | Plain w/ Nylon Patch | 3/4"-10 x 2" | 4 |
| HWC04190 | UNC | Plain w/ Nylon Patch | 5/8"-11 x 1-1/2" | 4 |
| HWC04198 | UNC | Plain w/ Nylon Patch | 5/8"-11 x 1-3/4" | 4 |
| HWC04210 | UNC | Plain w/ Nylon Patch | 5/8"-11 x 2" | 4 |
| HWC04393 | UNC | Plain w/ Nylon Patch | 3/4"-10 x 2-1/2" | 5 |
| HWC04641 | UNC | Plain w/ Nylon Patch | 3/4"-10 x 2-1/4" | 10 |
| HWC04702 | UNF | Cadmium | 7/16"-20 x 5" | 4 |
| HWC04732 | UNF | Plain | 1-3/8"-12 x 5-3/4" | 1 |
| HWC04738 | UNF | Plain | 1-1/4"-12 x 5-1/4" | 1 |
| HWC04903 | UNF | Plain | 1-1/4"-12 x 7-1/2" | 1 |
| HWC06028 | UNC | Black Phosphate Oil w/ Nylon Patch | 3/4"-10 x 2-1/2" | 4 |
| HWC06032 | UNC | Zinc Yellow | 5/8"-11 x 8-1/2" | 2 |
| HWC06044 | UNF | Zinc | 3/8"-24 x 1-1/2" | 15 |
| HWC06078 | UNC | Zinc Yellow | 1/2"-13 x 5-1/2" | 5 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|----------------------------|-----------------------------|------|
| HWC06082 | UNC | Zinc Yellow | 1/2"-13 x 1-3/4" | 10 |
| HWC06084 | UNC | Zinc Yellow | 1/2"-13 x 3-1/2" | 10 |
| HWC06120 | UNF | Zinc Black | 3/4"-16 x 4-1/2" Pitman Arm | 1 |
| HWC06134 | UNC | Zinc | 3/8"-16 x 1-1/2" | 25 |
| HWC06154 | UNC | Zinc | 3/8"-16 x 1" | 50 |
| HWC06172 | UNC | Plain w/ Nylon Patch | 5/16"-18 x 2" | 10 |
| HWC06208 | UNC | Plain | 7/16"-14 x 1-1/2" | 25 |
| HWC06210 | UNC | Plain | 7/16"-14 x 5-1/2" | 2 |
| HWC06222 | UNF | Plain w/ Nylon Patch | 7/8"-14 x 2-1/4" | 1 |
| HWC06250 | UNC | Zinc Yellow | 5/8"-11 x 4-3/4" | 4 |
| HWC06273 | UNF | Plain | 1"-14 x 5-1/2" | 1 |
| HWC06510 | UNF | Zinc Gold / Yellow | 7/16"-20 x 2" | 25 |
| HWC06534 | UNC | Zinc Yellow | 1/2"-13 x 6" | 10 |
| HWC06553 | UNC | Zinc Yellow | 1/2"-13 x 1-1/2" | 10 |
| HWC06600 | UNF | Plain | 3/8"-24 x 19/32" | 4 |
| HWC06622 | UNC | Zinc Yellow w/ Nylon Patch | 5/8"-11 x 2-1/2" | 10 |
| HWC06628 | UNC | Zinc Yellow | 5/8"-11 x 3-1/4" | 4 |
| HWC06630 | UNC | Zinc Yellow | 5/8"-11 x 4-1/4" | 4 |
| HWC06636 | UNF | Plain | 5/8"-18 x 5" | 4 |
| HWC06658 | UNF | Zinc Gold / Yellow | 7/16"-20 x 1-3/4" | 25 |
| HWC06838 | UNC | Zinc Yellow w/ Nylon Patch | 5/8"-11 x 2" Full Thread | 5 |
| HWC07125 | UNC | Zinc Yellow w/ Nylon Patch | 7/16"-14 x 2-1/2" | 25 |
| HWC07153 | UNF | Plain | 7/8"-14 x 3-3/4" | 4 |
| HWC07155 | UNF | Plain | 7/8"-14 x 4-3/4" | 4 |
| HWC08208 | UNF | Plain | 7/8"-14 x 5-1/4" | 5 |
| HWC09205 | UNC | Zinc Yellow w/ Nylon Patch | 7/16"-14 x 1-1/2" | 10 |
| HWC09215 | UNC | Cadmium | 3/8"-16 x 7" | 4 |
| HWC09239 | UNC | Zinc Yellow w/ Nylon Patch | 7/16"-14 x 2-3/4" | 1 |
| HWC09245 | UNC | Zinc Yellow w/ Nylon Patch | 7/16"-14 x 1-3/4" | 25 |
| HWU00101 | UNC | Zinc Yellow | 1/4"-20 x 1/2" | 100 |
| HWU00114 | UNC | Zinc Yellow | 1/4"-20 x 5/8" | 100 |
| HWU00127 | UNC | Zinc Yellow | 1/4"-20 x 3/4" | 100 |
| HWU00140 | UNC | Zinc Yellow | 1/4"-20 x 7/8" | 100 |
| HWU00153 | UNC | Zinc Yellow | 1/4"-20 x 1" | 100 |
| HWU00166 | UNC | Zinc Yellow | 1/4"-20 x 1-1/4" | 100 |
| HWU00179 | UNC | Zinc Yellow | 1/4"-20 x 1-1/2" | 100 |
| HWU00192 | UNC | Zinc Yellow | 1/4"-20 x 1-3/4" | 100 |
| HWU00205 | UNC | Zinc Yellow | 1/4"-20 x 2" | 100 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|-------------------|------|
| HWU00218 | UNC | Zinc Yellow | 1/4"-20 x 2-1/4" | 100 |
| HWU00231 | UNC | Zinc Yellow | 1/4"-20 x 2-1/2" | 100 |
| HWU00244 | UNC | Zinc Yellow | 1/4"-20 x 2-3/4" | 100 |
| HWU00257 | UNC | Zinc Yellow | 1/4"-20 x 3" | 100 |
| HWU00270 | UNC | Zinc Yellow | 1/4"-20 x 3-1/4" | 50 |
| HWU00283 | UNC | Zinc Yellow | 1/4"-20 x 3-1/2" | 50 |
| HWU00296 | UNC | Zinc Yellow | 1/4"-20 x 3-3/4" | 50 |
| HWU00309 | UNC | Zinc Yellow | 1/4"-20 x 4" | 50 |
| HWU00322 | UNC | Zinc Yellow | 1/4"-20 x 4-1/2" | 50 |
| HWU00335 | UNC | Zinc Yellow | 1/4"-20 x 5" | 50 |
| HWU00361 | UNC | Zinc Yellow | 1/4"-20 x 6" | 50 |
| HWU00374 | UNC | Zinc Yellow | 5/16"-18 x 1/2" | 100 |
| HWU00400 | UNC | Zinc Yellow | 5/16"-18 x 3/4" | 100 |
| HWU00426 | UNC | Zinc Yellow | 5/16"-18 x 1" | 100 |
| HWU00439 | UNC | Zinc Yellow | 5/16"-18 x 1-1/4" | 100 |
| HWU00452 | UNC | Zinc Yellow | 5/16"-18 x 1-1/2" | 100 |
| HWU00465 | UNC | Zinc Yellow | 5/16"-18 x 1-3/4" | 100 |
| HWU00478 | UNC | Zinc Yellow | 5/16"-18 x 2" | 100 |
| HWU00491 | UNC | Zinc Yellow | 5/16"-18 x 2-1/4" | 100 |
| HWU00504 | UNC | Zinc Yellow | 5/16"-18 x 2-1/2" | 100 |
| HWU00517 | UNC | Zinc Yellow | 5/16"-18 x 2-3/4" | 100 |
| HWU00530 | UNC | Zinc Yellow | 5/16"-18 x 3" | 100 |
| HWU00543 | UNC | Zinc Yellow | 5/16"-18 x 3-1/4" | 50 |
| HWU00556 | UNC | Zinc Yellow | 5/16"-18 x 3-1/2" | 50 |
| HWU00569 | UNC | Zinc Yellow | 5/16"-18 x 3-3/4" | 50 |
| HWU00582 | UNC | Zinc Yellow | 5/16"-18 x 4" | 50 |
| HWU00595 | UNC | Zinc Yellow | 5/16"-18 x 4-1/2" | 50 |
| HWU00608 | UNC | Zinc Yellow | 5/16"-18 x 5" | 50 |
| HWU00621 | UNC | Zinc Yellow | 5/16"-18 x 5-1/2" | 50 |
| HWU00634 | UNC | Zinc Yellow | 5/16"-18 x 6" | 50 |
| HWU00647 | UNC | Zinc Yellow | 3/8"-16 x 1/2" | 100 |
| HWU00660 | UNC | Zinc Yellow | 3/8"-16 x 5/8" | 100 |
| HWU00673 | UNC | Zinc Yellow | 3/8"-16 x 3/4" | 100 |
| HWU00686 | UNC | Zinc Yellow | 3/8"-16 x 7/8" | 100 |
| HWU00699 | UNC | Zinc Yellow | 3/8"-16 x 1" | 100 |
| HWU00712 | UNC | Zinc Yellow | 3/8"-16 x 1-1/4" | 100 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|-------------------|------|
| HWU00725 | UNC | Zinc Yellow | 3/8"-16 x 1-1/2" | 100 |
| HWU00738 | UNC | Zinc Yellow | 3/8"-16 x 1-3/4" | 100 |
| HWU00751 | UNC | Zinc Yellow | 3/8"-16 x 2" | 100 |
| HWU00764 | UNC | Zinc Yellow | 3/8"-16 x 2-1/4" | 100 |
| HWU00777 | UNC | Zinc Yellow | 3/8"-16 x 2-1/2" | 100 |
| HWU00790 | UNC | Zinc Yellow | 3/8"-16 x 2-3/4" | 100 |
| HWU00803 | UNC | Zinc Yellow | 3/8"-16 x 3" | 100 |
| HWU00816 | UNC | Zinc Yellow | 3/8"-16 x 3-1/4" | 50 |
| HWU00829 | UNC | Zinc Yellow | 3/8"-16 x 3-1/2" | 50 |
| HWU00842 | UNC | Zinc Yellow | 3/8"-16 x 3-3/4" | 50 |
| HWU00855 | UNC | Zinc Yellow | 3/8"-16 x 4" | 50 |
| HWU00868 | UNC | Zinc Yellow | 3/8"-16 x 4-1/2" | 50 |
| HWU00881 | UNC | Zinc Yellow | 3/8"-16 x 5" | 50 |
| HWU00894 | UNC | Zinc Yellow | 3/8"-16 x 5-1/2" | 50 |
| HWU00907 | UNC | Zinc Yellow | 3/8"-16 x 6" | 50 |
| HWU00920 | UNC | Zinc Yellow | 7/16"-14 x 3/4" | 100 |
| HWU00946 | UNC | Zinc Yellow | 7/16"-14 x 1" | 100 |
| HWU00959 | UNC | Zinc Yellow | 7/16"-14 x 1-1/4" | 50 |
| HWU00972 | UNC | Zinc Yellow | 7/16"-14 x 1-1/2" | 50 |
| HWU00985 | UNC | Zinc Yellow | 7/16"-14 x 1-3/4" | 50 |
| HWU00998 | UNC | Zinc Yellow | 7/16"-14 x 2" | 50 |
| HWU01011 | UNC | Zinc Yellow | 7/16"-14 x 2-1/4" | 50 |
| HWU01024 | UNC | Zinc Yellow | 7/16"-14 x 2-1/2" | 50 |
| HWU01037 | UNC | Zinc Yellow | 7/16"-14 x 2-3/4" | 50 |
| HWU01050 | UNC | Zinc Yellow | 7/16"-14 x 3" | 50 |
| HWU01063 | UNC | Zinc Yellow | 7/16"-14 x 3-1/4" | 10 |
| HWU01076 | UNC | Zinc Yellow | 7/16"-14 x 3-1/2" | 10 |
| HWU01089 | UNC | Zinc Yellow | 7/16"-14 x 3-3/4" | 10 |
| HWU01102 | UNC | Zinc Yellow | 7/16"-14 x 4" | 10 |
| HWU01115 | UNC | Zinc Yellow | 7/16"-14 x 4-1/2" | 10 |
| HWU01128 | UNC | Zinc Yellow | 7/16"-14 x 5" | 10 |
| HWU01141 | UNC | Zinc Yellow | 7/16"-14 x 5-1/2" | 10 |
| HWU01154 | UNC | Zinc Yellow | 7/16"-14 x 6" | 10 |
| HWU01167 | UNC | Zinc Yellow | 1/2"-13 x 1" | 50 |
| HWU01180 | UNC | Zinc Yellow | 1/2"-13 x 1-1/4" | 50 |
| HWU01193 | UNC | Plain | 1/2"-13 x 1-1/2" | 50 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|-------------------|------|
| HWU01219 | UNC | Zinc Yellow | 1/2"-13 x 2" | 50 |
| HWU01232 | UNC | Zinc Yellow | 1/2"-13 x 2-1/4" | 50 |
| HWU01245 | UNC | Zinc Yellow | 1/2"-13 x 2-1/2" | 50 |
| HWU01258 | UNC | Zinc Yellow | 1/2"-13 x 2-3/4" | 50 |
| HWU01271 | UNC | Zinc Yellow | 1/2"-13 x 3" | 50 |
| HWU01284 | UNC | Zinc Yellow | 1/2"-13 x 3-1/4" | 10 |
| HWU01310 | UNC | Zinc Yellow | 1/2"-13 x 3-3/4" | 10 |
| HWU01323 | UNC | Zinc Yellow | 1/2"-13 x 4" | 10 |
| HWU01336 | UNC | Zinc Yellow | 1/2"-13 x 4-1/2" | 10 |
| HWU01349 | UNC | Zinc Yellow | 1/2"-13 x 5" | 10 |
| HWU01388 | UNC | Zinc Yellow | 1/2"-13 x 6-1/2" | 10 |
| HWU01401 | UNC | Zinc Yellow | 1/2"-13 x 7" | 10 |
| HWU01440 | UNC | Zinc Yellow | 9/16"-12 x 1" | 25 |
| HWU01453 | UNC | Zinc Yellow | 9/16"-12 x 1-1/4" | 25 |
| HWU01466 | UNC | Zinc Yellow | 9/16"-12 x 1-1/2" | 25 |
| HWU01479 | UNC | Zinc Yellow | 9/16"-12 x 1-3/4" | 25 |
| HWU01492 | UNC | Zinc Yellow | 9/16"-12 x 2" | 25 |
| HWU01505 | UNC | Zinc Yellow | 9/16"-12 x 2-1/4" | 10 |
| HWU01518 | UNC | Zinc Yellow | 9/16"-12 x 2-1/2" | 10 |
| HWU01531 | UNC | Zinc Yellow | 9/16"-12 x 2-3/4" | 10 |
| HWU01544 | UNC | Zinc Yellow | 9/16"-12 x 3" | 10 |
| HWU01570 | UNC | Zinc Yellow | 9/16"-12 x 3-1/2" | 10 |
| HWU01596 | UNC | Zinc Yellow | 9/16"-12 x 4" | 10 |
| HWU01609 | UNC | Zinc Yellow | 9/16"-12 x 4-1/2" | 10 |
| HWU01622 | UNC | Zinc Yellow | 9/16"-12 x 5" | 10 |
| HWU01635 | UNC | Zinc Yellow | 9/16"-12 x 5-1/2" | 10 |
| HWU01648 | UNC | Zinc Yellow | 9/16"-12 x 6" | 10 |
| HWU01661 | UNC | Zinc Yellow | 5/8"-11 x 1" | 25 |
| HWU01674 | UNC | Zinc Yellow | 5/8"-11 x 1-1/4" | 25 |
| HWU01687 | UNC | Zinc Yellow | 5/8"-11 x 1-1/2" | 25 |
| HWU01700 | UNC | Zinc Yellow | 5/8"-11 x 1-3/4" | 25 |
| HWU01726 | UNC | Zinc Yellow | 5/8"-11 x 2-1/4" | 10 |
| HWU01739 | UNC | Zinc Yellow | 5/8"-11 x 2-1/2" | 10 |
| HWU01752 | UNC | Zinc Yellow | 5/8"-11 x 2-3/4" | 10 |
| HWU01765 | UNC | Zinc Yellow | 5/8"-11 x 3" | 10 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|------------------|------|
| HWU01778 | UNC | Zinc Yellow | 5/8"-11 x 3-1/4" | 10 |
| HWU01791 | UNC | Zinc Yellow | 5/8"-11 x 3-1/2" | 10 |
| HWU01804 | UNC | Zinc Yellow | 5/8"-11 x 3-3/4" | 10 |
| HWU01817 | UNC | Zinc Yellow | 5/8"-11 x 4" | 10 |
| HWU01830 | UNC | Zinc Yellow | 5/8"-11 x 4-1/2" | 10 |
| HWU01843 | UNC | Zinc Yellow | 5/8"-11 x 5" | 10 |
| HWU01856 | UNC | Zinc Yellow | 5/8"-11 x 5-1/2" | 10 |
| HWU01869 | UNC | Zinc Yellow | 5/8"-11 x 6" | 10 |
| HWU01882 | UNC | Zinc Yellow | 5/8"-11 x 7" | 10 |
| HWU01895 | UNC | Zinc Yellow | 5/8"-11 x 7-1/2" | 10 |
| HWU01908 | UNC | Zinc Yellow | 5/8"-11 x 8" | 10 |
| HWU01934 | UNC | Zinc Yellow | 5/8"-11 x 9" | 10 |
| HWU01947 | UNC | Zinc Yellow | 3/4"-10 x 1-1/4" | 10 |
| HWU01960 | UNC | Zinc Yellow | 3/4"-10 x 1-1/2" | 10 |
| HWU01973 | UNC | Zinc Yellow | 3/4"-10 x 1-3/4" | 10 |
| HWU01986 | UNC | Zinc Yellow | 3/4"-10 x 2" | 10 |
| HWU01999 | UNC | Zinc Yellow | 3/4"-10 x 2-1/4" | 10 |
| HWU02012 | UNC | Zinc Yellow | 3/4"-10 x 2-1/2" | 10 |
| HWU02025 | UNC | Zinc Yellow | 3/4"-10 x 2-3/4" | 10 |
| HWU02038 | UNC | Zinc Yellow | 3/4"-10 x 3" | 10 |
| HWU02051 | UNC | Zinc Yellow | 3/4"-10 x 3-1/4" | 10 |
| HWU02064 | UNC | Zinc Yellow | 3/4"-10 x 3-1/2" | 10 |
| HWU02077 | UNC | Zinc Yellow | 3/4"-10 x 3-3/4" | 10 |
| HWU02090 | UNC | Zinc Yellow | 3/4"-10 x 4" | 10 |
| HWU02103 | UNC | Zinc Yellow | 3/4"-10 x 4-1/2" | 10 |
| HWU02116 | UNC | Zinc Yellow | 3/4"-10 x 5" | 10 |
| HWU02129 | UNC | Zinc Yellow | 3/4"-10 x 5-1/2" | 10 |
| HWU02142 | UNC | Zinc Yellow | 3/4"-10 x 6" | 10 |
| HWU02155 | UNC | Zinc Yellow | 3/4"-10 x 7" | 10 |
| HWU02168 | UNC | Zinc Yellow | 7/8"-9 x 2" | 15 |
| HWU02194 | UNC | Zinc Yellow | 7/8"-9 x 2-1/2" | 15 |
| HWU02220 | UNC | Zinc Yellow | 7/8"-9 x 3" | 15 |
| HWU02246 | UNC | Zinc Yellow | 7/8"-9 x 3-1/2" | 15 |
| HWU02272 | UNC | Zinc Yellow | 7/8"-9 x 4" | 15 |
| HWU02285 | UNC | Zinc Yellow | 7/8"-9 x 4-1/2" | 15 |
| HWU02298 | UNC | Zinc Yellow | 7/8"-9 x 5" | 15 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|-------------------|------|
| HWU02311 | UNC | Zinc Yellow | 7/8"-9 x 5-1/2" | 15 |
| HWU02324 | UNC | Zinc Yellow | 7/8"-9 x 6" | 15 |
| HWU02337 | UNC | Zinc Yellow | 1"-8 x 2" | 10 |
| HWU02363 | UNC | Zinc Yellow | 1"-8 x 2-1/2" | 10 |
| HWU02389 | UNC | Zinc Yellow | 1"-8 x 3" | 10 |
| HWU02415 | UNC | Zinc Yellow | 1"-8 x 3-1/2" | 10 |
| HWU02428 | UNC | Zinc Yellow | 1"-8 x 3-3/4" | 10 |
| HWU02441 | UNC | Zinc Yellow | 1"-8 x 4" | 10 |
| HWU02454 | UNC | Zinc Yellow | 1"-8 x 4-1/2" | 10 |
| HWU02467 | UNC | Zinc Yellow | 1"-8 x 5" | 10 |
| HWU02493 | UNC | Zinc Yellow | 1"-8 x 6" | 10 |
| HWU02506 | UNF | Zinc Yellow | 1/4"-28 x 1/2" | 100 |
| HWU02532 | UNF | Zinc Yellow | 1/4"-28 x 3/4" | 100 |
| HWU02558 | UNF | Zinc Yellow | 1/4"-28 x 1" | 100 |
| HWU02571 | UNF | Zinc Yellow | 1/4"-28 x 1-1/4" | 100 |
| HWU02584 | UNF | Zinc Yellow | 1/4"-28 x 1-1/2" | 100 |
| HWU02597 | UNF | Zinc Yellow | 1/4"-28 x 1-3/4" | 100 |
| HWU02610 | UNF | Zinc Yellow | 1/4"-28 x 2" | 100 |
| HWU02636 | UNF | Zinc Yellow | 1/4"-28 x 2-1/2" | 100 |
| HWU02649 | UNF | Zinc Yellow | 1/4"-28 x 2-3/4" | 100 |
| HWU02662 | UNF | Zinc Yellow | 1/4"-28 x 3" | 100 |
| HWU02688 | UNF | Zinc Yellow | 1/4"-28 x 3-1/2" | 50 |
| HWU02714 | UNF | Zinc Yellow | 1/4"-28 x 4" | 25 |
| HWU02727 | UNF | Zinc Yellow | 1/4"-28 x 4-1/2" | 50 |
| HWU02740 | UNF | Zinc Yellow | 1/4"-28 x 5" | 50 |
| HWU02766 | UNF | Zinc Yellow | 1/4"-28 x 6" | 50 |
| HWU02779 | UNF | Zinc Yellow | 5/16"-24 x 1/2" | 100 |
| HWU02805 | UNF | Zinc Yellow | 5/16"-24 x 3/4" | 100 |
| HWU02831 | UNF | Zinc Yellow | 5/16"-24 x 1" | 100 |
| HWU02844 | UNF | Zinc Yellow | 5/16"-24 x 1-1/4" | 100 |
| HWU02857 | UNF | Zinc Yellow | 5/16"-24 x 1-1/2" | 100 |
| HWU02870 | UNF | Zinc Yellow | 5/16"-24 x 1-3/4" | 100 |
| HWU02883 | UNF | Zinc Yellow | 5/16"-24 x 2" | 100 |
| HWU02896 | UNF | Zinc Yellow | 5/16"-24 x 2-1/4" | 100 |
| HWU02909 | UNF | Zinc Yellow | 5/16"-24 x 2-1/2" | 100 |
| HWU02922 | UNF | Zinc Yellow | 5/16"-24 x 2-3/4" | 100 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|-------------------|------|
| HWU02935 | UNF | Zinc Yellow | 5/16"-24 x 3" | 100 |
| HWU02961 | UNF | Zinc Yellow | 5/16"-24 x 3-1/2" | 50 |
| HWU02974 | UNF | Zinc Yellow | 5/16"-24 x 3-3/4" | 50 |
| HWU02987 | UNF | Zinc Yellow | 5/16"-24 x 4" | 50 |
| HWU03000 | UNF | Zinc Yellow | 5/16"-24 x 4-1/2" | 50 |
| HWU03013 | UNF | Zinc Yellow | 5/16"-24 x 5" | 50 |
| HWU03026 | UNF | Zinc Yellow | 5/16"-24 x 5-1/2" | 10 |
| HWU03039 | UNF | Zinc Yellow | 5/16"-24 x 6" | 50 |
| HWU03052 | UNF | Zinc Yellow | 3/8"-24 x 1/2" | 100 |
| HWU03078 | UNF | Zinc Yellow | 3/8"-24 x 3/4" | 100 |
| HWU03104 | UNF | Zinc Yellow | 3/8"-24 x 1" | 100 |
| HWU03117 | UNF | Zinc Yellow | 3/8"-24 x 1-1/4" | 100 |
| HWU03130 | UNF | Zinc Yellow | 3/8"-24 x 1-1/2" | 100 |
| HWU03143 | UNF | Zinc Yellow | 3/8"-24 x 1-3/4" | 100 |
| HWU03156 | UNF | Zinc Yellow | 3/8"-24 x 2" | 100 |
| HWU03169 | UNF | Zinc Yellow | 3/8"-24 x 2-1/4" | 100 |
| HWU03182 | UNF | Zinc Yellow | 3/8"-24 x 2-1/2" | 100 |
| HWU03195 | UNF | Zinc Yellow | 3/8"-24 x 2-3/4" | 100 |
| HWU03208 | UNF | Zinc Yellow | 3/8"-24 x 3" | 100 |
| HWU03221 | UNF | Zinc Yellow | 3/8"-24 x 3-1/4" | 50 |
| HWU03234 | UNF | Zinc Yellow | 3/8"-24 x 3-1/2" | 50 |
| HWU03260 | UNF | Zinc Yellow | 3/8"-24 x 4" | 50 |
| HWU03273 | UNF | Zinc Yellow | 3/8"-24 x 4-1/2" | 50 |
| HWU03286 | UNF | Zinc Yellow | 3/8"-24 x 5" | 25 |
| HWU03312 | UNF | Zinc Yellow | 3/8"-24 x 6" | 50 |
| HWU03351 | UNF | Zinc Yellow | 7/16"-20 x 1" | 100 |
| HWU03364 | UNF | Zinc Yellow | 7/16"-20 x 1-1/4" | 50 |
| HWU03377 | UNF | Zinc Yellow | 7/16"-20 x 1-1/2" | 50 |
| HWU03403 | UNF | Zinc Yellow | 7/16"-20 x 2" | 50 |
| HWU03429 | UNF | Zinc Yellow | 7/16"-20 x 2-1/2" | 50 |
| HWU03442 | UNF | Zinc Yellow | 7/16"-20 x 2-3/4" | 50 |
| HWU03481 | UNF | Zinc Yellow | 7/16"-20 x 3-1/2" | 25 |
| HWU03507 | UNF | Zinc Yellow | 7/16"-20 x 4" | 10 |
| HWU03520 | UNF | Zinc Yellow | 7/16"-20 x 4-1/2" | 10 |
| HWU03533 | UNF | Zinc Yellow | 7/16"-20 x 5" | 10 |
| HWU03546 | UNF | Zinc Yellow | 7/16"-20 x 5-1/2" | 10 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|-------------------|------|
| HWU03559 | UNF | Zinc Yellow | 7/16"-20 x 6" | 10 |
| HWU03572 | UNF | Zinc Yellow | 1/2"-20 x 3/4" | 50 |
| HWU03598 | UNF | Zinc Yellow | 1/2"-20 x 1" | 50 |
| HWU03611 | UNF | Zinc Yellow | 1/2"-20 x 1-1/4" | 50 |
| HWU03624 | UNF | Zinc Yellow | 1/2"-20 x 1-1/2" | 50 |
| HWU03637 | UNF | Zinc Yellow | 1/2"-20 x 1-3/4" | 50 |
| HWU03650 | UNF | Zinc Yellow | 1/2"-20 x 2" | 50 |
| HWU03663 | UNF | Zinc Yellow | 1/2"-20 x 2-1/4" | 50 |
| HWU03676 | UNF | Zinc Yellow | 1/2"-20 x 2-1/2" | 50 |
| HWU03689 | UNF | Zinc Yellow | 1/2"-20 x 2-3/4" | 50 |
| HWU03702 | UNF | Zinc Yellow | 1/2"-20 x 3" | 50 |
| HWU03715 | UNF | Zinc Yellow | 1/2"-20 x 3-1/4" | 25 |
| HWU03728 | UNF | Zinc Yellow | 1/2"-20 x 3-1/2" | 25 |
| HWU03741 | UNF | Zinc Yellow | 1/2"-20 x 3-3/4" | 25 |
| HWU03767 | UNF | Zinc Yellow | 1/2"-20 x 4-1/2" | 25 |
| HWU03780 | UNF | Zinc Yellow | 1/2"-20 x 5" | 25 |
| HWU03793 | UNF | Zinc Yellow | 1/2"-20 x 5-1/2" | 25 |
| HWU03806 | UNF | Zinc Yellow | 1/2"-20 x 6" | 25 |
| HWU03819 | UNF | Zinc Yellow | 1/2"-20 x 6-1/2" | 25 |
| HWU03832 | UNF | Zinc Yellow | 1/2"-20 x 7" | 25 |
| HWU03845 | UNF | Zinc Yellow | 9/16"-18 x 1" | 25 |
| HWU03858 | UNF | Zinc Yellow | 9/16"-18 x 1-1/4" | 25 |
| HWU03871 | UNF | Zinc Yellow | 9/16"-18 x 1-1/2" | 25 |
| HWU03884 | UNF | Zinc Yellow | 9/16"-18 x 1-3/4" | 25 |
| HWU03897 | UNF | Zinc Yellow | 9/16"-18 x 2" | 25 |
| HWU03910 | UNF | Zinc Yellow | 9/16"-18 x 2-1/4" | 25 |
| HWU03923 | UNF | Zinc Yellow | 9/16"-18 x 2-1/2" | 25 |
| HWU03949 | UNF | Zinc Yellow | 9/16"-18 x 3" | 25 |
| HWU03975 | UNF | Zinc Yellow | 9/16"-18 x 3-1/2" | 2 |
| HWU04001 | UNF | Zinc Yellow | 9/16"-18 x 4" | 25 |
| HWU04014 | UNF | Zinc Yellow | 9/16"-18 x 4-1/2" | 25 |
| HWU04040 | UNF | Zinc Yellow | 9/16"-18 x 5-1/2" | 25 |
| HWU04066 | UNF | Zinc Yellow | 5/8"-18 x 1" | 25 |
| HWU04079 | UNF | Zinc Yellow | 5/8"-18 x 1-1/4" | 25 |
| HWU04092 | UNF | Zinc Yellow | 5/8"-18 x 1-1/2" | 25 |
| HWU04105 | UNF | Zinc Yellow | 5/8"-18 x 1-3/4" | 25 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|-------------------|------|
| HWU04118 | UNF | Zinc Yellow | 5/8"-18 x 2" | 25 |
| HWU04131 | UNF | Zinc Yellow | 5/8"-18 x 2-1/4" | 25 |
| HWU04144 | UNF | Zinc Yellow | 5/8"-18 x 2-1/2" | 10 |
| HWU04157 | UNF | Zinc Yellow | 5/8"-18 x 2-3/4" | 10 |
| HWU04170 | UNF | Zinc Yellow | 5/8"-18 x 3" | 10 |
| HWU04196 | UNF | Zinc Yellow | 5/8"-18 x 3-1/2" | 10 |
| HWU04209 | UNF | Zinc Yellow | 5/8"-18 x 3-3/4" | 10 |
| HWU04222 | UNF | Zinc Yellow | 5/8"-18 x 4" | 10 |
| HWU04235 | UNF | Zinc Yellow | 5/8"-18 x 4-1/2" | 10 |
| HWU04248 | UNF | Zinc Yellow | 5/8"-18 x 5" | 10 |
| HWU04261 | UNF | Zinc Yellow | 5/8"-18 x 5-1/2" | 10 |
| HWU04274 | UNF | Zinc Yellow | 5/8"-18 x 6" | 10 |
| HWU04287 | UNF | Zinc Yellow | 5/8"-18 x 6-1/2" | 10 |
| HWU04300 | UNF | Zinc Yellow | 5/8"-18 x 7" | 10 |
| HWU04313 | UNF | Zinc Yellow | 5/8"-18 x 7-1/2" | 10 |
| HWU04326 | UNF | Zinc Yellow | 5/8"-18 x 8" | 10 |
| HWU04339 | UNF | Zinc Yellow | 5/8"-18 x 8-1/2" | 10 |
| HWU04352 | UNF | Zinc Yellow | 5/8"-18 x 9" | 10 |
| HWU04365 | UNF | Zinc Yellow | 5/8"-18 x 9-1/2" | 10 |
| HWU04378 | UNF | Zinc Yellow | 5/8"-18 x 10" | 10 |
| HWU04391 | UNF | Zinc Yellow | 5/8"-18 x 10-1/2" | 10 |
| HWU04404 | UNF | Zinc Yellow | 5/8"-18 x 11" | 5 |
| HWU04417 | UNF | Zinc Yellow | 3/4"-16 x 1-1/4" | 10 |
| HWU04430 | UNF | Zinc Yellow | 3/4"-16 x 1-1/2" | 10 |
| HWU04443 | UNF | Zinc Yellow | 3/4"-16 x 1-3/4" | 10 |
| HWU04456 | UNF | Zinc Yellow | 3/4"-16 x 2" | 10 |
| HWU04469 | UNF | Zinc Yellow | 3/4"-16 x 2-1/4" | 10 |
| HWU04482 | UNF | Zinc Yellow | 3/4"-16 x 2-1/2" | 10 |
| HWU04495 | UNF | Zinc Yellow | 3/4"-16 x 2-3/4" | 10 |
| HWU04508 | UNF | Zinc Yellow | 3/4"-16 x 3" | 10 |
| HWU04521 | UNF | Zinc Yellow | 3/4"-16 x 3-1/4" | 10 |
| HWU04534 | UNF | Zinc Yellow | 3/4"-16 x 3-1/2" | 10 |
| HWU04586 | UNF | Zinc Yellow | 3/4"-16 x 5" | 10 |
| HWU04599 | UNF | Zinc Yellow | 3/4"-16 x 5-1/2" | 10 |
| HWU04612 | UNF | Zinc Yellow | 3/4"-16 x 6" | 10 |
| HWU04625 | UNF | Zinc Yellow | 7/8"-14 x 2" | 15 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|---------------------|------|
| HWU04651 | UNF | Zinc Yellow | 7/8"-14 x 2-1/2" | 15 |
| HWU04677 | UNF | Zinc Yellow | 7/8"-14 x 3" | 15 |
| HWU04690 | UNF | Zinc Yellow | 7/8"-14 x 3-1/4" | 15 |
| HWU04729 | UNF | Zinc Yellow | 7/8"-14 x 4" | 15 |
| HWU04742 | UNF | Zinc Yellow | 7/8"-14 x 4-1/2" | 15 |
| HWU04755 | UNF | Zinc Yellow | 7/8"-14 x 5" | 15 |
| HWU04768 | UNF | Zinc Yellow | 7/8"-14 x 5-1/2" | 15 |
| HWU04781 | UNF | Zinc Yellow | 7/8"-14 x 6" | 15 |
| HWU04794 | UNF | Zinc Yellow | 7/8"-14 x 6-1/2" | 15 |
| HWU04807 | UNF | Zinc Yellow | 7/8"-14 x 7" | 2 |
| HWU04820 | UNF | Zinc Yellow | 7/8"-14 x 7-1/2" | 10 |
| HWU05449 | UNF | Zinc Yellow | 3/4"-16 x 6-1/2" | 20 |
| HWU07043 | UNF | Plain | 3/4"-16 x 10" | 10 |
| HWU07082 | UNF | Plain | 3/4"-16 x 8" | 10 |
| HWU07121 | UNF | Plain | 5/8"-18 x 6-1/2" | 10 |
| HWC06122 | UNC | Zinc Yellow | 3/4"-10NC x 2" | 10 |
| HWC06526 | UNC | Zinc Yellow | 1/2"-13NC x 2-1/2" | 25 |
| HWC06528 | UNC | Zinc Yellow | 1/2"-13NC x 2" | 15 |
| HWC06644 | UNC | Zinc Yellow | 5/8"-11NC x 3" | 10 |
| HWC06913 | UNC | Zinc Yellow | 3/4"-10NC x 2-1/4" | 10 |
| HWC07701 | UNF | n/a | 5/8"-18NF x 3-1/4" | 10 |
| HWC08206 | UNF | Plain | 7/8"-14NF x 4-1/4" | 5 |
| HWC08210 | UNF | Plain | 7/8"-14NF x 6-3/4" | 5 |
| HWC08212 | UNF | Plain | 7/8"-14NF x 7-1/4" | 5 |
| HWU01206 | UNC | Zinc Yellow | 1/2"-13NC x 1-3/4" | 50 |
| HWU01297 | UNC | Zinc Yellow | 1/2"-13NC x 3-1/2" | 10 |
| HWU01362 | UNC | Zinc Yellow | 1/2"-13NC x 5-1/2" | 10 |
| HWU01375 | UNC | Zinc Yellow | 1/2"-13NC x 6" | 10 |
| HWU08031 | UNC | Zinc Clear | 1/4"-20NC x 1-1/4" | 100 |
| HWU08057 | UNC | Zinc Clear | 1/4"-20NC x 1-3/4" | 100 |
| HWU08161 | UNC | Zinc Clear | 5/16"-18NC x 1-3/4" | 100 |

GRADE 10.9 BOLTS (METRIC)

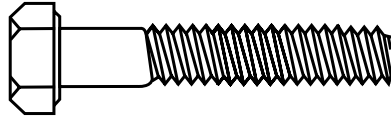


Table 11-9: Fasteners - Bolts - Grade 10.9 (Metric)

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|-----------------------|------|
| HWC06863 | ISO | Nylon Patch | M10-150 x 20, Locking | 25 |

GRADE 10.9 HEX BOLTS (METRIC)



HWC01079



HWC04116

Table 11-10: Fasteners - Hex Bolts - Grade 10.9 (Metric)

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|------------------------|------------------|------|
| HWC00178 | ISO | Magnesium | M20-2.50 x 150mm | 5 |
| HWC00186 | ISO | Magnesium | M16-2.00 x 70mm | 1 |
| HWC01031 | ISO | Cadmium | M12-1.75 x 50mm | 5 |
| HWC01067 | ISO | Plain | M16-2.00 x 45mm | 4 |
| HWC01069 | ISO | Cadmium | M16-2.00 x 50mm | 4 |
| HWC01073 | ISO | Plain | M16-2.00 x 60mm | 4 |
| HWC01075 | ISO | Plain | M16-2.00 x 90mm | 2 |
| HWC01077 | ISO | Plain | M20-2.50 x 110mm | 1 |
| HWC01079 | ISO | Plain | M20-2.50 x 120mm | 2 |
| HWC01081 | ISO | Cadmium | M20-2.50 x 90mm | 2 |
| HWC01085 | ISO | Cadmium | M12-1.75 x 30mm | 10 |
| HWC01091 | ISO | Cadmium | M8-1.25 x 20mm | 10 |
| HWC01093 | ISO | Cadmium | M8-1.25 x 25mm | 25 |
| HWC01095 | ISO | Cadmium | M8-1.25 x 40mm | 25 |
| HWC01101 | ISO | Cadmium w/ Nylon Patch | M10-1.50 x 30mm | 10 |
| HWC01153 | ISO | Cadmium | M16-2.00 x 40mm | 4 |
| HWC01155 | ISO | Cadmium | M16-2.00 x 70mm | 2 |
| HWC01157 | ISO | Plain | M20-2.50 x 140mm | 1 |
| HWC01163 | ISO | Cadmium | M6-1.00 x 60mm | 25 |
| HWC01167 | ISO | Cadmium | M10-1.50 x 70mm | 10 |
| HWC01171 | ISO | Cadmium w/ Nylon Patch | M12-1.75 x 60mm | 10 |
| HWC01193 | ISO | Cadmium | M20-2.50 x 110mm | 1 |
| HWC01195 | ISO | Cadmium | M16-2.00 x 80mm | 4 |
| HWC01199 | ISO | Chrome | M12-1.75 x 60mm | 2 |
| HWC01311 | ISO | Cadmium | M6-1.00 x 40mm | 25 |
| HWC01313 | ISO | Cadmium | M6-1.00 x 20mm | 50 |
| HWC01872 | ISO | Cadmium | M10-1.50 x 130mm | 1 |
| HWC01874 | ISO | Zinc Olive Drab | M12-1.75 x 170mm | 2 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|---------------------------|------------------------|------|
| HWC04004 | ISO | Cadmium w/ Nylon Patch | M12-1.75 x 30mm | 25 |
| HWC04026 | ISO | Cadmium w/ Nylon Patch | M8-1.25 x 20mm | 50 |
| HWC04046 | ISO | Plain | M12-1.75 x 60mm | 5 |
| HWC04104 | ISO | Zinc Black | M8-1.25 x 30mm | 25 |
| HWC04110 | ISO | Cadmium | M10-1.50 x 90mm | 4 |
| HWC04114 | ISO | Cadmium | M16-2.00 x 160mm | 2 |
| HWC04116 | ISO | Cadmium | M16-2.00 x 260mm | 1 |
| HWC04118 | ISO | Cadmium | M20-2.50 x 130mm | 1 |
| HWC04149 | ISO | Cadmium | M10-1.50 x 100mm | 10 |
| HWC04205 | ISO | Cadmium | M8-1.25 x 35mm | 50 |
| HWC04224 | ISO | Plain | M12-1.75 x 80mm | 10 |
| HWC04226 | ISO | Plain | M12-1.75 x 90mm | 2 |
| HWC04228 | ISO | Cadmium w/ Nylon Patch | M12-1.75 x 50mm | 10 |
| HWC04232 | ISO | Cadmium w/ Nylon Patch | M6-1.00 x 25mm | 50 |
| HWC04238 | ISO | Cadmium w/ Nylon Patch | M8-1.25 x 30mm | 15 |
| HWC04240 | ISO | Cadmium w/ Nylon Patch | M10-1.50 x 90mm | 4 |
| HWC04242 | ISO | Cadmium | M10-1.50 x 110mm | 5 |
| HWC04254 | ISO | Cadmium | M10-1.50 x 20mm | 4 |
| HWC04256 | ISO | Cadmium w/ Nylon Patch | M10-1.50 x 70mm | 4 |
| HWC04258 | ISO | Cadmium | M10-1.50 x 50mm | 2 |
| HWC04269 | ISO | Cadmium | M10-1.50 x 40mm | 4 |
| HWC04275 | ISO | Steel Zinc w/ Nylon Patch | M8-1.25 x 95mm | 10 |
| HWC04284 | ISO | Cadmium | M12-1.75 x 100mm | 2 |
| HWC04290 | ISO | Cadmium | M12-1.75 x 110mm | 4 |
| HWC04292 | ISO | Plain | M12-1.75 x 110mm | 5 |
| HWC04308 | ISO | Cadmium | M12-1.75 x 180mm | 1 |
| HWC04310 | ISO | Plain | M12-1.75 x 180mm | 2 |
| HWC04312 | ISO | Plain | M12-1.75 x 200mm | 1 |
| HWC04316 | ISO | Chrome | M12-1.75 x 210mm | 1 |
| HWC04321 | ISO | Zinc Black | M8-1.25 x 40mm | 4 |
| HWC04349 | ISO | Cadmium | M10-1.50 x 275mm, ASME | 2 |
| HWC04384 | ISO | Plain | M16-2.00 x 150mm | 4 |
| HWC04386 | ISO | Cadmium | M16-2.00 x 130mm | 2 |
| HWC04389 | ISO | Cadmium | M10-1.50 x 25mm | 25 |
| HWC04402 | ISO | Plain | M16-2.00 x 240mm | 1 |
| HWC04406 | ISO | Plain | M16-2.00 x 280mm | 1 |
| HWC04410 | ISO | Plain | M16-2.00 x 40mm | 15 |
| HWC04418 | ISO | Plain | M16-2.00 x 80mm | 4 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|------------------------|------------------------------|------|
| HWC04420 | ISO | Cadmium | M16-2.00 x 90mm | 4 |
| HWC04424 | ISO | Plain | M16-2.00 x 220mm | 1 |
| HWC04426 | ISO | Cadmium | M20-2.50 x 100mm | 2 |
| HWC04428 | ISO | Cadmium | M20-2.50 x 120mm | 1 |
| HWC04430 | ISO | Plain | M20-2.50 x 130mm | 2 |
| HWC04432 | ISO | Plain | M20-2.50 x 60mm | 4 |
| HWC04434 | ISO | Cadmium | M20-2.50 x 70mm | 2 |
| HWC04444 | ISO | Plain | M20-2.50 x 80mm | 1 |
| HWC04448 | ISO | Plain | M20-2.50 x 90mm | 1 |
| HWC04452 | ISO | Cadmium | M6-1.00 x 50mm | 50 |
| HWC04456 | ISO | Cadmium w/ Nylon Patch | M6-1.00 x 30mm | 10 |
| HWC04458 | ISO | Cadmium w/ Nylon Patch | M6-1.00 x 40mm | 10 |
| HWC04462 | ISO | Cadmium w/ Nylon Patch | M6-1.00 x 15mm | 10 |
| HWC04506 | ISO | Cadmium | M8-1.25 x 50mm | 15 |
| HWC04512 | ISO | Cadmium | M8-1.25 x 90mm | 2 |
| HWC04514 | ISO | Cadmium | M8-1.25 x 100mm | 10 |
| HWC04523 | ISO | Cadmium | M10-1.50 x 20mm | 10 |
| HWC04527 | ISO | Cadmium w/ Nylon Patch | M8-1.25 x 25mm | 50 |
| HWC04532 | ISO | Cadmium | M10-1.50 x 150mm | 1 |
| HWC04572 | ISO | Plain | M12-1.75 x 30mm | 25 |
| HWC04584 | ISO | Cadmium | M20-2.50 x 140mm | 1 |
| HWC04590 | ISO | Cadmium | M16-2.00 x 290mm | 1 |
| HWC04592 | ISO | Cadmium w/ Nylon Patch | M6-1.00 x 50mm | 4 |
| HWC04596 | ISO | Zinc Black | M6-1.00 x 20mm | 4 |
| HWC04705 | ISO | Cadmium | M10-1.50 x 60mm, ASME | 25 |
| HWC04706 | ISO | Plain | M16-2.00 x 170mm | 4 |
| HWC04710 | ISO | Plain | M16-2.00 x 200mm | 1 |
| HWC04712 | ISO | Cadmium | M8-1.25 x 60mm | 10 |
| HWC04718 | ISO | Plain | M16-2.00 x 130mm | 4 |
| HWC04722 | ISO | Plain | M16-2.00 x 160mm | 2 |
| HWC04758 | ISO | Plain | M16-2.00 x 210mm | 4 |
| HWC04859 | ISO | Zinc Black | M8-1.25 x 50mm | 2 |
| HWC06052 | ISO | Zinc Olive Drab | M10-1.50 x 90mm, Full Thread | 2 |
| HWC06264 | ISO | Zinc Olive Drab | M10-1.50 x 20mm | 25 |
| HWC06268 | ISO | Zinc Olive Drab | M10-1.50 x 135mm | 1 |
| HWC06270 | ISO | Zinc Olive Drab | M10-1.50 x 45mm | 25 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------------|------------------|------|
| HWC06274 | ISO | Zinc Olive Drab | M10-1.50 x 30mm | 50 |
| HWC06280 | ISO | Zinc Olive Drab | M10-1.50 x 35mm | 15 |
| HWC06284 | ISO | Zinc Olive Drab | M10-1.50 x 90mm | 2 |
| HWC06286 | ISO | Zinc Olive Drab | M12-1.75 x 230mm | 1 |
| HWC06288 | ISO | Zinc Olive Drab | M12-1.75 x 45mm | 15 |
| HWC06296 | ISO | Zinc Olive Drab | M12-1.75 x 160mm | 1 |
| HWC06300 | ISO | Zinc Olive Drab | M12-1.75 x 140mm | 1 |
| HWC06314 | ISO | Zinc Olive Drab | M12-1.75 x 180mm | 1 |
| HWC06320 | ISO | Zinc Olive Drab | M12-1.75 x 70mm | 2 |
| HWC06322 | ISO | Zinc Olive Drab | M12-1.75 x 80mm | 10 |
| HWC06326 | ISO | Zinc Olive Drab | M12-1.75 x 120mm | 2 |
| HWC06338 | ISO | Zinc Olive Drab | M16-2.00 x 260mm | 1 |
| HWC06340 | ISO | Zinc Olive Drab | M16-2.00 x 280mm | 1 |
| HWC06346 | ISO | Plain | M16-2.00 x 50mm | 4 |
| HWC06372 | ISO | Zinc Olive Drab | M16-2.00 x 240mm | 1 |
| HWC06382 | ISO | Zinc Olive Drab | M16-2.00 x 90mm | 1 |
| HWC06408 | ISO | Zinc Olive Drab | M10-1.50 x 25mm | 5 |
| HWC06461 | ISO | Zinc Olive Drab | M12-1.75 x 200mm | 1 |
| HWC06507 | ISO | Zinc Olive Drab | M16-2.00 x 205mm | 1 |
| HWC06513 | ISO | Zinc Olive Drab | M16-2.00 x 230mm | 1 |
| HWC06527 | ISO | Zinc Olive Drab | M8-1.25 x 35mm | 25 |
| HWC06571 | ISO | Zinc Olive Drab | M8-1.25 x 45mm | 10 |
| HWC06668 | ISO | Zinc Olive Drab | M10-1.50 x 40mm | 15 |
| HWC06674 | ISO | Zinc Olive Drab | M12-1.75 x 220mm | 1 |
| HWC06676 | ISO | Zinc Olive Drab | M16-2.00 x 60mm | 4 |
| HWC06678 | ISO | Zinc Olive Drab | M8-1.25 x 30mm | 50 |
| HWC06689 | ISO | Zinc Olive Drab | M12-1.75 x 240mm | 1 |
| HWC06827 | ISO | Zinc Olive Drab | M8-1.25 x 90mm | 1 |
| HWC06871 | ISO | Zinc Olive Drab | M10-1.50 x 16mm | 1 |
| HWC06905 | ISO | Zinc Olive Drab | M8-1.25 x 100mm | 4 |
| HWC06919 | ISO | Zinc Olive Drab | M6-1.00 x 20mm | 10 |
| HWC06963 | ISO | Zinc Olive Drab | M12-1.75 x 35mm | 5 |
| HWC07037 | ISO | Zinc Olive Drab | M10-1.50 x 110mm | 10 |
| HWC07039 | ISO | Zinc | M16-2.00 x 190mm | 5 |
| HWC07043 | ISO | Cadmium | M8-1.25 x 110mm | 5 |
| HWC07183 | ISO | Cadmium w/Nylon Patch | M10-1.50 x 35mm | 25 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|--------------------------------|------------------|------|
| HWC07205 | ISO | Zinc Olive Drab w/ Nylon Patch | M10-1.50 x 25mm | 10 |
| HWC07247 | ISO | Cadmium w/ Nylon Patch | M8-1.25 x 100mm | 5 |
| HWC08045 | ISO | Plain | M16-2.00 x 300mm | 2 |
| HWC09180 | ISO | Zinc Olive Drab | M20-2.50 x 180mm | 1 |
| HWC09208 | ISO | Cadmium | M8-1.25 x 70mm | 10 |
| HWC09238 | ISO | Plain | M12-1.75 x 170mm | 1 |
| HWC10050 | ISO | Cadmium | M10-1.50 x 30mm | 15 |
| HWC12390 | ISO | Cadmium | M6-1.00 x 16mm | 50 |
| HWC12452 | ISO | Cadmium | M8-1.25 x 30mm | 20 |
| HWC12513 | ISO | Zinc Olive Drab | M12-1.75 x 100mm | 4 |
| HWC12538 | ISO | Cadmium w/ Nylon Patch | M6-1.00 x 20mm | 50 |
| HWU10103 | ISO | Zinc | M6-1.00 x 16mm | 50 |
| HWU10129 | ISO | Zinc | M6-1.00 x 20mm | 50 |
| HWU10142 | ISO | Zinc | M6-1.00 x 25mm | 25 |
| HWU10155 | ISO | Zinc | M6-1.00 x 30mm | 25 |
| HWU10168 | ISO | Zinc | M6-1.00 x 35mm | 25 |
| HWU10181 | ISO | Zinc | M6-1.00 x 40mm | 25 |
| HWU10194 | ISO | Zinc | M6-1.00 x 45mm | 25 |
| HWU10207 | ISO | Zinc | M6-1.00 x 50mm | 25 |
| HWU10220 | ISO | Zinc | M6-1.00 x 60mm | 25 |
| HWU10233 | ISO | Zinc | M6-1.00 x 70mm | 25 |
| HWU10246 | ISO | Zinc | M6-1.00 x 80mm | 25 |
| HWU10272 | ISO | Zinc | M8-1.25 x 20mm | 50 |
| HWU10298 | ISO | Zinc | M8-1.25 x 30mm | 25 |
| HWU10311 | ISO | Zinc | M8-1.25 x 35mm | 25 |
| HWU10324 | ISO | Zinc | M8-1.25 x 40mm | 25 |
| HWU10337 | ISO | Zinc | M8-1.25 x 45mm | 25 |
| HWU10350 | ISO | Zinc | M8-1.25 x 50mm | 25 |
| HWU10363 | ISO | Zinc | M8-1.25 x 60mm | 25 |
| HWU10376 | ISO | Zinc | M8-1.25 x 70mm | 25 |
| HWU10389 | ISO | Zinc | M10-1.50 x 16mm | 50 |
| HWU10428 | ISO | Zinc | M10-1.50 x 30mm | 50 |
| HWU10454 | ISO | Zinc | M10-1.50 x 40mm | 25 |
| HWU10480 | ISO | Zinc | M10-1.50 x 50mm | 25 |
| HWU10506 | ISO | Zinc | M10-1.50 x 60mm | 25 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|------------------|------|
| HWU10519 | ISO | Zinc | M10-1.50 x 65mm | 25 |
| HWU10545 | ISO | Zinc | M10-1.50 x 75mm | 25 |
| HWU10558 | ISO | Zinc | M10-1.50 x 80mm | 25 |
| HWU10571 | ISO | Zinc | M10-1.50 x 90mm | 25 |
| HWU10584 | ISO | Zinc | M10-1.50 x 100mm | 25 |
| HWU10597 | ISO | Zinc | M12-1.75 x 20mm | 25 |
| HWU10610 | ISO | Zinc | M12-1.75 x 25mm | 25 |
| HWU10623 | ISO | Zinc | M12-1.75 x 30mm | 25 |
| HWU10649 | ISO | Zinc | M12-1.75 x 40mm | 25 |
| HWU10662 | ISO | Zinc | M12-1.75 x 45mm | 25 |
| HWU10675 | ISO | Zinc | M12-1.75 x 50mm | 25 |
| HWU10688 | ISO | Zinc | M12-1.75 x 55mm | 10 |
| HWU10714 | ISO | Zinc | M12-1.75 x 65mm | 10 |
| HWU10727 | ISO | Zinc | M12-1.75 x 70mm | 10 |
| HWU10740 | ISO | Zinc | M12-1.75 x 80mm | 10 |
| HWU10753 | ISO | Zinc | M12-1.75 x 90mm | 10 |
| HWU10766 | ISO | Zinc | M12-1.75 x 100mm | 10 |
| HWU10779 | ISO | Zinc | M12-1.75 x 110mm | 10 |
| HWU10792 | ISO | Zinc | M12-1.75 x 120mm | 10 |
| HWU10805 | ISO | Zinc | M16-2.00 x 30mm | 10 |
| HWU10818 | ISO | Zinc | M16-2.00 x 40mm | 10 |
| HWU10831 | ISO | Zinc | M16-2.00 x 50mm | 10 |
| HWU10844 | ISO | Zinc | M16-2.00 x 60mm | 10 |
| HWU10857 | ISO | Zinc | M16-2.00 x 70mm | 10 |
| HWU10870 | ISO | Zinc | M16-2.00 x 80mm | 10 |
| HWU10883 | ISO | Zinc | M16-2.00 x 90mm | 5 |
| HWU10909 | ISO | Zinc | M16-2.00 x 120mm | 5 |
| HWU10922 | ISO | Zinc | M16-2.00 x 130mm | 5 |
| HWU10935 | ISO | Zinc | M16-2.00 x 140mm | 5 |
| HWU10948 | ISO | Zinc | M16-2.00 x 150mm | 2 |
| HWU10961 | ISO | Zinc | M20-2.50 x 40mm | 10 |
| HWU10974 | ISO | Zinc | M20-2.50 x 50mm | 10 |
| HWU10987 | ISO | Zinc | M20-2.50 x 60mm | 10 |
| HWU11000 | ISO | Zinc | M20-2.50 x 70mm | 10 |
| HWU11013 | ISO | Zinc | M20-2.50 x 80mm | 10 |
| HWU11026 | ISO | Zinc | M20-2.50 x 90mm | 5 |

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|------------------------|------------------|------|
| HWU11039 | ISO | Zinc | M20-2.50 x 100mm | 5 |
| HWU11052 | ISO | Zinc | M20-2.50 x 110mm | 5 |
| HWU11065 | ISO | Zinc | M20-2.50 x 120mm | 5 |
| HWU11078 | ISO | Zinc | M20-2.50 x 130mm | 5 |
| HWU11091 | ISO | Zinc | M20-2.50 x 140mm | 5 |
| HWU11104 | ISO | Zinc | M20-2.50 x 150mm | 5 |
| HWU11117 | ISO | Zinc | M20-2.50 x 200mm | 5 |
| HWU20116 | ISO | Zinc | M6-1.00 x 18mm | 50 |
| HWU20259 | ISO | Zinc | M8-1.25 x 16mm | 50 |
| HWU20285 | ISO | Zinc | M8-1.25 x 25mm | 50 |
| HWU20402 | ISO | Zinc | M10-1.50 x 20mm | 50 |
| HWU20415 | ISO | Zinc | M10-1.50 x 25mm | 50 |
| HWU20441 | ISO | Zinc | M10-1.50 x 35mm | 50 |
| HWU20467 | ISO | Zinc | M10-1.50 x 45mm | 25 |
| HWU20532 | ISO | Zinc | M10-1.50 x 70mm | 25 |
| HWU20636 | ISO | Zinc | M12-1.75 x 35mm | 25 |
| HWC04236 | ISO | Zinc Black | M8-1.25 x 30mm | 10 |
| HWC04320 | ISO | Phosphate | M12-1.75 x 70mm | 15 |
| HWC04324 | ISO | Phosphate | M12-1.75 x 80mm | 10 |
| HWC04326 | ISO | Phosphate | M12-1.75 x 90mm | 2 |
| HWC04328 | ISO | Cadmium w/ Nylon Patch | M12-1.75 x 50mm | 10 |

GRADE 10.9 TENSION CONTROL HEX BOLTS (METRIC)

Table 11-11: Fasteners - Hex Bolts - Grade 10.9 - Tension Control (Metric)

| Part No. | Thread Standard | Material/Finish | Size | Qty. |
|----------|-----------------|-----------------|------------------|------|
| HWC00196 | ISO | Magnesium | M20-2.50 x 140mm | 2 |
| HWC00222 | ISO | Magnesium | M16-2.00 x 60mm | 1 |
| HWC00224 | ISO | Magnesium | M16-2.00 x 45mm | 5 |
| HWC07147 | ISO | Magnesium | M16-2.00 x 110mm | 4 |
| HWC09280 | ISO | Magnesium | M16-2.00 x 100mm | 5 |
| HWC09282 | ISO | Magnesium | M16-2.00 x 120mm | 2 |

TENSION CONTROL HEX BOLTS

Table 11-12: Fasteners - Hex Bolts - Tension Control

| Part No. | Thread Standard | Unit of Measurement | Material/Finish | Size | Qty. |
|----------|-----------------|---------------------|-----------------|------------------|------|
| HWC04560 | ISO | Metric | Magnesium | M20-2.50 x 80mm | 1 |
| HWC04562 | ISO | Metric | Magnesium | M20-2.50 x 90mm | 1 |
| HWC04625 | ISO | Metric | Magnesium | M20-2.50 x 130mm | 1 |

SPECIALTY BOLTS



Table 11-13: Fasteners - Hex Bolts - Specialty

| Part No. | Thread Standard | Unit of Measurement | Material/Finish | Size | Qty. |
|----------|-----------------|---------------------|-------------------------------|---|------|
| HWC01878 | UNF | U.S. | Plain | 1/2"-20NF x 12", Center Spring | 4 |
| HWC01882 | UNC | U.S. | Zinc | 1/4"-20NC x 3/4", Step | 25 |
| HWC01888 | n/a | U.S. | n/a | 1/4" x 1/2", T Head | 10 |
| HWC04628 | ISO | Metric | Stainless Steel | M12-1.75 x 100mm C10, Shoulder Bolt | 1 |
| HWC04658 | UNC | U.S. | Zinc | 5/16"-18NC x 51mm, Throttle Stop Special Bolt | 5 |
| HWC04736 | UNF | U.S. | n/a | 7/16"-20NF x 1", Heat-Treated Special Bolt | 4 |
| HWC04879 | UNF | U.S. | Zinc | 3/8"-24NF x 11" Battery Hold Down | 4 |
| HWC18367 | n/a | n/a | Zinc Yellow w/ Nylon Patch | Temperature Bolt | 1 |

BUMPER FASTENER KIT

Table 11-14: Fasteners - Bumper Kit

| Part No. | Measurement | Unit of Measure | Qty. |
|----------|-------------------------------|-----------------|------|
| HWC07063 | Bumper Fastener Kit, Polished | Metric | 50 |
| HWC07065 | Bumper Fastener Kit, Zinc | Metric | 10 |

CLIPS

CABLE CLIPS



HWC01920

Table 11-15: Fasteners - Clips - Cable Clip

| Part No. | Description | Standard Pack Qty. |
|----------|-------------------------------------|--------------------|
| HWC00200 | 8.06-8.32, U-Joint Retaining Ring | 25 |
| HWC01920 | Cable Clip with Adhesive Back | 2 |
| HWC07139 | 1/4" Cable Clip, with Adhesive Back | 15 |

CLEVIS (STANDARD)

Table 11-16: Fasteners - Clevis & Cotter Pins (U.S.) - Standard

| Part No. | Description | Standard Pack Qty. |
|----------|---------------------------------|--------------------|
| HWC02652 | 3/16" x 37/64", Plain | 15 |
| HWC06712 | 3/16" x 1.650", Stainless Steel | 4 |

CABLE E-CLIP

Table 11-17: Fasteners - Clips - E-Clip (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|---------------------------------------|--------------------|
| HWC06728 | #13 x 1/4"-3/8" Shaft Diameter E-Clip | 100 |

CABLE NUT CLIPS

Table 11-18: Fasteners - Clips - Clip-On Nut

| Part No. | Description | Standard Pack Qty. |
|----------|-----------------------------------|--------------------|
| HWC00110 | 0.05" Thread Pitch #8 Clip-On Nut | 25 |

FOLDOVER U-NUT CLIP

Table 11-19: Fasteners - Clips - Foldover U-Nut (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|------------------------|--------------------|
| HWC06695 | M5-0.08 Foldover U-Nut | 10 |

MISC. CLIPS



Table 11-20: Fasteners - Clips - Misc.

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------------|--------------------|
| HWC06726 | 1/4" x 1-3/4" x 3.88" Clip | 2 |
| HWC09373 | Clip - Tinnerman | 10 |
| HWC09375 | Clip | 10 |

POP ROD CLIP



Table 11-21: Fasteners - Clips - Pop Rod Clip

| Part No. | Description | Material/ Finish |
|----------|------------------------|----------------------|
| HWC02086 | Clip-Prop Rod SMC Hood | Plastic Coated/Black |

PUMP HANDLE CLIP

Table 11-22: Fasteners - Clips - Pump Handle

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------|--------------------|
| HWC07071 | M5 Clip, Pump Handle | 5 |

RETAINING RING CLIP

Table 11-23: Fasteners - Clips - Retaining Ring

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------|--------------------|
| HWC07177 | 7/16" Retaining Ring | 20 |

S-CLIP

Table 11-24: Fasteners - Clips - S-Clip (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC06730 | 0.050"-0.080" Thick Panel Speed S Clip | 4 |

SNAP FASTENER



Table 11-25: Fasteners - Clips - Snap Fastener

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------------|--------------------|
| HWC06764 | Snap Fastener, Stainless Steel | 5 |

SPEED GRIP NUT CLIP

Table 11-26: Fasteners - Clips - Speed Grip Nut

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC07102 | #10-24NC x 0.02"-0.016" Thick Retainer Speed Grip Nut | 10 |

SPEED NUT CLIP

Table 11-27: Fasteners - Clips - Speed Nut

| Part No. | Description | Standard Pack Qty. |
|----------|-------------------|--------------------|
| HWC07736 | 1/4"-20 Speed Nut | 10 |

SPRING CLIP



Table 11-28: Fasteners - Clips - Spring Clip

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC06738 | Spring Clip, Locking Cylinder Case, Door Latch | 10 |

TREE CLIPS



Table 11-29: Fasteners - Clips - Tree Clip (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC06762 | 0.03"-0.47" Double Xmas Tree Clip Panel | 3 |
| HWC07166 | 1-1/4" x 5/16" x 1-1/8" Thick Clip, Panel Retainer, Pine Tree | 25 |
| HWC09371 | Tinnerman Trim Clip without Flange, Black | 10 |

U-CLIP NUTS (METRIC)

Table 11-30: Fasteners - Clips - U-Clip Nut (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------------------|--------------------|
| HWC06145 | M5 Nut U-Clip | 10 |
| HWC06547 | M4.2-1.40 x 0.64-3.8mm Speed U Nut | 10 |
| HWC06993 | M8-1.25 x 4.0-7.0mm Long Speed U Nut | 10 |

U-CLIP NUTS (U.S.)

Table 11-31: Fasteners - Clips - U-Clip Nut (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC06968 | #10-32NF x 0.02"-0.12" Thick Floating U-Clip Nut, Phosphate Oil | 4 |
| HWC07038 | #10-32NF x 0.02"-0.12" Thick Floating U-Clip Nut | 10 |
| HWC07094 | #10-24NC x 0.05"-0.08" Thick Speed U Nut | 10 |
| HWC07104 | 1/4"-20 x 0.09"-0.21" Thick Speed U Nut | 15 |
| HWC07740 | #10-24NC x 0.10"-0.12" Thick Speed U Nut | 10 |

U-TYPE RETAINING NUT

Table 11-32: Fasteners - Clips - U-Type Retaining Nut

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------------|--------------------|
| HWC02588 | 1/4"-20NC U-Type Retaining Nut | 25 |

COLLARS

COLLARS

Table 11-33: Fasteners - Collars

| Part No. | Description | Standard Pack Qty. |
|----------|-----------------------------------|--------------------|
| HWC02102 | 1" Clutch Lever Collar | 4 |
| HWC00917 | 19mm x 38mm, Zinc Clamping Collar | 1 |
| HWC04785 | 25.65mm x 44.5mm, Clamping Collar | 4 |

COTTER

COTTER

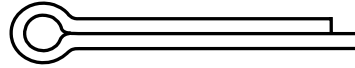


Table 11-34: Fasteners - Clevis & Cotter Pins (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC07227 | 5/32" Diameter x 3/4" Length Zinc Cotter Pin | 50 |

COTTER (EXTENDED PRONG)

Table 11-35: Fasteners - Clevis & Cotter Pins (U.S.) - Extended Prong

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------|--------------------|
| HWC02630 | 1/8" x 2-1/4", Zinc | 20 |
| HWU10104 | 1/16" x 1/2", Zinc | 100 |
| HWU10117 | 1/16" x 3/4", Zinc | 100 |
| HWU10130 | 1/16" x 1", Zinc | 100 |
| HWU10156 | 1/16" x 2", Zinc | 100 |
| HWU10195 | 3/32" x 1", Zinc | 100 |
| HWU10208 | 3/32" x 1-1/4", Zinc | 100 |
| HWU10221 | 3/32" x 1-1/2", Zinc | 100 |
| HWU10247 | 3/32" x 2", Zinc | 100 |
| HWU10260 | 7/64" x 1", Zinc | 100 |
| HWU10312 | 7/64" x 2", Zinc | 100 |
| HWU10325 | 1/8" x 1/2", Zinc | 100 |
| HWU10338 | 1/8" x 1", Zinc | 100 |
| HWU10351 | 1/8" x 1-1/2", Zinc | 100 |
| HWU10364 | 1/8" x 2", Zinc | 100 |
| HWU10377 | 1/8" x 2-1/2", Zinc | 100 |
| HWU10390 | 1/8" x 3", Zinc | 100 |
| HWU10416 | 5/32" x 1", Zinc | 50 |
| HWU10429 | 5/32" x 1-1/2", Zinc | 50 |
| HWU10442 | 5/32" x 2", Zinc | 50 |
| HWU10455 | 5/32" x 2-1/2", Zinc | 50 |
| HWU10468 | 5/32" x 3", Zinc | 50 |
| HWU10481 | 3/16" x 1", Zinc | 50 |

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------|--------------------|
| HWU10494 | 3/16" x 1-1/2", Zinc | 50 |
| HWU10507 | 3/16" x 2", Zinc | 50 |
| HWU10520 | 3/16" x 2-1/2", Zinc | 50 |
| HWU10533 | 3/16" x 3", Zinc | 50 |
| HWU10572 | 1/4" x 1, Zinc | 50 |
| HWU10585 | 1/4" x 1-1/2", Zinc | 50 |
| HWU10598 | 1/4" x 2", Zinc | 50 |
| HWU10611 | 1/4" x 2-1/2", Zinc | 50 |
| HWU10624 | 1/4" x 3", Zinc | 50 |
| HWU10650 | 1/4" x 4", Zinc | 50 |
| HWU10676 | 5/16" x 2", Zinc | 50 |
| HWU10741 | 3/8" x 2", Zinc | 25 |

COTTER (EXTENDED PRONG, SQUARE CUT)

Table 11-36: Fasteners - Clevis & Cotter Pins (U.S.) - Extended Prong, Square Cut

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------|--------------------|
| HWC01177 | 1/8" x 1", Zinc | 1 |
| HWC02620 | 1/4" x 3", Zinc | 25 |
| HWC02632 | 3/16" x 3-1/2", Zinc | 25 |
| HWC02640 | 7/32 x 3", Zinc | 4 |
| HWC05026 | 5/32" x 3/4", Zinc | 100 |
| HWC07130 | 1/8" x 2", Zinc | 25 |

COTTER (HAMMERLOCK)

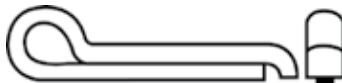


Table 11-37: Fasteners - Clevis & Cotter Pins (U.S.) - Hammerlock

| Part No. | Description | Standard Pack Qty. |
|----------|------------------|--------------------|
| HWU11468 | 5/32" x 3", Zinc | 100 |
| HWU11624 | 1/4" x 3", Zinc | 50 |

COTTER (STANDARD SQUARE CUT)

Table 11-38: Fasteners - Clevis & Cotter Pins (U.S.) - Standard Square Cut

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------|--------------------|
| HWC06971 | 3/32" x 1/2", Zinc | 5 |
| HWC07128 | 5/32" x 1-1/2", Zinc | 100 |

FASTENER ASSORTMENTS

FASTENER ASSORTMENT FOR HWU10000

Table 11-39: Fasteners - Fastener Assortments for HWU1000

| Part No. | SubType | Description | Standard Pack Qty. |
|-------------------------|-----------------------------------|-----------------|--------------------|
| FLAT WASHERS | | | |
| HWU11403 | M8, Grade 10.9, Zinc | Flat Washer | 100 |
| HWU11416 | M10, Grade 10.9, Zinc | Flat Washer | 100 |
| HWU11429 | M12, Grade 10.9 Zinc Round Washer | Flat Washer | 50 |
| HWU11442 | M16, Grade 10.9, Zinc | Flat Washer | 50 |
| HEX NUTS | | | |
| HWU11299 | M6-1.00, Grade 10, Zinc | Hex Nut | 100 |
| HWU11312 | M8-1.25, Grade 10, Zinc | Hex Nut | 100 |
| HWU11325 | M10-1.50, Grade 10, Zinc | Hex Nut | 50 |
| HWU11338 | M12-1.75, Grade 10, Zinc | Hex Nut | 60 |
| HWU11351 | M16-2.00, Grade 10, Zinc | Hex Nut | 25 |
| HWU11721 | M6-1.00, SL MTL, Grade 10, Zinc | Hex Nut | 200 |
| HWU11734 | M8-1.25, SL MTL, Grade 10, Zinc | Hex Nut | 100 |
| HWU11760 | M12-1.75, SL MTL, Grade 10, Zinc | Hex Nut | 50 |
| METRIC HEX BOLTS | | | |
| HWU10129 | M6-1.00 x 20, Grade 10.9, Zinc | Hex Bolt Metric | 50 |
| HWU10155 | M6-1.00 x 30, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10168 | M6-1.00 x 35, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10181 | M6-1.00 x 40, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10207 | M6-1.00 x 50, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10220 | M6-1.00 x 60, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10272 | M8-1.25 x 20, Grade 10.9, Zinc | Hex Bolt Metric | 50 |
| HWU10298 | M8-1.25 x 30, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10311 | M8-1.25 x 35, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10324 | M8-1.25 x 40, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10337 | M8-1.25 x 45, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10350 | M8-1.25 x 50, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10363 | M8-1.25 x 60, Grade 10.9, Zinc | Hex Bolt Metric | 25 |

| Part No. | SubType | Description | Standard Pack Qty. |
|----------|----------------------------------|-----------------|--------------------|
| HWU10376 | M8-1.25 x 70, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10428 | M10-1.50 x 30, Grade 10.9, Zinc | Hex Bolt Metric | 50 |
| HWU10454 | M10-1.50 x 40, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10480 | M10-1.50 x 50, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10558 | M10-1.50 x 80, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10571 | M10-1.50 x 90, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10597 | M12-1.75 x 20, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10623 | M12-1.75 x 30, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10649 | M12-1.75 x 40, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10675 | M12-1.75 x 50, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10727 | M12-1.75 x 70, Grade 10.9, Zinc | Hex Bolt Metric | 10 |
| HWU10740 | M12-1.75 x 80, Grade 10.9, Zinc | Hex Bolt Metric | 10 |
| HWU10766 | M12-1.75 x 100, Grade 10.9, Zinc | Hex Bolt Metric | 10 |
| HWU10792 | M12-1.75 x 120, Grade 10.9, Zinc | Hex Bolt Metric | 10 |
| HWU10805 | M16-2.00 x 30, Grade 10.9, Zinc | Hex Bolt Metric | 10 |
| HWU10818 | M16-2.00 x 40, Grade 10.9, Zinc | Hex Bolt Metric | 10 |
| HWU10831 | M16-2.00 x 50, Grade 10.9, Zinc | Hex Bolt Metric | 10 |
| HWU10844 | M16-2.00 x 60, Grade 10.9, Zinc | Hex Bolt Metric | 10 |
| HWU10857 | M16-2.00 x 70, Grade 10.9, Zinc | Hex Bolt Metric | 10 |
| HWU10870 | M16-2.00 x 80, Grade 10.9, Zinc | Hex Bolt Metric | 10 |
| HWU10909 | M16-2.00 x 120, Grade 10.9, Zinc | Hex Bolt Metric | 10 |
| HWU20285 | M8-1.25 x 25, Grade 10.9, Zinc | Hex Bolt Metric | 50 |
| HWU20402 | M10-1.50 x 20, Grade 10.9, Zinc | Hex Bolt Metric | 50 |
| HWU20415 | M10-1.50 x 25, Grade 10.9, Zinc | Hex Bolt Metric | 50 |
| HWU20441 | M10-1.50 x 35, Grade 10.9, Zinc | Hex Bolt Metric | 50 |
| HWU20467 | M10-1.50 x 45, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU20532 | M10-1.50 x 70, Grade 10.9, Zinc | Hex Bolt Metric | 25 |

SPLIT-LOCK WASHERS

| | | | |
|----------|-----------------------|-------------------|-----|
| HWU11481 | M6, Grade 10.9, Zinc | Split-Lock Washer | 100 |
| HWU11494 | M8, Grade 10.9, Zinc | Split-Lock Washer | 100 |
| HWU11507 | M10, Grade 10.9, Zinc | Split-Lock Washer | 100 |
| HWU11520 | M12, Grade 10.9, Zinc | Split-Lock Washer | 50 |
| HWU11533 | M16, Grade 10.9, Zinc | Split-Lock Washer | 50 |

FASTENER ASSORTMENT FOR HWU11301

Table 11-40: Fasteners - Fastener Assortments for HWU11301

| Part No. | SubType | Description | Standard Pack Qty. |
|--------------------------|--|------------------|--------------------|
| FLAT WASHERS | | | |
| HWU05717 | 1/4" SAE, Grade 8, Zinc Yellow | Flat | 100 |
| HWU05730 | 5/16" SAE, Grade 8, Zinc Yellow | Flat | 100 |
| HWU05743 | 3/8" SAE, Grade 8, Zinc Yellow | Flat | 100 |
| HWU05756 | 7/16" SAE, Grade 8, Zinc Yellow | Flat | 100 |
| HWU05769 | 1/2" SAE, Grade 8, Zinc Yellow | Flat | 100 |
| HWU05795 | 5/8" SAE, Grade 8, Zinc Yellow | Flat | 50 |
| HWU05808 | 3/4" SAE, Grade 8, Zinc Yellow | Flat | 50 |
| HWU05873 | 3/8" USS, Grade 8, Zinc Yellow | Flat | 100 |
| HWU05899 | 1/2" USS, Grade 8, Zinc Yellow | Flat | 100 |
| HWU05925 | 5/8" USS, Grade 8, Zinc Yellow | Flat | 50 |
| HWU05938 | 3/4" USS, Grade 8, Zinc Yellow | Flat | 50 |
| HWU11390 | M6, Grade 10.9, Zinc | Flat | 100 |
| GRADE 8 HEX BOLTS | | | |
| HWU00777 | 3/8"-16 x 2-1/2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 100 |
| HWU00803 | 3/8"-16 x 3", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 100 |
| HWU00829 | 3/8"-16 x 3-1/2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 50 |
| HWU00855 | 3/8"-16 x 4", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 50 |
| HWU01193 | 1/2"-13 x 1-1/2", Grade 8, Plain | Hex Bolt Grade 8 | 50 |
| HWU01219 | 1/2"-13 x 2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 50 |
| HWU01245 | 1/2"-13 x 2-1/2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 50 |
| HWU01271 | 1/2"-13 x 3", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 50 |
| HWU01739 | 5/8"-11 x 2-1/2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 25 |
| HWU01765 | 5/8"-11 x 3", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 25 |
| HWU01947 | 3/4"-10 x 1-1/4", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 25 |
| HWU01960 | 3/4"-10 x 1-1/2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 25 |
| HWU01986 | 3/4"-10 x 2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 25 |
| HWU01999 | 3/4"-10 x 2-1/4", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 25 |
| HWU03182 | 3/8"-24 x 2-1/2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 100 |
| HWU03208 | 3/8"-24 x 3", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 100 |

| Part No. | SubType | Description | Standard Pack Qty. |
|----------|--|------------------|--------------------|
| HWU03234 | 3/8"-24 x 3-1/2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 50 |
| HWU03260 | 3/8"-24 x 4", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 50 |
| HWU03624 | 1/2"-20 x 1-1/2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 50 |
| HWU03650 | 1/2"-20 x 2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 50 |
| HWU03676 | 1/2"-20 x 2-1/2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 50 |
| HWU03702 | 1/2"-20 x 3", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 50 |
| HWU04118 | 5/8"-18 x 2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 25 |
| HWU04144 | 5/8"-18 x 2-1/2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 25 |
| HWU04170 | 5/8"-18 x 3", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 25 |
| HWU04482 | 3/4"-16 x 2-1/2", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 25 |
| HWU04508 | 3/4"-16 x 3", Grade 8, Zinc Yellow | Hex Bolt Grade 8 | 25 |

HEX NUTS

| | | | |
|----------|-------------------------------|----------|----|
| HWU05249 | 1/2"-13, Grade 8, Zinc Yellow | Hex Nuts | 50 |
| HWU05275 | 5/8"-11, Grade 8, Zinc Yellow | Hex Nuts | 25 |
| HWU05288 | 3/4"-10, Grade 8, Zinc Yellow | Hex Nuts | 20 |
| HWU05379 | 1/2"-20, Grade 8, Zinc Yellow | Hex Nuts | 50 |
| HWU05405 | 5/8"-18, Grade 8, Zinc Yellow | Hex Nuts | 25 |
| HWU05418 | 3/4"-16, Grade 8, Zinc Yellow | Hex Nuts | 20 |

METRIC HEX BOLTS

| | | | |
|----------|---------------------------------|-----------------|----|
| HWU10142 | M6-1.00 x 25, Grade 10.9, Zinc | Hex Bolt Metric | 25 |
| HWU10506 | M10-1.50 x 60, Grade 10.9, Zinc | Hex Bolt Metric | 25 |

SPLIT-LOCK WASHERS

| | | | |
|----------|---------------------|------------|-----|
| HWU06029 | 1/2", Grade 8, Zinc | Split-Lock | 100 |
| HWU06055 | 5/8", Grade 8, Zinc | Split-Lock | 50 |
| HWU06068 | 3/4", Grade 8, Zinc | Split-Lock | 50 |

TOP-LOCK HEX NUTS

| | | | |
|----------|-------------------------|----------|-----|
| HWU04989 | 1/2"-13, Grade 8, Zinc | Top Lock | 50 |
| HWU05015 | 5/8"-11, Grade 8, Zinc | Top Lock | 50 |
| HWU05028 | 3/4"-10, Grade 8, Zinc | Top Lock | 50 |
| HWU05067 | 1/4"-28, Grade 8, Zinc | Top Lock | 100 |
| HWU05080 | 5/16"-24, Grade 8, Zinc | Top Lock | 100 |
| HWU05093 | 3/8"-24, Grade 8, Zinc | Top Lock | 100 |

| Part No. | SubType | Description | Standard Pack Qty. |
|----------|-------------------------|-------------|--------------------|
| HWU05106 | 7/16"-20, Grade 8, Zinc | Top Lock | 50 |
| HWU05119 | 1/2"-20, Grade 8, Zinc | Top Lock | 50 |
| HWU05145 | 5/8"-18, Grade 8, Zinc | Top Lock | 50 |

GROMMETS

BRASS

Table 11-41: Fasteners - Grommets - Brass

| Part No. | Description | Standard Pack Qty. |
|----------|------------------------------|--------------------|
| HWC07922 | Brass Grommet with #3 Washer | 10 |

POLYETHYLENE

Table 11-42: Fasteners - Grommets - Polyethylene

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------------------|--------------------|
| HWC22713 | 3/4" O.D. Black Polyethylene Grommet | 10 |

RUBBER

Table 11-43: Fasteners - Grommets - Rubber

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC04800 | 1-1/4" x 1/2" x 3/16" Rubber Grommet, Split | 1 |
| HWC12403 | 13/16" x 1/2" x 1/8" Rubber Grommet | 100 |

HUCK BOLTS

HUCK BOLTS

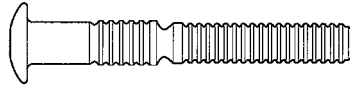


Table 11-44: Fasteners - Huck Bolts

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC02220 | 1/4", Steel, Cadmium | 25 |
| HWC02234 | 1/4" x 1.937", C137LT, Polished Stainless Steel | 10 |

BLIND HUCK BOLTS

Table 11-45: Fasteners - Huck Bolts - Blind

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------------------|--------------------|
| HWC02716 | 3/16" x 1.788", Zinc, Flush Head | 50 |

BRAZIER HUCK BOLTS

Table 11-46: Fasteners - Huck Bolts - Brazier

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC04675 | 1/4" x 1.965", Zinc Phosphate MGPB Huck Pin Brazier | 75 |
| HWC01028 | 1/4" x 1.965", Cadmium | 50 |
| HWC02222 | 1/4" x 2.56", Zinc | 50 |
| HWC02644 | 3/16" x 1.788", T6 Aluminum | 10 |
| HWC04060 | 3/16" x 1.788", Plain | 5 |
| HWC04381 | 1/4" x 1.965", Plain | 50 |
| HWU12370 | 1/4" x 1.965", Zinc | 100 |

TRUSS HEAD HUCK BOLTS



HWC01844



HWC02236



HWC06111

Table 11-47: Fasteners - Huck Bolts - Truss Head

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC00910 | 1/4" x 2.125", C120LT, Grade 5", Plain | 50 |
| HWC00914 | 1/4" x 1.938", C120LT, Grade 5", Plain | 50 |
| HWC01030 | 1/4" x 2.56", Zinc | 25 |
| HWC01834 | 3/16" x 2.125", Polished Stainless Steel | 15 |
| HWC01836 | 3/16" x 1.563", Stainless Steel | 25 |
| HWC01837 | 3/16" x 2", Polished Stainless Steel | 100 |
| HWC01838 | 3/16" x 1.688", Stainless Steel | 25 |
| HWC01840 | 3/16" x 1.75", Stainless Steel | 25 |
| HWC01842 | 3/16" x 1.813", Stainless Steel | 25 |
| HWC01844 | 3/16" x 1.938", Polished Stainless Steel | 25 |
| HWC01848 | 1/4" x 1.965", T6 Aluminum | 15 |
| HWC01860 | 5/16" x 2.34", Zinc | 4 |
| HWC02217 | 3/16" x 1.788", T6 Aluminum | 10 |
| HWC02236 | 3/16" x 1.788", Zinc | 75 |
| HWC02646 | 1/4" x 1.965", Zinc | 50 |
| HWC02714 | 3/16" x 2.375", Zinc | 50 |
| HWC06111 | 3/16" x 1.788", Zinc Phosphate | 50 |
| HWC11055 | 5/16" x 1/2", Wave, Zinc | 50 |

HUCK COLLARS

HUCK COLLARS (METRIC)

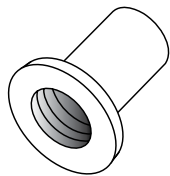


HWC03086

Table 11-48: Fasteners - Huck Collars (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|------------------------------------|--------------------|
| HWC00916 | 12mm, Grade 10, Plain | 25 |
| HWC02098 | 8mm x 23.81, Grade 5", Zinc Yellow | 25 |
| HWC02118 | M12 Huck Collar | 10 |
| HWC03086 | 16mm, Grade 10, Plain | 10 |
| HWC06363 | 16mm, Grade 10, Zinc Yellow | 10 |

HUCK COLLARS (U.S.)



HWC02106



HWC02110

Table 11-49: Fasteners - Huck Collars (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|---------------------------------------|--------------------|
| HWC01333 | 1/4", Flange, 6061 Aluminum | 50 |
| HWC01389 | 3/16" x 0.308-0.358, with Lock, Plain | 75 |
| HWC02092 | 3/16" x 0.290-0.320, Plain | 75 |
| HWC02093 | 3/16", Flange, Zinc | 75 |
| HWC02103 | 3/16" x 0.308-0.358, Aluminum | 25 |
| HWC02104 | 3/16" x 0.308-0.358, Zinc | 75 |
| HWC02106 | 3/16" x 0.308-0.358, Zinc Yellow | 100 |

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC02110 | 1/4" x 0.399-0.399, Zinc Yellow | 50 |
| HWC02114 | 1/4" x 0.370-0.380, Zinc Yellow | 75 |
| HWC02116 | 3/16" x 0.270-0.280, Zinc Yellow | 100 |
| HWC02124 | 1/4" Huck Flanged Collar | 50 |
| HWC02126 | 3/16", Cadmium | 50 |
| HWC02130 | 5/16" Radiator Flanged Collar | 5 |
| HWC02132 | 1/2" Set Flanged Collar | 4 |
| HWC04744 | 1/4" x 0.370-0.380, Aluminum | 25 |
| HWC04748 | 3/16", Flange, Cadmium | 2 |
| HWC06750 | 1/4", Flange, Zinc | 75 |
| HWC07107 | 1/4" x 0.399-0.399, with Lock, Zinc Yellow | 50 |

HUCK FASTENER TOOLS

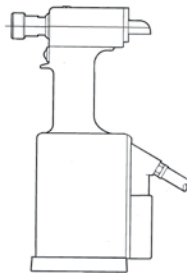


Table 11-50: Fasteners - Huck Fastener Tools

| Part No. | Description | Standard Pack Qty. |
|----------|-----------------------|--------------------|
| HWC02101 | Huck Gun, Pneudraulic | 1 |

HUCK FIT FLANGED HEX HEAD (METRIC)

Table 11-51: Fasteners - Huck Fit Flanged Hex Head (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|-------------------------|--------------------|
| HWC00904 | M20 x 146.4, Grade 10.9 | 4 |
| HWC00920 | M12 x 97.6, Grade 10.9 | 15 |
| HWC00926 | M16 x 115.2, Grade 10.9 | 5 |
| HWC00928 | M16 x 120.2, Grade 10.9 | 10 |

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------|--------------------|
| HWC00930 | M12 x 107.6, Grade 10.9 | 10 |
| HWC00932 | M12 x 112.6, Grade 10.9 | 10 |
| HWC00934 | M16 x 105.2, Grade 10.9 | 10 |
| HWC00936 | M16 x 150.2, Grade 10.9 | 4 |
| HWC00938 | M16 x 160.2, Grade 10.9 | 4 |
| HWC00944 | M20 x 136.4, Grade 10.9 | 4 |
| HWC01032 | M16 x 135.2, Grade 10.9 | 4 |
| HWC01850 | M12 x 92.6, Grade 10.9 | 10 |
| HWC01854 | M12 x 102.6, Grade 10.9 | 10 |
| HWC01856 | M16 x 140.2, Grade 10.9 | 4 |
| HWC01858 | M16 x 130.2, Grade 10.9 | 5 |
| HWC02216 | M12 x 117.6, Grade 10.9 | 10 |
| HWC02604 | M16 x 125.2, Grade 10.9 | 4 |
| HWC02650 | M16 x 110.2, Grade 10.9 | 5 |
| HWC06365 | M16 x 165.2, Grade 10.9 | 4 |
| HWC11055 | 5/16" x 1/2", Wave, Zinc | 50 |

HUCK PINS

Table 11-52: Fasteners - Huck Pins

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC01862 | 3/16" x 2" Stainless Steel Polished C98LT Huckbolt Pin Truss | 25 |
| HWC04656 | 1/4" Diameter Zinc MFP90 Type Huck Pin | 10 |
| HWC07105 | 1/4" x 2.56" MGPTC Huck Pin Brazier | 10 |
| HWC07244 | 1/4" MBCP Steel Huck Pin Brazier Head | 2 |

INSERTS

BLIND NUT INSERTS

Table 11-53: Fasteners - Inserts - Blind Insert Nuts

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|-------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC08202 | 1/4"-20 | | UNC | U.S. | Aluminum | 5 |

BLIND INSERTS

Table 11-54: Fasteners - Inserts - Blind Inserts

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|-------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC06847 | 3/8"-16 | Hardened | UNC | U.S. | Zinc Yellow | 5 |
| HWC07049 | 1/4"-20 | | UNC | U.S. | Aluminum | 100 |

MOLLY JACKNUT THREADED INSERTS

Table 11-55: Fasteners - Inserts - Molly Jacknut Threaded Inserts

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|-------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC02246 | 1/4" | | UNC | U.S. | Zinc Yellow | 10 |
| HWC02248 | 1/4"-20 | | UNC | U.S. | n/a | 4 |

NUT INSERTS

Table 11-56: Fasteners - Insert Nuts

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|-------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC04895 | M6-1.0 | | ISO | Metric | Zinc Yellow | 5 |

NUTSERT INSERTS

Table 11-57: Fasteners - Inserts - NutSerts

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|-------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC02568 | 1/4"-20 | | UNC | U.S. | Cadmium | 10 |
| HWC02570 | 1/4"-20 | | UNC | U.S. | Zinc | 10 |
| HWC04007 | M10-1.5 | | ISO | Metric | Cadmium | 4 |
| HWC04952 | 1/4"-20 | | UNC | U.S. | Cadmium | 10 |

PLASTIC INSERT NUT INSERTS

Table 11-58: Fasteners - Inserts - Plastic Insert Nuts

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|----------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC04938 | #8 / #10 x 4.5 | | UNF | U.S. | Nylon | 25 |

RIVNUT INSERTS

Table 11-59: Fasteners - Inserts - Rivnuts

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|-----------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC01059 | M6 x 1.0 | | ISO | Metric | Cadmium | 10 |
| HWC01381 | M6 | | ISO | Metric | Cadmium | 5 |
| HWC02744 | M6 x 1.0 | | ISO | U.S. | Cadmium | 10 |
| HWC02746 | M6-1.0 x 21.50 | | ISO | Metric | Aluminum | 10 |
| HWC02750 | 5/16"-18 | | UNC | U.S. | Cadmium | 5 |
| HWC02752 | 3/8"-16 x 32.81 | Hardened | UNC | U.S. | Zinc Yellow | 5 |
| HWC02754 | 3/8"-16 | | UNC | U.S. | Cadmium Yellow | 2 |
| HWC02776 | 1/4"-20 | | UNC | U.S. | n/a | 10 |
| HWC02778 | 1/4"-20 | | UNC | U.S. | Zinc | 4 |
| HWC02782 | 1/4"-20 | | UNC | U.S. | Cadmium | 4 |

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|-----------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC02784 | 8mm | | ISO | Metric | Aluminum | 2 |
| HWC07174 | #10-32 x 0.781" | | UNF | U.S. | n/a | 5 |
| HWC10004 | M6-1.00 x 33.13 | Hardened | ISO | Metric | Zinc Yellow | 4 |

SELF-RETAINING NUTSERT INSERTS

Table 11-60: Fasteners - Inserts - Self-Retaining NutSerts

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|-----------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC02021 | M10 x 1.50 | | ISO | Metric | Cadmium | 10 |
| HWC04954 | M10-1.50 x 22.5 | | ISO | Metric | Cadmium | 4 |
| HWC04977 | M4 x 0.7-6 | | ISO | Metric | Cadmium | 10 |
| HWC04995 | M6 x 1 | Hex, AVK | ISO | Metric | n/a | 10 |

THREADED BLIND INSERTS

Table 11-61: Fasteners - Inserts - Threaded Blind

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|-------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC08204 | 1/4"-20 | | UNC | U.S. | Aluminum | 5 |

THREADED INSERTS

Table 11-62: Fasteners - Inserts - Threaded

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|------------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC04948 | M10-1.50 x 20.45 | | ISO | Metric | Zinc Yellow | 5 |
| HWC04960 | M10-1.50 x 22.5 | | ISO | Metric | Zinc | 10 |
| HWC05080 | M10-1.50 x 25 | Hardened | ISO | Metric | Cadium | 10 |

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/Finish | Standard Pack Qty. |
|----------|---------------------|------------------------|-----------------|-----------------|----------------------|--------------------|
| HWC04976 | M10-1.50 x 27.5 | | ISO | Metric | Zinc | 4 |
| HWC04962 | M10-1.50 x 30 | Hardened | ISO | Metric | Cadium | 4 |
| HWC04966 | M4-0.70 x 10.67 | | ISO | Metric | Zinc Yellow | 10 |
| HWC04980 | M4-0.70 x 15 | | ISO | Metric | Cadmium | 10 |
| HWC04978 | M5-0.80 x 12.07 | | ISO | Metric | Zinc Yellow | 4 |
| HWC04968 | M5-0.80 x 14.86 | | ISO | Metric | Zinc Yellow | 4 |
| HWC05078 | M5-0.80 x 15 | | ISO | Metric | Zinc Yellow | 10 |
| HWC02758 | M5-0.80 x 16 | | ISO | Metric | Aluminum | 4 |
| HWC04990 | M5-0.80 x 18.9 | Hardened | ISO | Metric | Zinc Yellow | 10 |
| HWC04713 | M6-1.00 x 14.73 | | ISO | Metric | Zinc Yellow | 4 |
| HWC04970 | M6-1.00 x 14.73 | | ISO | Metric | Zinc Yellow | 6 |
| HWC04984 | M6-1.00 x 17.62 | Hardened | ISO | Metric | Zinc Yellow | 10 |
| HWC01251 | M6-1.00 x 30.23 | Hardened | ISO | Metric | Zinc Yellow | 4 |
| HWC10002 | M6-1.00 x 30.23 | Hardened | ISO | Metric | Zinc Yellow | 10 |
| HWC01253 | M6-1.00 x 30.23 | | ISO | Metric | Zinc Yellow | 4 |
| HWC10185 | M8-1.25 x 17.53 | | ISO | Metric | Zinc Yellow | 10 |
| HWC06814 | #10-32 x 0.990 | AK, Hardened | UNF | U.S. | Cadmium Yellow | 25 |
| HWC02005 | 1/4"-20 x 0.680 | Hardened | UNC | U.S. | Steel | 10 |
| HWC06820 | 1/4"-20 x 1.190 | | UNC | U.S. | AL/Steel/Zinc Yellow | 10 |
| HWC02011 | 5/16"-18 x 0.805 | | UNC | U.S. | Zinc Yellow | 4 |
| HWC02007 | #10-24 x 0.475" | | UNC | U.S. | Steel | 10 |
| HWC02009 | #10-32 x 0.475" | | UNF | U.S. | Steel | 10 |
| HWC02001 | #6-32 x 0.470" | | UNC | U.S. | Steel | 100 |
| HWC00229 | 1/4"-20 | | UNC | U.S. | Zinc Yellow | 4 |
| HWC06812 | 3/8"-16 x 1.390" | | UNC | U.S. | Cadmium Yellow Steel | 10 |
| HWC10172 | M6-1.00 x 17.27 | AK | ISO | Metric | Steel | 10 |
| HWC07172 | M8-1.25 x 3.80-7.90 | Closed End | ISO | Metric | n/a | 5 |
| HWC01257 | M8-1.25 x 35.31 | | ISO | Metric | Zinc Yellow | 4 |

THREADED NUTSERT INSERTS

Table 11-63: Fasteners - Inserts - Threaded Nutserts

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|-------------|------------------------|-----------------|-----------------|----------------------|--------------------|
| HWC06826 | 5/16"-18 | | UNC | U.S. | Cadmium Yellow Steel | 4 |

THREADED RIVNUT INSERTS

Table 11-64: Fasteners - Inserts - Threaded Rivnut

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/ Finish | Standard Pack Qty. |
|----------|---------------------|------------------------|-----------------|-----------------|------------------|--------------------|
| HWC02768 | #10-24 | | UNC | U.S. | Cadmium | 15 |
| HWC02770 | 1/4"-20 x 0.750 | | UNC | U.S. | Aluminum | 2 |
| HWC06822 | 1/4"-20 x 1.250 | Hardened | UNC | U.S. | Zinc | 4 |
| HWC07248 | 1/4"-20 x 0.750 | Hardened | UNC | U.S. | Zinc Yellow | 5 |
| HWC07254 | 3/8"-16 x 0.840" | | UNC | U.S. | Cadmium | 4 |
| HWC07256 | 3/8"-16 x 1.030 | Hardened | UNC | U.S. | Zinc | 4 |
| HWC07260 | 1/2"-20 x 0.906 | | UNF | U.S. | Zinc | 2 |
| HWC07264 | 1/4"-20 x 0.625 | Hardened | UNC | U.S. | Zinc | 15 |
| HWC07266 | 1/4"-20 x 0.937" | | UNC | U.S. | Cadmium | 25 |
| HWC07268 | 1/4"-20 x 1.125 | | UNC | U.S. | Cadmium Wax | 25 |
| HWC07270 | 1/4"-20 x 1.000 | Hardened | UNC | U.S. | Zinc | 10 |
| HWC07274 | 1/4"-20 x 1.059 | | UNC | U.S. | Cadmium Wax | 25 |
| HWC07276 | 1/4"-20 x 1.185 | | UNC | U.S. | Cadmium Wax | 5 |
| HWC07278 | #10-24 x 0.594" | | UNC | U.S. | Cadmium | 2 |
| HWC07280 | 3/8"-16 x 1.562 | | UNC | U.S. | Zinc | 2 |
| HWC07282 | 5/16"-18NC x 0.875" | | UNC | U.S. | Cadmium | 4 |
| HWU10106 | 1/4"-20 | GS | UNC | U.S. | Zinc Yellow | 15 |
| HWU10119 | M4-0.70 | GS | ISO | Metric | Zinc Yellow | 100 |
| HWU10145 | M6-1.00 | GS | ISO | Metric | Zinc Yellow | 50 |
| HWU10158 | M8-1.25 | GS | ISO | Metric | Zinc Yellow | 15 |
| HWU10171 | #10-32 | | UNF | U.S. | Zinc Yellow | 100 |

| Part No. | Measurement | Additional Information | Thread Standard | Unit of Measure | Material/Finish | Standard Pack Qty. |
|----------|-------------|------------------------|-----------------|-----------------|-----------------|--------------------|
| HWU10184 | 1/4"-20 | | UNC | U.S. | Zinc Yellow | 15 |
| HWU10197 | 5/16"-18 | | UNC | U.S. | Zinc Yellow | 25 |

THREADED WELLNUT INSERTS

Table 11-65: Fasteners - Inserts - Threaded Wellnut

| Part No. | Measurement | Thread Standard | Unit of Measure | Material/Finish | Standard Pack Qty. |
|----------|------------------|-----------------|-----------------|------------------|--------------------|
| HWC02592 | #10-32 | UNF | U.S. | Neoprene / Black | 10 |
| HWC07114 | 3/8"-16 x 0.875" | UNC | U.S. | Steel | 2 |
| HWC07118 | 1/4"-20 x 1 | UNC | U.S. | Brass | 10 |

WEDGE HEAD INSERTS

Table 11-66: Fasteners - Inserts - Wedge Head

| Part No. | Measurement | Thread Standard | Unit of Measure | Material/Finish | Standard Pack Qty. |
|----------|-------------|-----------------|-----------------|-----------------|--------------------|
| HWC04991 | #10-24 | UNC | U.S. | Cadmium | 10 |

WELLNUT INSERTS

Table 11-67: Fasteners - Inserts - WellNuts

| Part No. | Measurement | Thread Standard | Unit of Measure | Material/Finish | Standard Pack Qty. |
|----------|-------------|-----------------|-----------------|------------------|--------------------|
| HWC02594 | 1/4"-20 | UNC | U.S. | Steel / Neoprene | 10 |

THREAD ROD INSERTS

Table 11-68: Fasteners - Inserts - Thread Rod

| Part No. | Measurement | Thread Standard | Unit of Measure | Material/Finish | Standard Pack Qty. |
|----------|---------------|-----------------|-----------------|------------------|--------------------|
| HWC12222 | 3/8"-24 x 18" | UNF | U.S. | Zinc / Phosphate | 1 |

THREADED INSERTS

Table 11-69: Fasteners - Inserts - Threaded

| Part No. | Measurement | Thread Standard | Unit of Measure | Material/Finish | Standard Pack Qty. |
|----------|-----------------|-----------------|-----------------|-----------------|--------------------|
| HWC04950 | M5-0.80 x 12.07 | ISO | Metric | Steel / Cadmium | 25 |

KITS

MUD FLAP KIT

Table 11-70: Fasteners - Mud Flap Kit

| Part No. | Description |
|----------|--|
| HWC07059 | Mud Flap Fastener Kit, Grade 5, Polished |
| HWC07057 | Mud Flap Fastener Kit, Grade 5, Zinc |

NUT KIT

Table 11-71: Fasteners - Nut Kit

| Part No. | Description | Unit of Measure | Qty. |
|----------|--|-----------------|------|
| HWU11660 | M12-1.75, Grade 10, Zinc Nylon Locknut | Metric | 50 |

NUTS



Bolts
See Page 11-6

GRADE 2 CASTLED HEX NUTS (U.S.)

Table 11-72: Fasteners - Grade 2 Castled Hex Nuts (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Standard Pack Qty. |
|----------|-----------------|-----------------|--------------|--------------------|
| HWC02450 | UNF | Cadmium / Zinc | 3/8"-24 | 10 |

GRADE 2 HEX NUTS (U.S.)

Table 11-73: Fasteners - Grade 2 Hex Nuts (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|-------------------|-------------|--------------------|
| HWC02400 | UNF | Cadmium Zinc | 9/16"-18 x 0.484" | | 25 |
| HWC02402 | UNF | Cadmium Zinc | 1/2"-20 x 0.438" | | 50 |
| HWC02406 | UNC | Cadmium Zinc | 1/4"-20 x 0.218" | | 50 |
| HWC02414 | UNC | Cadmium Zinc | 3/8"-16 x 0.328" | | 25 |
| HWC02416 | UNC | Plain | 3/8"-16 | | 15 |
| HWC02420 | UNF | Cadmium Zinc | 3/8"-24 x 0.328" | | 100 |
| HWC02432 | UNC | Plain | 5/8"-11 | | 15 |
| HWC02434 | UNF | Cadmium Zinc | 5/8"-18 x 0.546" | | 10 |
| HWC02436 | UNF | Cadmium Zinc | 7/16"-20 x 0.375" | | 25 |
| HWC02440 | UNF | Plain | 7/8"-14 | | 10 |
| HWC02444 | UNF | Plain | 9/16"-18 | | 25 |
| HWC02492 | UNF | Plain | 1/4"-28 | | 25 |
| HWC02500 | UNC | Cadmium Zinc | 3/4"-10 x 0.641" | | 25 |
| HWC02512 | UNC | Cadmium Zinc | 5/16"-18 x 0.266" | | 10 |
| HWC02520 | UNF | Cadmium Zinc | 5/16"-24 x 0.266" | | 25 |
| HWC02528 | UNC | Plain | 7/16"-14 | | 25 |
| HWC02538 | UNC | Plain | 9/16"-12 | | 25 |
| HWC02540 | UNC | Cadmium Zinc | 1/2"-13 x 0.438" | | 25 |
| HWC04888 | UNF | Zinc | #6-32 | | 50 |
| HWU08759 | UNC | Zinc | #8-32 | | 100 |
| HWU08772 | UNC | Zinc | #10-24 | | 100 |

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|------------------|-------------|--------------------|
| HWU08785 | UNC | Zinc | 1/4"-20 | | 50 |
| HWU08798 | UNC | Zinc | #10-32 | | 100 |
| HWU08811 | UNF | | 1/4"-28 x 0.125" | Thick | 10 |

GRADE 2 HEX JAM NUTS (U.S.)

Table 11-74: Fasteners - Grade 2 Hex Jam Nuts (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Standard Pack Qty. |
|----------|-----------------|-----------------|--------------|--------------------|
| HWC02450 | UNF | Cadmium / Zinc | 3/8"-24 | 10 |

GRADE 2 KEPS HEX NUTS (U.S.)

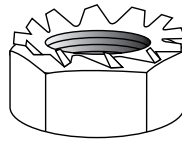


Table 11-75: Fasteners - Grade 2 Kep Hex Nuts (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Standard Pack Qty. |
|----------|-----------------|-----------------|-------------------|--------------------|
| HWC02558 | UNF | Plain | 5/16"-24 x 0.188" | 25 |
| HWU08941 | UNC | Zinc / Clear | #6-32 | 100 |
| HWU08954 | UNC | Zinc / Clear | #8-32 | 100 |
| HWU08967 | UNF | Zinc / Clear | #10-32 | 100 |
| HWU08980 | UNC | Zinc / Clear | #10-24 | 100 |
| HWU08993 | UNC | Zinc / Clear | #12-24 | 100 |
| HWU09019 | UNC | Zinc / Clear | 1/4"-20 | 100 |

GRADE 5 HEX NUTS (U.S.)

Table 11-76: Fasteners - Grade 5 Hex Nuts (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|----------------------|------------------|------------------|--------------------|
| HWC04878 | UNF | Cadmium | 3/8"-24 x 0.328" | Left Hand Thread | 25 |
| HWC04884 | UNF | Cadmium | 1/2"-20 x 0.438" | | 75 |
| HWC06960 | UNF | Zinc / Clear Iridite | 1/4"-28 x 0.218" | | 125 |

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|----------------------|-------------------|-------------|--------------------|
| HWC06964 | UNC | Zinc / Clear Iridite | 3/8"-16 x 0.328" | | 75 |
| HWC06982 | UNC | Zinc | #10-24 x 0.125" | | 25 |
| HWC06994 | UNC | Zinc / Clear Iridite | 1/4"-20 x 0.218" | | 100 |
| HWC06998 | UNF | Plain | 3/4"-16 x 1.00" | High | 5 |
| HWC07012 | UNF | Zinc | 5/16"-24 x 0.266" | | 125 |
| HWC07022 | UNC | Zinc | 7/16"-14 x 0.375" | | 50 |
| HWC07050 | UNF | Zinc | 1/2"-20 x 0.438" | | 10 |
| HWC07064 | UNF | Zinc | 1/2"-20 x 0.438" | | 25 |
| HWC07080 | UNC | Zinc / Black | 5/16"-18 x 0.266" | | 10 |

GRADE 5 HEX FLANGE NUTS (U.S.)



HWC07084

Table 11-77: Fasteners - Grade 5 Hex Flange Nuts (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|-------------------|-------------|--------------------|
| HWC07084 | UNF | Zinc | 5/8"-18 x 0.669" | Slotted | 10 |
| HWC12600 | UNF | Cadmium | 5/16"-24 x 0.266" | | 50 |

GRADE 5 NYLON HEX JAM LOCKNUT NUTS (U.S.)

Table 11-78: Fasteners - Grade 5 Hex Jam Nylon Locknut (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|--------------------|--------------|--------------------|
| HWC00101 | UNF | Cadmium | 1-1/4"-12 x 1.391" | N1610 | 1 |
| HWC00115 | UNC | Cadmium | 3/8"-16 x 0.453" | High Tensile | 5 |

GRADE 5 KEPS HEX JAM NUTS (METRIC)

Table 11-79: Fasteners - Grade 5 Keps Hex Jam Nut (Metric)

| Part No. | Thread Standard | Material/Finish | Measurements | Standard Pack Qty. |
|----------|-----------------|-----------------|--------------|--------------------|
| HWC05008 | ISO | Zinc | M6 x 1" | 50 |

GRADE 5 HEX JAM NUTS (U.S.)

Table 11-80: Fasteners - Grade 5 Hex Jam Nut (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|--------------------|-------------|--------------------|
| HWC07079 | UNF | | 1-1/8"-12 x 0.609" | Thick | 1 |
| HWC02482 | UNF | Zinc | 5/16"-18 | | 100 |
| HWC02498 | UNF | Cadmium Zinc | 1"-14 x 0.546" | | 4 |
| HWC02504 | UNF | Cadmium Zinc | 3/4"-16 x 0.422" | | 4 |
| HWC02552 | UNF | Plain | 3/8"-24 x 0.218" | | 25 |
| HWC04898 | UNF | Cadmium Zinc | 1/2"-20 x 0.313" | | 25 |
| HWC06988 | UNF | Cadmium | 5/16"-24 x 0.266" | | 25 |
| HWC07060 | UNC | Zinc | 1-1/4"-12 x 0.718" | | 1 |
| HWC07062 | UNC | Zinc / Yellow | 7/16"-14 x 0.250" | | 100 |
| HWU08519 | UNC | Plain | 1/2"-13 x 0.313" | | 50 |

GRADE 8 HEX NUTS (U.S.)



HWC06972



HWC01041

Table 11-81: Fasteners - Grade 8 Hex Nut (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|------------------|-------------|--------------------|
| HWC01041 | UNF | Cadmium | 3/4"-16 x 1.00" | High | 25 |
| HWC04886 | UNC | Cadmium | 1/2"-13 x 0.563" | | 50 |

| Part No. | Thread Standard | Material/ Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|------------------|--------------------|-------------|--------------------|
| HWC06972 | UNF | Cadmium | 1"-14 x 1.313" | High | 10 |
| HWC06990 | UNF | Cadmium | 1/2"-20 x 0.656" | High | 10 |
| HWC07014 | UNF | Cadmium | 5/8"-18 x 0.844" | | 10 |
| HWC07030 | UNF | Cadmium | 7/8"-14 x 1.156" | High | 4 |
| HWC07056 | UNF | Cadmium | 1-1/4"-12 x 1.688" | High | 5 |
| HWU05197 | UNC | Zinc / Yellow | 1/4"-20 | | 100 |
| HWU05210 | UNC | Zinc / Yellow | 5/16"-18 | | 100 |
| HWU05223 | UNC | Zinc / Yellow | 3/8"-16 | | 100 |
| HWU05236 | UNC | Zinc / Yellow | 7/16"-14 | | 50 |
| HWU05249 | UNC | Zinc / Yellow | 1/2"-13 | | 50 |
| HWU05262 | UNC | Zinc / Yellow | 9/16"-12 | | 25 |
| HWU05275 | UNC | Zinc / Yellow | 5/8"-11 | | 25 |
| HWU05288 | UNC | Zinc / Yellow | 3/4"-10 | | 20 |
| HWU05301 | UNC | Zinc / Yellow | 7/8"-9 | | 15 |
| HWU05314 | UNC | Zinc / Yellow | 1"-8 | | 10 |
| HWU05327 | UNF | Zinc / Yellow | 1/4"-28 | | 100 |
| HWU05340 | UNF | Zinc / Yellow | 5/16"-24 | | 100 |
| HWU05353 | UNF | Zinc / Yellow | 3/8"-24 | | 100 |
| HWU05366 | UNF | Zinc / Yellow | 7/16"-20 | | 50 |
| HWU05379 | UNF | Zinc / Yellow | 1/2"-20 | | 50 |
| HWU05392 | UNF | Zinc / Yellow | 9/16"-18 | | 25 |
| HWU05405 | UNF | Zinc / Yellow | 5/8"-18 | | 25 |
| HWU05418 | UNF | Zinc / Yellow | 3/4"-16 | | 20 |
| HWU05422 | UNF | Zinc | 3/4"-16 x 1.00" | High | 50 |
| HWU05431 | UNF | Zinc / Yellow | 7/8"-14 | | 15 |
| HWU05435 | UNF | Zinc | 7/8"-14 x 1.156" | | 5 |
| HWU05444 | UNF | Zinc / Yellow | 1"-14 NS | | 25 |

GRADE 8 HEX FLANGE NUTS (U.S.)

Table 11-82: Fasteners - Grade 8 Hex Flange Nut (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Standard Pack Qty. |
|----------|-----------------|-----------------|--------------|--------------------|
| HWU10636 | UNC | Plain | 1/2"-13 | 50 |
| HWU11931 | UNF | Plain | 5/8"-18 | 25 |
| HWU11944 | UNF | Plain | 3/4"-16 | 10 |
| HWU20623 | UNC | Plain | 3/8"-16 | 50 |
| HWU20649 | UNC | Plain | 5/8"-11 | 25 |
| HWU20662 | UNC | Plain | 3/4"-10 | 20 |

GRADE 8 HEX METAL LOCK NUTS (U.S.)



HWU05145

Table 11-83: Fasteners - Grade 8 Hex Metal Lock Nut (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Standard Pack Qty. |
|----------|-----------------|-----------------|-------------------|--------------------|
| HWC06840 | UNF | Cadmium | 7/16"-20 x 0.375" | 25 |
| HWC06900 | UNF | Zinc | 7/8"-14 x 0.750" | 1 |
| HWC07072 | UNF | Zinc | 3/4"-16 x 0.641" | 2 |
| HWU04937 | UNC | Zinc | 1/4"-20 | 100 |
| HWU04950 | UNC | Zinc | 5/16"-18 | 100 |
| HWU04963 | UNC | Zinc | 3/8"-16 | 100 |
| HWU04976 | UNC | Zinc | 7/16"-14 | 50 |
| HWU04989 | UNC | Zinc | 1/2"-13 | 50 |
| HWU05002 | UNC | Zinc | 9/16"-12 | 50 |
| HWU05015 | UNC | Zinc | 5/8"-11 | 50 |
| HWU05028 | UNC | Zinc | 3/4"-10 | 50 |
| HWU05041 | UNC | Zinc | 7/8"-9 | 25 |
| HWU05054 | UNC | Zinc | 1"-8 | 25 |

| Part No. | Thread Standard | Material/ Finish | Measurements | Standard Pack Qty. |
|----------|-----------------|------------------|--------------|--------------------|
| HWU05067 | UNF | Zinc | 1/4"-28 | 100 |
| HWU05080 | UNF | Zinc | 5/16"-24 | 100 |
| HWU05093 | UNF | Zinc | 3/8"-24 | 100 |
| HWU05106 | UNF | Zinc | 7/16"-20 | 50 |
| HWU05119 | UNF | Zinc | 1/2"-20 | 50 |
| HWU05132 | UNF | Zinc | 9/16"-18 | 50 |
| HWU05145 | UNF | Zinc | 5/8"-18 | 10 |
| HWU05171 | UNF | Zinc | 7/8"-14 | 25 |
| HWU05184 | UNF | Zinc | 1"-14 | 25 |

GRADE 8 HEX NYLON LOCK NUTS (U.S.)

Table 11-84: Fasteners - Grade 8 Hex Nylon Lock Nut (U.S.)

| Part No. | Thread Standard | Material/ Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|------------------|--------------------|---------------------------|--------------------|
| HWC00099 | UNF | Zinc / Yellow | 1/2"-20 | | 50 |
| HWC00107 | UNC | Cadmium Yellow | 1/4"-28 x 0.313" | N1610, Thick | 5 |
| HWC00113 | UNF | Cadmium | 1-1/2"-20 x 3" | | 1 |
| HWC00119 | UNC | Zinc / Yellow | 5/8"-11 | NNY1610 | 50 |
| HWC00147 | UNF | Zinc / Yellow | 7/16"-14 | NYY1610 | 50 |
| HWC00149 | UNF | Cadmium | 9/16"-18 x 0.641" | Thick, N1610 | 10 |
| HWC00151 | UNF | Zinc / Yellow | 1-1/8"-12 x 1.172" | N1610 | 2 |
| HWC02296 | UNF | Cadmium Yellow | 1/4"-20 x 0.313" | N1610 | 10 |
| HWC02374 | UNF | Zinc / Yellow | 5/16"-24 x 0.344" | High Carbon, High Tensile | 5 |
| HWC06866 | UNF | Zinc / Yellow | 7/16"-14 x 0.453" | High Carbon, High Tensile | 4 |
| HWC06868 | UNF | Cadmium | 3/4"-16 x 1.250" | N1260 | 4 |
| HWC06874 | UNF | Zinc | 1"-14 x 1.672" | High Carbon, High Tensile | 1 |
| HWC06894 | UNC | Cadmium | 1-1/4"-12 x 2.031" | N1260 | 1 |
| HWC06986 | UNF | Cadmium | 7/8"-14 x 1.438" | High Carbon, High Tensile | 2 |

| Part No. | Thread Standard | Material/ Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|------------------|--------------------|---------------------------|--------------------|
| HWC07199 | UNF | Zinc / Yellow | 3/4"-16 x 0.875" | High Carbon, High Tensile | 4 |
| HWU05446 | UNC | Zinc / Yellow | 1-1/4"-12 x 1.063" | | 1 |
| HWU05447 | UNF | Zinc / Yellow | 1/4"-20 x 0.313" | N1610 | 100 |
| HWU05448 | UNC | Zinc / Yellow | 5/16"-18 x 0.344" | N1610 | 100 |
| HWU05457 | UNC | Zinc / Yellow | 3/8"-16 x 0.453" | N1610 | 100 |
| HWU05470 | UNC | Zinc / Yellow | 7/16"-14 x 0.453" | N1610 | 100 |
| HWU05483 | UNF | Zinc / Yellow | 9/16"-12 x 0.641" | N1610 | 50 |
| HWU05496 | UNC | Zinc / Yellow | 3/4"-10 x 0.875" | N1610 | 25 |
| HWU05509 | UNC | Zinc / Yellow | 7/8"-9 x 0.984" | N1610 | 25 |
| HWU05522 | UNC | Zinc / Yellow | 1"-8 x 1.047" | N1610 | 25 |
| HWU05548 | UNC | Zinc / Yellow | 1/4"-28 x 0.313" | N1610 | 100 |
| HWU05561 | UNC | Zinc / Yellow | 5/16"-24 x 0.344" | N1610 | 100 |
| HWU05574 | UNC | Zinc / Yellow | 3/8"-24 x 0.453" | N1610 | 100 |
| HWU05587 | UNF | Zinc / Yellow | 7/16"-20 x 0.453" | N1610 | 100 |
| HWU05600 | UNF | Zinc / Yellow | 1/2"-20 x 0.594" | N1610 | 100 |
| HWU05613 | UNF | Zinc / Yellow | 9/16"-18 x 0.641" | N1610 | 50 |
| HWU05626 | UNF | Zinc / Yellow | 5/8"-18 x 0.750" | N1610 | 50 |
| HWU05639 | UNF | Zinc / Yellow | 7/8"-14 x 0.984" | N1610 | 25 |
| HWU05652 | UNF | Cadmium Yellow | 1/2"-20 x 0.594" | N1610 | 10 |
| HWU05665 | UNF | Cadmium Yellow | 5/8"-11 x 0.750" | N1610 | 10 |
| HWU05691 | UNF | Zinc / Yellow | 1/2"-13 x 0.594" | N1610 | 100 |

GRADE 10 HEX NUTS (METRIC)

Table 11-85: Fasteners - Grade 10 Hex Nut (Metric)

| Part No. | Thread Standard | Material/ Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|------------------|-------------------|-------------|--------------------|
| HWC04906 | ISO | | M10-1.50 x 7.90mm | Thick | 25 |
| HWC04918 | ISO | Zinc / Black | M5-0.80 x 4.35mm | | 125 |
| HWC04924 | ISO | Cadmium | M10-1.50 x 7.90mm | | 25 |
| HWC04930 | ISO | Cadmium | M6-1.00 x 5.45mm | | 50 |
| HWC07052 | ISO | Zinc | M8-1.25 x 6.620mm | | 25 |

| Part No. | Thread Standard | Material/ Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|------------------|--------------|-------------|--------------------|
| HWU11299 | ISO | Zinc | M6-1.00 | | 100 |
| HWU11312 | ISO | Zinc | M8-1.25 | | 100 |
| HWU11325 | ISO | Zinc | M10-1.50 | | 50 |
| HWU11338 | ISO | Zinc | M12-1.75 | | 50 |
| HWU11351 | ISO | Zinc | M16-2.00 | | 25 |
| HWU11364 | ISO | Zinc | M20-2.50 | | 25 |

GRADE 10 HEX METAL LOCK NUTS (METRIC)

Table 11-86: Fasteners - Grade 10 Metal Lock Nut (Metric)

| Part No. | Thread Standard | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|--------------|--------------------|--------------------|
| HWU11721 | ISO | Zinc / Clear | M6-1.00 | 200 |
| HWU11734 | ISO | Zinc / Clear | M8-1.25 | 100 |
| HWU11760 | ISO | Zinc / Clear | M12-1.75 | 50 |
| HWC00198 | ISO | Magnesium | M16-2.00 x 14.65mm | 5 |

GRADE 10 HEX NYLON LOCK NUTS (METRIC)



HWU02501



HWU02726

Table 11-87: Fasteners - Grade 10 Nylon Lock Nut (Metric)

| Part No. | Thread Standard | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|---------------|--------------------|--------------------|
| HWC04904 | ISO | Cadmium | M10-1.50 x 11.40mm | 25 |
| HWC04910 | ISO | Zinc / Yellow | M16-2.00 x 18.50mm | 4 |
| HWC04916 | ISO | Cadmium | M20-2.50 x 22.15mm | 10 |
| HWC07179 | ISO | Cadmium | M12-1.75 x 14.40mm | 20 |

| Part No. | Thread Standard | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|---------------|--------------------|--------------------|
| HWC12435 | ISO | Cadmium | M5-0.80 x 6.40mm | 25 |
| HWC12501 | ISO | Zinc / Yellow | M16-2.00 x 18.50mm | 20 |
| HWC12514 | ISO | Cadmium | M12-1.75 x 14.40mm | 50 |
| HWC12700 | ISO | Cadmium | M10-1.50 x 11.40mm | 50 |
| HWC12706 | ISO | Cadmium | M12-1.75 x 14.40mm | 50 |
| HWC12713 | ISO | Cadmium | M8-1.25 x 11.40mm | 50 |
| HWC12726 | ISO | Cadmium | M6-1.00 x 7.60mm | 50 |
| HWU11608 | ISO | Zinc | M5-0.80 | 200 |
| HWU11621 | ISO | Zinc | M6-1.00 | 200 |
| HWU11634 | ISO | Zinc | M8-1.25 | 100 |
| HWU11647 | ISO | Zinc | M10-1.50 | 100 |
| HWU11660 | ISO | Zinc | M12-1.75 | 50 |
| HWU11673 | ISO | Zinc | M14-2.00 | 25 |
| HWU11686 | ISO | Zinc | M16-2.00 | 25 |

GRADE 10.9 HEX NUTS (METRIC)

Table 11-88: Fasteners - Grade 10 Hex Nut (Metric)

| Part No. | Thread Standard | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|--------------|-----------------|--------------------|
| HWC04928 | ISO | Magnesium | M20-2.50 x 18mm | 4 |

GRADE 10.9 METAL LOCK NUTS (METRIC)

Table 11-89: Fasteners - Grade 10 Metal Lock Nut (Metric)

| Part No. | Thread Standard | Material/ Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|------------------|---------------------|-------------------|--------------------|
| HWC06904 | ISO | Cadmium / Clear | M12-1.75 x 10.985mm | Thick, Stover Nut | 25 |

ASSEMBLY NUTS (METRIC)

Table 11-90: Fasteners - Nuts - Assembly (Metric)

| Part No. | Thread Standard | Subtype | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|---------|-----------------|--------------|---------------------------|--------------------|
| HWC04842 | ISO | Keps | Zinc | M5 | With External Star Washer | 25 |
| HWC04844 | ISO | Keps | Zinc | M5 | With Star Washer | 25 |

ASSEMBLY NUTS (U.S.)

Table 11-91: Fasteners - Nut Assemblies (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|------------------|----------------------------------|--------------------|
| HWC00017 | UNC | Zinc | 1/4"-20 x 0.281" | Thin, Heavy Tensile | 50 |
| HWC00029 | UNF | Zinc | 1/4"-28 x 0.313" | Thin, Type NE, Proprietary Grade | 50 |

ASSORTED FLANGE NUTS (U.S.)

Table 11-92: Fasteners - Assorted Flange Nuts (U.S.)

| Part No. | Thread Standard | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|------------------|----------------------------|--------------------|
| HWC06858 | UNF | 1/2"-20 x 13/16" | Thick, Self-Locking Spline | 1 |

ASSORTED HEX NUTS (METRIC)

Table 11-93: Fasteners - Assorted Hex Nuts (Metric)

| Part No. | Thread Standard | SubType | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|---------|-----------------|------------------|-------------|--------------------|
| HWC04431 | ISO | | Brass | M8-1.25 x 6.40mm | Thick | 125 |
| HWC04565 | ISO | | Stainless Steel | M8-125 | | 10 |
| HWC04920 | ISO | | Stainless Steel | M5-0.80 | | 10 |

| Part No. | Thread Standard | SubType | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|----------|-----------------|-------------------|--------------------------------|--------------------|
| HWC04942 | ISO | Top Lock | Cadmium Zinc | M16 | Prevailing Torque | 15 |
| HWC06957 | ISO | | Stainless Steel | M10-1.50 x 8.22mm | | 10 |
| HWC06974 | ISO | Keps | External Steel | M4-0.70 x 4.030T | With Pre-Assembled Star Washer | 20 |

ASSORTED HEX NUTS (U.S.)

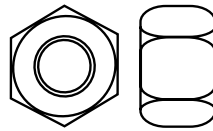


Table 11-94: Fasteners - Assorted Hex Nuts (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|---------------------------|------------------|--|--------------------|
| HWC00007 | UNF | Zinc | 1/4"-20 x 0.296" | Locking Head, Serrated | 50 |
| HWC02494 | UNC | PVC Plastic | 5/8"-11 x 0.550" | | 4 |
| HWC04944 | UNC | Stainless Steel | 1/4"-20 x 0.218" | | 10 |
| HWC06908 | UNC | Stainless Steel | 3/8"-16 x 0.328" | | 25 |
| HWC06992 | UNC | Stainless Steel, Wax Coat | 5/16"-18 | | 10 |
| HWC07006 | UNC | Polished Stainless Steel | 3/8"-16 x 0.328" | | 10 |
| HWC07075 | UNC | Stainless Steel | 3/8"-16 | | 50 |
| HWC07078 | UNC | Zinc | 1/2"-20 x 0.594" | Thin, Type NE, | 25 |
| HWC10633 | UNC | Zinc | #10-24 | Hex Nut with Extended Toothlock Washer | 25 |

ASSORTED HEX FLANGE NUTS (U.S.)

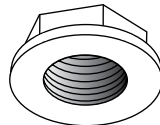


Table 11-95: Fasteners - Assorted Hex Flange Nuts (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|-------------------|-----------------|--------------------|
| HWC06601 | UNC | Zinc | 5/16"-18 x 0.275" | Thick, Serrated | 50 |
| HWC10638 | UNC | Stainless Steel | 7/16"-14 | | 50 |
| HWC10642 | UNS | Stainless Steel | 1/2"-14 | | 50 |
| HWU10602 | UNC | Stainless Steel | 10-24 | | 200 |

ASSORTED HEX JAM (U.S.)

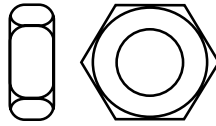


Table 11-96: Fasteners - Assorted Hex Jam Nuts (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|------------------|------------------|----------------|--------------------|
| HWC04905 | UNF | Hardened Cadmium | 7/8"-14 x 0.906" | Thick, Slotted | 1 |
| HWC12040 | UNF | Zinc | 1/2"-20 | | 10 |
| HWU10615 | UNC | Stainless Steel | 1/4"-20 | | 100 |
| HWU10628 | UNC | Stainless Steel | 5/16"-18 | | 100 |

ASSORTED HEX JAM SWITCH NUTS (U.S.)

Table 11-97: Fasteners - Assorted Nuts - Hex Jam Switch (U.S.)

| Part No. | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|--------------|--------------------|
| HWC07066 | n/a | 15/32" x 0.075" | Thick, Black | 25 |

ASSORTED JAM (U.S.)

Table 11-98: Fasteners - Assorted Hex Jam Nut (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Standard Pack Qty. |
|----------|-----------------|-----------------|--------------|--------------------|
| HWC02560 | UNF | Plain | 5/16"-18 | 25 |

ASSORTED KEPS HEX JAM NUTS (U.S.)

Table 11-99: Fasteners - Assorted Keps Hex Jam Nuts (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|------------------|----------------|--------------------|
| HWC00013 | UNC | Zinc | 1/4"-20 x 0.203" | Thin, Type NTE | 75 |

ASSORTED LOCK NUTS (U.S.)

Table 11-100: Fasteners - Assorted Lock Nuts (U.S.)

| Part No. | Thread Standard | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|------------------------|----------------|--------------------|
| HWC00148 | UNC | Zinc | 5/16"-18 x 1/2" x 1/4" | Lock, Serrated | 100 |
| HWC00001 | UNF | Cadmium | 1/2"-13 | | 15 |
| HWC02292 | UNC | Zinc | 7/16"-20 x 0.453" | Thin, Type NE | 50 |

NYLON LOCK HEX NUTS (METRIC)

Table 11-101: Fasteners - Nuts - Hex Nylon Lock Nut (Metric)

| Part No. | Thread Standard | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------------|----------------|--------------------|
| HWC01141 | ISO | Stainless Steel | M8-1.25 x 8mm | 10 |
| HWC04908 | ISO | Stainless Steel | M10-1.50 x 10T | 1 |
| HWC04940 | ISO | Stainless Steel | M5-0.80 x 5mm | 25 |
| HWC05002 | ISO | Stainless Steel | M6-1.00 x 6mm | 10 |
| HWC12440 | ISO | Stainless Steel | M6-1.00 x 6mm | 10 |

NYLON LOCK HEX NUTS (U.S.)



HWC02488



HWC00063



HWC00077

Table 11-102: Fasteners - Nuts - Hex Nylon Lock Nut (U.S.)

| Part No. | Thread Standard | SubType | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|---------|-----------------|--------------------|---------------------------|--------------------|
| HWC00027 | UNF | Hex | Cadmium | 3/4"-10 x 0.875" | Thick, Type NE | 10 |
| HWC00033 | UNC | | Cadmium Zinc | 5/16"-18 x 0.344" | Thin, Type NE | 50 |
| HWC00037 | UNF | | Cadmium Zinc | 5/16"-24 x 0.344" | Thin, Type NE | 50 |
| HWC00045 | UNF | | Cadmium Yellow | 1/2"-20 x 0.594" | Thin, Type NE | 25 |
| HWC00049 | UNF | Hex | Cadmium | 9/16"-18 x 0.641" | Thick, Type NE | 25 |
| HWC00057 | UNF | Hex | Cadmium / Zinc | 3/4"-16 x 0.875" | Thick, Type NE | 10 |
| HWC00059 | UNF | | Zinc | 1"-14 x 1.047" | Thin, Type NE | 4 |
| HWC00063 | UNF | | Zinc | 3/4"-16 x 0.406" | Thin, Type NTE | 10 |
| HWC00067 | UNF | | Cadmium | 3/4"-16 x 0.875" | Thin, Type NE | 10 |
| HWC00071 | UNF | | Cadmium Yellow | 7/8"-14 x 0.984" | Thin, Type NE | 10 |
| HWC00073 | UNC | Hex | Steel / Plain | 3/4"-10 x 0.875" | Thick, Type NE | 10 |
| HWC00075 | UNF | | Plain | 1-1/8"-12 x 1.172" | Thin, Type NE | 4 |
| HWC00077 | UNF | | Cadmium | 1-1/4"-12 x 1.391" | Thin | 2 |
| HWC00103 | UNF | Hex Jam | Cadmium | 1-3/8"-12 x 1.578" | Thick, High Tensile | 1 |
| HWC00117 | UNF | Hex | Zinc / Yellow | 3/8"-24 x 0.453" | High Carbon, High Tensile | 5 |
| HWC00121 | UNF | Hex | Cadmium | 7/16"-20 x 0.453" | Thick, High Tensile | 4 |
| HWC00137 | UNF | | Steel / Plain | 1/2"-20 x 0.594" | N1610, Thick | 4 |
| HWC00141 | UNC | | Cadmium | 1/4"-20 x 0.313" | Thin, Type NE | 100 |
| HWC00153 | UNF | Hex | Cadmium | 1"-14 x 1.047" | N1260 | 2 |
| HWC00169 | UNC | Hex | Zinc / Steel | 3/8"-16 x 0.453" | Thick | 50 |
| HWC01205 | UNC | Hex | Cadmium Yellow | 3/8"-16 x 0.453" | High Tensile | 10 |
| HWC02488 | UNF | Hex | Zinc | 1/2"-20 x 0.812" | Proprietary Grade, N1260 | 4 |

| Part No. | Thread Standard | SubType | Material/ Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|---------|---------------------|--------------------|--------------------------------|--------------------|
| HWC04183 | UNC | | Cadmium | #6-32 x 0.178" | Type NM | 75 |
| HWC04185 | UNC | Hex | Cadmium | 3/8"-16 x 0.453 | Type NE | 50 |
| HWC04820 | UNF | Hex | Cadmium | 5/16"-24 x 0.250" | Type NT, Proprietary Grade | 50 |
| HWC04830 | UNC | Hex | Cadmium | 1/2"-13 x 0.594" | Type NE | 15 |
| HWC04839 | UNC | | Zinc | 1/2"-13 | Thin, Locking | 1 |
| HWC04846 | UNF | | Cadmium | #10-32 x 0.239" | Thin, Type NM | 75 |
| HWC04848 | UNF | | Cadmium | #10-32 x 0.172" | Type NTM | 25 |
| HWC04890 | UNC | | Cadmium | #12-24 x 0.313" | Type NM | 50 |
| HWC04894 | UNF | | Cadmium | 3/8"-24 x 0.453" | Thin, Type NE | 25 |
| HWC04900 | UNC | | Cadmium | 5/8"-11 x 0.750" | Thin, Type NE | 25 |
| HWC04902 | UNC | Hex | Brass | 5/16"-24 x 0.344" | Thick | 50 |
| HWC04934 | UNC | | Cadmium Zinc | #8-32 x 0.229" | Thin, Type NM | 75 |
| HWC06143 | UNC | | Zinc | #10-24 x 0.239" | Thin, Type NM | 100 |
| HWC06591 | UNC | Hex | Cadmium | 1/4"-20 x 0.296" | Type NTU, Proprietary Grade | 25 |
| HWC06846 | UNC | Hex | Cadmium | 7/16"-14 x 0.453" | Type NE | 75 |
| HWC06861 | UNC | | Stainless Steel | #8-32 x 0.229" | Thin, Type NM | 25 |
| HWC06864 | UNC | | Stainless Steel | 1/4"-20 x 0.313" | Thin, Type NE | 25 |
| HWC06870 | | | Cadmium Yellow | 1"-14 x 1.047" | Thick, High Tensile | 2 |
| HWC06884 | UNC | | Stainless Steel | 5/16"-18 x 0.344" | Thin, Type NE | 15 |
| HWC06912 | UNC | | Stainless Steel | #10-24 x 0.239" | Thin, Type NM | 75 |
| HWC06924 | UNC | | Stainless Steel | 1/4"-20 x 0.313" | Thin, Type NE | 50 |
| HWC06926 | UNC | | Stainless Steel | #10-24 x 0.239" | Thin, Type NM | 25 |
| HWC06958 | UNF | | Zinc | 1/2"-20 x 0.313" | Thin | 10 |
| HWC07044 | UNC | | Cadmium | #6-32 x 0.125" | Type NTM | 10 |
| HWC07045 | | | Cadmium | 1"-14 x 0.890" | Thick, Type NE | 5 |
| HWC07074 | UNC | | Nylon | 1/2"-13 x 0.328" | Thick NTE | 50 |
| HWC10708 | UNC | Hex | Stainless Steel | 3/8"-16 x 0.453" | Type NE | 100 |
| HWC10712 | UNC | | Stainless Steel | 1/2"-13 x 0.594" | Thin | 100 |
| HWC12430 | UNC | | Cadmium | #10-24 x 0.239" | Type NM | 100 |
| HWU05519 | UNF | | Zinc / Yellow | 1-1/4"-12 x 2.031" | Thick NNY1260 | 1 |
| HWU05704 | UNF | Hex | Zinc / Yellow | 1"-12 x 1.047" | N1610 | 25 |
| HWU10667 | UNC | Hex | Stainless Steel | #8-32 | Type NM | 100 |

| Part No. | Thread Standard | SubType | Material/ Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|---------|------------------|--------------|-------------|--------------------|
| HWU10693 | UNC | Hex | Stainless Steel | 1/4"-20 | Type NE | 100 |
| HWU10706 | UNC | Hex | Stainless Steel | 5/16"-18 | Type NE | 100 |

SPECIALTY NUTS (METRIC)

Table 11-103: Fasteners - Specialty Nuts (Metric)

| Part No. | Thread Standard | SubType | Material/ Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------|------------------|---------------------|-------------------------|--------------------|
| HWC00036 | ISO | Clip | Plain | M8-1.25 | U-Nut, Short, Tinnerman | 25 |
| HWC00401 | ISO | Clip | Cadmium | M10-1.5 | U-Nut, Palnut® | 5 |
| HWC01219 | ISO | Acorn | Stainless Steel | M6-1.00 | Acorn Nut, Self Lock | 2 |
| HWC04834 | ISO | Acorn | Nylon / Black | M8-1.25 x 7.50mm | Cap Nut | 10 |
| HWC04858 | ISO | Acorn | Stainless Steel | M10 | Acorn Nut, Self Lock | 4 |
| HWC04946 | ISO | Specialty | Cadmium | M6 x 1 | Self-Retaining | 10 |
| HWC05010 | ISO | Weld | Plain | M8 x 1.25 | Weld Nut | 10 |
| HWC06485 | ISO | Acorn | Nylon / Black | M5-0.8 | Acorn Nut | 20 |
| HWC06549 | ISO | Clip | Steel / Black | M6-1.00 | Type U Speed Nut, Short | 4 |
| HWC06979 | ISO | Clip | Steel / Black | M6-1.00 x 4.0-6.5mm | Type U Speed Nut, Long | 1 |
| HWC07034 | ISO | Acorn | Stainless Steel | M6-1.00 x 12 | Acorn Nut | 4 |
| HWC07195 | ISO | Clip | Steel / Zinc | M8 | U-Nut | 6 |
| HWC09324 | ISO | Wing | Zinc | M10 x 50 | Wing Nut | 10 |
| HWC09395 | ISO | Weld | Plain | M10-1.5 x 12.05mm | Weld Hex Nut | 25 |

SPECIALTY NUTS (U.S.)



HWC07100



HWC07146



HWC07117



HWC02418

Table 11-104: Fasteners - Specialty Nuts (U.S.)

| Part No. | Thread Standard | SubType | Material/Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|-----------|--------------------------------------|-----------------------|---------------------------|--------------------|
| HWC02294 | UNF | Lock | | 7/16"-20 | Locknut, Stover | 25 |
| HWC01483 | | Specialty | Zinc / Black | 15/32" | Face Nut, Switch, 6-Point | 50 |
| HWC02418 | UNC | Wing | Zinc | 3/8"-16 | Wing Nut, ESNA | 10 |
| HWC02452 | UNF | Clip | Steel / Black | #10-32 | Clip Nut | 25 |
| HWC03010 | | Clip | Steel / Olive Drab | #10, 0.031 | Tinnerman Speed Nut | 50 |
| HWC03012 | UNC | Clip | Steel / Black | 1/4"-20 | Self-Retained Speed Nut | 4 |
| HWC04760 | | Clip | Steel / Black with Phosphate and Oil | #8 | U-Nut, Self Retaining | 10 |
| HWC04824 | | Clip | Black | 5/16" | Speed Nut, Push-On Cap | 10 |
| HWC04862 | UNF | Anchor | Zinc | #10-32 | Anchor | 1 |
| HWC04892 | UNF | Specialty | Steel | 3/4"-16 x 0.200" | | 1 |
| HWC06039 | | Specialty | Zinc / Black | 15/32"-32 x 0.175" | Switch, Round Slotted | 4 |
| HWC06189 | UNC | Clip | Steel / Black | 1/4"-20 | C30110-1420-24 | 10 |
| HWC06830 | UNC | Clip | Steel / Black | 5/16"-18 x 0.05-0.20" | Type U Speed Nut | 25 |
| HWC06975 | UNC | Wing | Zinc | 3/8"-16 | Wing Nut | 25 |
| HWC07004 | UNC | Acorn | Stainless Steel | 3/8"-16 x 0.620" | Acorn Nut | 5 |
| HWC07032 | UNC | Acorn | Stainless Steel | 1/4"-20 x 0.470" | Acorn Nut | 25 |
| HWC07090 | UNC | Clip | Steel / Black | #10-24 x 0.10-0.12" | Type U Speed Nut | 10 |
| HWC07092 | UNC | Clip | Steel / Black | #10-24 x 0.12-0.13" | Type U Speed Nut | 10 |

| Part No. | Thread Standard | SubType | Material/ Finish | Measurements | Description | Standard Pack Qty. |
|----------|-----------------|---------|------------------|----------------------|------------------------------------|--------------------|
| HWC07100 | UNC | Clip | Steel / Black | 1/4"-20 x 0.03-0.15" | Type U Speed Nut | 25 |
| HWC07106 | UNC | Clip | Steel / Black | 1/4"-20 x 0.05-0.08" | Type U Speed Nut | 10 |
| HWC07108 | UNF | Clip | Steel / Black | #10-32 x 0.05-0.07" | Type U Speed Nut | 5 |
| HWC07115 | UNC | Weld | Plain | 1/4"-20 x 9/32" | Weld Nut, 4 Projection | 100 |
| HWC07117 | UNF | | Steel / Nylon | 3/4"-16 x 1-1/2" | Steering Wheel Nut with Lock Patch | 1 |
| HWC07120 | UNC | Wing | Nylon | 1/4"-20 | Self-Locking | 4 |
| HWC07135 | UNC | Acorn | Stainless Steel | 1/2"-13 x 13/16" | Acorn Nut | 100 |
| HWC07146 | | Clip | Steel | 3/16" | Speed, Trim Plate | 10 |
| HWC07156 | UNC | Clip | Steel / Black | #10-24 | Retainer Nut, Speed Grip | 15 |
| HWC07738 | UNC | Clip | Steel / Black | #10-24 | Speed Nut | 10 |
| HWC07766 | UNC | Clip | Steel / Black | 3/8"-16 x 0.05-0.20" | Type U Speed Nut | 5 |
| HWC07778 | UNC | Clip | Steel / Black | #10-24 | U-Nut | 10 |

PINS

SPECIAL PINS (METRIC)

Table 11-105: Fasteners - Special Pins (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|-------------|--------------------|
| HWC04221 | M3 Roll Pin | 25 |

SPECIAL PINS (U.S.)



Table 11-106: Fasteners - Special Pins (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC02672 | 3/16" x 1/2" x 0.042", Spring, Stainless Steel | 25 |
| HWC06951 | 1/2" x 6", Pin Fuel Tank Strap to Bracket, Olive Drab | 1 |
| HWC07140 | 3/32" x 3/4" x 0.022", Spring, Stainless Steel | 25 |
| HWC14950 | 1/8" x 0.250" x 1.188", Hitch, with Safety Clip, Zinc | 25 |

RIVETS

ASSORTED RIVETS

Table 11-107: Fasteners - Rivets - Assorted

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC04601 | 3/16" x 5/16", Aluminum, Anodized Yellow | 25 |
| HWC04605 | 3/16" x 5/16", T4 (Hard) Aluminum | 15 |
| HWC05050 | 3/16" x 5/16" | 10 |

BLIND RIVETS

Table 11-108: Fasteners - Rivets - Blind

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC09241 | 1/4" x 3/8", Magna-Lok, Stainless Steel Rivet Assembly with Plastic Sleeve | 15 |
| HWC04065 | 3/16" x 3/8" | 2 |
| HWC04265 | 3/16" x 1/4", 0.450" Grip Length | 50 |
| HWC04999 | 1/8" x 1/4", 0.400" Grip Length | 4 |
| HWC05053 | 3/16", Steel/Steel, Zinc | 10 |
| HWC05054 | 3/16" x 0.625", Aluminum/Steel | 25 |
| HWC05056 | 1/8" x 3/16" | 10 |
| HWC05057 | 1/8" x 1/4", 0.425" Grip Length | 10 |
| HWC05059 | 1/8" x 3/16", Black | 1000 |
| HWC05074 | 3/16" x 1/8", Aluminum | 10 |
| HWC07230 | 5/32", Aluminum, Protruding | 25 |
| HWC07242 | 3/16", 0.500-0.875" Grip Ring | 4 |
| HWC12005 | 1/8" x 0.250", Countersunk, Aluminum | 100 |

BLIND BRAZIER RIVETS

Table 11-109: Fasteners - Rivets - Blind

| Part No. | Description | Standard Pack Qty. |
|----------|--------------|--------------------|
| HWC05062 | 3/16" x 5/8" | 10 |

BLIND BREAK MANDREL RIVETS

Table 11-110: Fasteners - Rivets - Blind - Break Mandrel

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------------------|--------------------|
| HWC04770 | 3/16" x 0.500", Aluminum / Black | 25 |
| HWC04774 | 3/16" x 14.6, Aluminum | 10 |
| HWC05070 | 3/16" | 75 |
| HWC10949 | 3/16", 6-6, Aluminum | 5 |

BLIND DOME RIVETS

Table 11-111: Fasteners - Rivets - Blind - Dome

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC01237 | 3/16" x 3/8" | 10 |
| HWC02726 | 1/8", 0.37" x 0.500" Grip, Aluminum | 100 |
| HWC02730 | 3/16" x 0.500", Aluminum | 75 |
| HWC04237 | 3/16" x 0.250", Aluminum/Steel - Black | 15 |
| HWC05058 | 3/16" x 0.250", Aluminum/Steel - Plain | 25 |
| HWC07182 | 3/16" x 0.250", Stainless Steel, Protruding | 10 |
| HWC07188 | 5/32", Aluminum/Steel | 5 |
| HWC07220 | 1/8", Aluminum/Steel | 50 |
| HWC07222 | 3/16", Aluminum/Steel | 50 |
| HWC07224 | 3/16" x 0.438-0.750", Aluminum | 4 |
| HWC07232 | 3/16", Aluminum | 25 |

BLIND LARGE FLANGE RIVETS

Table 11-112: Fasteners - Rivets - Blind - Large Flange

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC02706 | 3/16" x 0.250", Aluminum | 50 |
| HWC06832 | 3/16" x 1.00", Aluminum/Steel, Heavy Duty | 25 |
| HWC07073 | 3/16" x 0.781", Aluminum/Steel, Heavy Duty | 50 |
| HWC07186 | 1/8", Aluminum/Steel | 25 |
| HWC07236 | 1/8", Aluminum | 25 |

BLIND LARGE FLANGE DOME RIVETS

Table 11-113: Fasteners - Rivets - Bind - Large Flange Dome

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC06464 | 3/16" x 0.438-0.750", 12.7 mm - 19.8 mm Grip Ring, Aluminum Body, Steel Phosphate Madrel | 25 |

BLIND MANDREL RIVETS

Table 11-114: Fasteners - Rivets - Bind - Mandrel

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------|--------------------|
| HWC05072 | 5/32" x 0.500", Aluminum | 10 |

BLIND UNIVERSAL MONEL RIVETS

Table 11-115: Fasteners - Rivets - Bind - Universal Monel

| Part No. | Description | Standard Pack Qty. |
|----------|--------------|--------------------|
| HWC07184 | 5/32", Monel | 4 |

HIGH STRENGTH DOME RIVETS

Table 11-116: Fasteners - Rivets - High Strength - Dome

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC02168 | 1/4" x 0.625", Maglock Fastener, Steel | 50 |
| HWC02169 | 1/4" x 0.625", Extended Magnagrip, Blind Fastener, Steel | 40 |
| HWC02171 | 3/16" x 0.270", Magna-Lok, Steel | 25 |
| HWC02728 | 1/4" x 0.375", Pop, Steel | 25 |
| HWC03421 | 3/16" x 0.437", Extended Grip, Aluminum | 10 |
| HWC06163 | 1/4" x 0.375", Magna-Lok, MGLP U8-6, Burnished Stainless Steel | 10 |

HIGH STRENGTH HUCK RIVETS

Table 11-117: Fasteners - Rivets - High Strength - Huck

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC00900 | 3/16" x 0.062-0.270" Grip, Aluminum | 50 |
| HWC01846 | 1/4" x 0.125" x 0.313", Break Mandrel, Zinc | 25 |
| HWC02152 | 1/4" x 0.080-0.375", Aluminum | 25 |
| HWC02162 | 1/4" x 3/8", Blind, Magna-Lok, Stainless Steel | 10 |
| HWC02213 | 3/16" x 0.189", Magna, Bulb, Steel | 25 |
| HWC06309 | 1/4" x 3/8", Blind, Magna-Lok, Aluminum | 15 |
| HWC07133 | 1/4", Huck-Lok, Steel | 10 |
| HWC07218 | 1/4" x 0.346", Zinc | 15 |
| HWC07234 | 1/4" x 0.268", Zinc | 10 |
| HWC12030 | 1/4" x 0.080-0.375", Steel, Clear Coating | 25 |

HUCK RIVETS

Table 11-118: Fasteners - Rivets - Huck

| Part No. | Description | Standard Pack Qty. |
|----------|------------------------------|--------------------|
| HWC06185 | 1/4" Steel, Structural, Zinc | 50 |

MULTI-GRIP DOME RIVETS

Table 11-119: Fasteners - Rivets - Multi-Grip - Dome

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------------|--------------------|
| HWC07226 | 3/16" x 0.188-0.375", Aluminum | 50 |

MULTI-GRIP LARGE FLANGE RIVETS

Table 11-120: Fasteners - Rivets - Multi-Grip - Large Flange

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------------------|--------------------|
| HWC07238 | 3/16" x 0.251-0.500", Aluminum/Steel | 2 |

SOLID BRAZIER RIVETS

Table 11-121: Fasteners - Rivets - Solid - Brazier

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------|--------------------|
| HWC02702 | 3/16" x 3/8", Aluminum | 5 |
| HWC05060 | 3/16" x 3/8" | 25 |
| HWC07190 | 3/16" x 0.500", Aluminum | 75 |
| HWC07212 | 3/16" x 0.625", Aluminum | 25 |
| HWC07214 | 3/16" x 5/8", Aluminum | 50 |
| HWC12015 | 3/16" x 1/2", Aluminum | 25 |

SPECIAL DRIVE, BRAZIER RIVETS (U.S.)

Table 11-122: Fasteners - Rivets - Special - Drive, Brazier (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC07194 | 3/16" x 0.344", Aluminum, (38-206-06-13) | 10 |
| HWC07196 | 3/16" x 0.406", Aluminum, (38-206-08-13) | 5 |
| HWC07198 | 3/16" x 0.469", Aluminum, (38-206-12-13) | 5 |

SPECIAL NATIONAL RIVETS (U.S.)

Table 11-123: Fasteners - Rivets - Special - National Rivet (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|------------------------------------|--------------------|
| HWC07178 | 14-8, National Rivet, Brass, Split | 50 |

SPECIAL NYLON RIVETS (METRIC)

Table 11-124: Fasteners - Rivets - Special - Nylon (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC01273 | 19.1mm x 8.7mm (8.7mm - 12.7mm), White Nylon | 25 |
| HWC11510 | 19.1mm x 5.7mm (5.9mm - 7.3mm), Gray Nylon | 10 |

SPECIAL REMOVABLE RIVETS (U.S.)

Table 11-125: Fasteners - Rivets - Special - Removable (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------------------|--------------------|
| HWC00226 | 0.335" x 0.169-0.244", Removable | 5 |

SPECIAL SHAVEABLE, BRAZIERE RIVETS (U.S.)

Table 11-126: Fasteners - Rivets - Special - Shaveable, Brazier (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC00026 | 3/16" x 0.375", Shaveable, with Washer, Aluminum | 10 |

SPECIAL TRI FOLD RIVETS (U.S.)

Table 11-127: Fasteners - Rivets - Special - Tri Fold (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------------------|--------------------|
| HWC05068 | 1/4" x 1/2", Dome, Mandrel, Aluminum | 10 |
| HWC10936 | 1/4" x 5/8", Aluminum, RV6606-8-10 | 10 |

SPECIAL TUFFLEX RIVETS (U.S.)

Table 11-128: Fasteners - Rivets - Special - Tufflex (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC06718 | 0.228-0.238", Screw-Type, Black Plastic | 4 |

UNIVERSAL RIVETS

Table 11-129: Fasteners - Rivets - Universal

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------------------|--------------------|
| HWC02698 | 3/16" x 1/2", Heavy Duty | 50 |
| HWC05044 | 3/32" x 1/4", Aluminum, (AN470AD3-4) | 10 |

SPECIAL SEMI TUBULAR RIVETS (U.S.)

Table 11-130: Fasteners - Rivets - Special - Semi Tubular (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------------------|--------------------|
| HWC02734 | 1/4" x 5/8", Brass Plated Steel | 50 |
| HWC02736 | 1/4" x 1/2", Brass Plated Steel | 25 |
| HWC02738 | 1/4" x 9/16", Brass Plated Steel | 75 |
| HWC02742 | 1/8" x 0.225", Brass | 25 |

SCREWS

SCREW CAPS (INTERIOR SCREWS)

Table 11-131: Fasteners - Screw Caps (Interior Screws)

| Part No. | Description | Standard Pack Qty. |
|----------|----------------------------------|--------------------|
| HWC01083 | 3/16" Snap Cap, Dome | 25 |
| HWC01051 | 3/16" Snap Cap, Dome Dark Grey | 10 |
| HWC01053 | 3/16" Snap Cap, Dome Red | 25 |
| HWC01055 | 3/16" Snap Cap, Dome, Blue | 25 |
| HWC04671 | 3/16" Snap Cap, Dome, Grey | 25 |
| HWC06049 | 3/16" Snap Cap, Dome, Light Gray | 25 |
| HWC06051 | 3/16" Snap Cap, Dome, Green | 25 |
| HWC06480 | 3/16" Snap Cap, Dome, Blue | 25 |
| HWC06482 | 3/16" Snap Cap, Dome Red | 25 |
| HWC06484 | 3/16" Snap Cap, Dome Taupe | 25 |
| HWC06727 | 3/16" Snap Cap, Dome, Taupe | 10 |
| HWC07703 | 3/16" Snap Cap, Dome, Black | 25 |

SCREW CAPS (INTERIOR LINING SCREWS)

Table 11-132: Fasteners - Screw Caps (Interior Lining Screws)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC04333 | Lining Fastener with colored head - Black | 25 |
| HWC07055 | Heavy Duty Lining Fastener with colored head - Black | 50 |

ASSEMBLY SCREWS (U.S.)

Table 11-133: Fasteners - Screws - Assembly (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---|-----------------|------|--------------------|
| HWC01062 | 5/16" x 1/2", Washer Assembly with Nylon Patch, Indented Hex Head, Zinc | n/a | Hex | 5 |

ASSORTED SCREWS (U.S.)

Table 11-134: Fasteners - Screws - Assorted (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---|-----------------|----------|--------------------|
| HWC02844 | #8-18" x 3/4", Recess | n/a | Oval | 75 |
| HWC07672 | #6-19" x 5/8", Plastite®, Cadmium Zinc | n/a | Pan | 50 |
| HWC07173 | 3/8"-16 x 1" 1/2", Shoulder, Grade 12.9, Zinc | UNC | Shoulder | 2 |
| HWC04784 | #8-32 x 3/4", Snap-On, Case Hardened, Zinc | UNC | n/a | 10 |
| HWC06173 | #10-16" x 3/8", Plastite®, Zinc Black | n/a | Pan | 50 |

MACHINE SCREWS (U.S.)

Table 11-135: Fasteners - Screws - Machine (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|-------------------|--------------------|
| HWC06074 | 1/2"-13 x 3", Slotted | UNC | Flat Countersunk | 25 |
| HWC00022 | #10-24 x 1", Snap-On, Case Hardened | UNC | Phillips - Square | 50 |
| HWC00217 | #8-32 x 3/4", Case Hardened, Stainless Steel | UNC | Pan | 50 |
| HWC01015 | #6-32 x 1", Cadmium Zinc, Slotted | UNC | Pan | 100 |
| HWC02804 | 1/4"-20 x 2", Cadmium Zinc, Slotted | UNC | Flat Countersunk | 75 |
| HWC02812 | 1/4"-20 x 3/4", Stainless Steel, Slotted | UNC | Oval Countersunk | 4 |
| HWC02817 | #10-32 x 7/8", Cadmium Zinc | UNF | Pan | 50 |
| HWC02818 | #10-32 x 1/2", Cadmium Zinc | UNF | Pan | 50 |
| HWC02828 | #10-32 x 3/4", Phosphate | UNF | Pan | 50 |
| HWC02830 | #10-32 x 3/4", Zinc | UNF | Truss | 25 |
| HWC02848 | 1/4"-20 x 1-1/2", Stainless Steel, Slotted | UNC | Round | 25 |
| HWC02926 | 1/4"-20 x 1-3/4", Stainless Steel, Slotted | UNC | Truss | 5 |
| HWC02928 | 1/4"-20 x 2", Stainless Steel, Slotted | UNC | Truss | 5 |
| HWC02944 | #8-32 x 1/2", Cadmium Zinc | UNC | Flat Countersunk | 4 |
| HWC02974 | 5/16"-18 x 5/8", Selflocking, Zinc w/ Nylon Patch, Slotted | UNC | n/a | 10 |
| HWC04093 | 5/16"-18 x 1-1/4", Tensile Lock | UNC | n/a | 50 |
| HWC04611 | 5/16"-18 x 1-1/2", with Serrations, Grade 5, Zinc Yellow | UNC | Hex | 20 |
| HWC04647 | 5/16"-18 x 2", Stainless Steel, Slotted | UNC | Truss | 5 |
| HWC06243 | #10-32 x 1", Zinc Black | UNF | Pan | 10 |
| HWC06245 | #8-32 x 1", Zinc Black | UNC | Pan | 10 |
| HWC06247 | #8-32 x 1-1/4", Zinc Black | UNC | Pan | 50 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|------------------|--------------------|
| HWC06441 | #10-32 x 1-1/4", Zinc | UNF | Flat Countersunk | 50 |
| HWC06599 | 1/4"-28 x 5/8", Zinc Black | UNF | Oval Countersunk | 25 |
| HWC06637 | #10-24 x 1-1/2", Zinc, Slotted | UNC | Round | 50 |
| HWC07103 | #10-32 x 1", Zinc | UNF | Truss | 100 |
| HWC07113 | #10-24 x 2", Zinc | UNC | Pan | 100 |
| HWC07217 | 1/4"-14 x 3/4" | n/a | Pan | 10 |
| HWC07332 | #10-24 x 1", Washer, Zinc | UNC | Oval Countersunk | 10 |
| HWC07336 | #6-32 x 1-1/2", Cadmium Zinc | UNC | Pan | 125 |
| HWC07342 | 1/4"-20 x 1", Zinc | UNC | Truss | 100 |
| HWC07344 | 1/4"-20 x 1-1/4", Zinc | UNC | Flat Countersunk | 25 |
| HWC07350 | 5/16"-18 x 1", Zinc | UNC | Flat Countersunk | 15 |
| HWC07384 | 1/4"-20 x 1", Zinc Black | UNC | Truss | 100 |
| HWC07394 | #10-24 x 1/2", Polished Stainless Steel | UNC | Truss | 4 |
| HWC07412 | #10-24 x 1/2", Zinc, Slotted | UNC | Round | 25 |
| HWC07414 | #10-24 x 1/2", Zinc | UNC | Truss | 25 |
| HWC07422 | #10-24 x 3/4", Zinc | UNC | Truss | 25 |
| HWC07426 | #10-24 x 5/8", Zinc | UNC | Truss | 50 |
| HWC07428 | #10-24 x 2", Zinc | UNC | Flat Countersunk | 50 |
| HWC07432 | #10-24 x 5/8", Polished Stainless Steel | UNC | Truss | 5 |
| HWC07450 | #6-32 x 1", Zinc, Slotted | UNC | Round | 75 |
| HWC07452 | #6-32 x 3/4", Cadmium Zinc | UNC | Pan | 25 |
| HWC07462 | #8-32 x 3/4", Stainless Steel | UNC | Pan | 25 |
| HWC07470 | #8-32 x 1/2", Zinc | UNC | Pan | 125 |
| HWC07488 | 1/4"-20 x 1/2", Stainless Steel | UNC | Oval Countersunk | 10 |
| HWC07494 | 1/4"-20 x 1-1/4", Stainless Steel | UNC | Oval Countersunk | 10 |
| HWC07508 | 1/4"-20 x 3/4", Grade 5, Zinc | UNC | Flat Countersunk | 25 |
| HWC07512 | 1/4"-20 x 1", Stainless Steel | UNC | Oval Countersunk | 25 |
| HWC07514 | 1/4"-20 x 1", Zinc | UNC | Flat Countersunk | 25 |
| HWC07516 | 1/4"-20 x 1", Chrome | UNC | Truss | 25 |
| HWC07518 | 1/4"-20 x 3/4", Zinc | UNC | Flat Countersunk | 125 |
| HWC07524 | 1/4"-20 x 3/4", Zinc | UNC | Truss | 125 |
| HWC07528 | 1/4"-20 x 3/8", Polished Chrome | UNC | Truss | 50 |
| HWC07532 | 1/4"-20 x 1-1/2", Stainless Steel | UNC | Oval Countersunk | 50 |
| HWC07534 | 1/4"-20 x 5/8", Stainless Steel | UNC | Pan | 5 |
| HWC07536 | 1/4"-20 x 7/8", Polished Stainless Steel | UNC | Oval Countersunk | 10 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---------------------------------------|-----------------|-------------------|--------------------|
| HWC07544 | 1/4"-20 x 5/8", Stainless Steel | UNC | Pan | 5 |
| HWC07556 | #10-24 x 1", Zinc | UNC | Flat Countersunk | 100 |
| HWC07596 | 5/16"-18 x 3/4", Zinc | UNC | Flat Countersunk | 25 |
| HWC07654 | 1/4"-20 x 1-1/4", Zinc Black | UNC | Truss | 25 |
| HWC07696 | 1/4"-20 x 7/8", Stainless Steel | UNC | Oval Countersunk | 10 |
| HWC07699 | 1/4"-20 x 1-1/8", Stainless Steel | UNC | Oval Countersunk | 25 |
| HWC07708 | 1/4"-20 x 1", Locking Thread | UNC | Flat Countersunk | 50 |
| HWC09004 | #10-32 x 3/4", Zinc | UNF | Pan | 50 |
| HWC09031 | #10-32 x 1/2", Black | UNF | Truss | 75 |
| HWC09243 | #8-32 x 2", Zinc Black, Slotted | UNC | n/a | 250 |
| HWC09289 | #13-19 x 7/16", HiLo® Thread | n/a | Phillips - Square | 10 |
| HWC09292 | #10-16 x 1", HiLo® Thread | n/a | Phillips - Square | 10 |
| HWC09321 | #10-24 x 1/2", with Nylon Patch, Zinc | UNC | Phillips - Square | 25 |
| HWC11135 | 1/4"-20 x 1", Stainless Steel | UNC | Pan | 50 |
| HWU11032 | #6-32 x 1", Zinc, Slotted | UNC | Round | 100 |
| HWU11107 | #8-32 x 1, Zinc | UNC | Pan | 50 |
| HWU11120 | #10-24 x 1/2", Zinc | UNC | Pan | 50 |
| HWU11129 | #10-24 x 1", Stainless Steel | UNC | Pan | 50 |
| HWU11131 | #10-24 x 1-1/2", Stainless Steel | UNC | Pan | 50 |
| HWU11133 | #10-24 x 3/4", Zinc | UNC | Pan | 50 |
| HWU11137 | 1/4"-20 x 1-1/2", Stainless Steel | UNC | Pan | 50 |
| HWU11146 | #10-24 x 1", Zinc | UNC | Pan | 50 |
| HWU11159 | #10-32 x 1/2", Zinc | UNF | Pan | 100 |
| HWU11172 | #10-32 x 3/4", Zinc | UNF | Pan | 50 |
| HWU11185 | #10-32 x 1", Zinc | UNF | Pan | 50 |
| HWU11198 | #10-32 x 1-1/2", Zinc | UNF | Pan | 50 |
| HWU11211 | 1/4"-20 x 1/2", Zinc | UNC | Pan | 100 |
| HWU11224 | 1/4"-20 x 3/4", Zinc | UNC | Pan | 100 |

MACHINE PHILLIPS SCREWS (METRIC)

Table 11-136: Fasteners - Screws - Machine Phillips (Metric)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--------------------------|-----------------|------|--------------------|
| HWC03101 | M6-1.00 x 25, Zinc Black | n/a | Pan | 50 |
| HWC03103 | M5-0.80 x 10, Zinc Black | n/a | Pan | 50 |

MACHINE POZIDRIVE SCREWS (U.S.)

Table 11-137: Fasteners - Screws - Machine Pozidrive (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|-----------------------------|-----------------|------|--------------------|
| HWC00326 | #10-32 x 2-1/4", Zinc Black | UNF | Pan | 2 |
| HWC07376 | #10-32 x 1/2", Zinc Black | UNF | Pan | 125 |
| HWC07468 | #8-32 x 1", Zinc Black | UNC | Pan | 100 |
| HWC07478 | #8-32 x 3/8", Zinc Black | UNC | Pan | 25 |
| HWC07554 | #10-32 x 5/8", Zinc Black | UNF | Pan | 25 |
| HWC07652 | #10-32 x 5/8", Zinc | UNF | Pan | 125 |

MACHINE SQUARE PHILLIPS SCREWS (METRIC)

Table 11-138: Fasteners - Screws - Machine Square Phillips (Metric)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---|-----------------|------|--------------------|
| HWC09002 | M6-1.00 x 16, Zinc | n/a | Flat | 4 |
| HWC07187 | M5-0.80 x 25 | n/a | Pan | 4 |
| HWC08023 | M5-0.80 x 20, with Nylon Washer, Zinc Black | n/a | Pan | 50 |
| HWC08028 | M5-0.80 x 20, Zinc Black | n/a | Pan | 125 |
| HWC09001 | M5-0.80 x 20, Washer, with Nylon Patch | n/a | Pan | 10 |
| HWC09005 | M4-0.70 x 25, Zinc Black | n/a | Pan | 50 |
| HWC09006 | M4-0.70 x 10, Zinc Black | n/a | Pan | 75 |
| HWC09007 | M4-0.70 x 16, Zinc Black | n/a | Pan | 75 |
| HWC09008 | M4-0.70 x 30, Zinc Black | n/a | Pan | 50 |
| HWC09012 | M5-0.80 x 12, Zinc Black | n/a | Pan | 75 |
| HWC09014 | M5-0.80 x 16, Zinc Black | n/a | Pan | 75 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|------|--------------------|
| HWC09016 | M5-0.80 x 20, Zinc | n/a | Pan | 75 |
| HWC09019 | M5-0.80 x 35, Zinc | n/a | Pan | 50 |
| HWC09020 | M6-1.00 x 8, Zinc Black | n/a | Pan | 5 |
| HWC09022 | M6-1.00 x 16, Zinc Black | n/a | Pan | 50 |
| HWC09023 | M6-1.00 x 16 | n/a | Pan | 50 |
| HWC09025 | M6-1.00 x 25, SL, Zinc Black | n/a | Pan | 25 |
| HWC09033 | M4-0.70 x 16, Zinc Black | n/a | Oval | 75 |
| HWC09038 | M5-0.80 x 16, Washer, Stainless Steel | n/a | Pan | 25 |
| HWC09044 | M5-0.80 x 20, Stainless Steel | n/a | Pan | 25 |
| HWC09047 | M5-0.80 x 16, Stainless Steel | n/a | Pan | 50 |
| HWC09050 | M5-0.80 x 30, Stainless Steel | n/a | Pan | 10 |
| HWC09053 | M6-1.00 x 25, SL, Stainless Steel | n/a | Pan | 25 |
| HWC09054 | M6-1.00 x 40, Stainless Steel | n/a | Pan | 4 |
| HWC09056 | M6-1.00 x 60, Stainless Steel | n/a | Oval | 2 |
| HWC09057 | M6-1.00 x 25, Stainless Steel | n/a | Oval | 10 |
| HWC09112 | M6-1.00 x 25, Stainless Steel | n/a | Pan | 10 |
| HWC09115 | M5-0.80 x 25, Washer, with Nylon Patch, Zinc Black | n/a | Pan | 25 |

MACHINE TORX SCREWS (METRIC)

Table 11-139: Fasteners - Screws - Machine Torx (Metric)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---|-----------------|--------|--------------------|
| HWC00957 | M4-0.70 x 8, T20, Grade 4.8 | n/a | Oval | 125 |
| HWC00958 | M3-0.50 x 8, T20, Zinc | n/a | Pan | 125 |
| HWC01109 | M5-0.80 x 25, T25, Stainless Steel | n/a | Pan | 15 |
| HWC01183 | M5-0.80 x 20, T25, Stainless Steel | n/a | Oval | 15 |
| HWC01231 | M5-0.80 x 12, T20, with Nylon Patch, Zinc Black | n/a | Pan | 25 |
| HWC01235 | M5-0.80 x 20, T25, Zinc Black | n/a | Pan | 10 |
| HWC01317 | M4-0.70 x 8, T20, Grade 4.8 | n/a | Flat | 25 |
| HWC04061 | M8-1.25 x 25, T40, Machined Button Screw, Stainless Steel | n/a | Button | 10 |
| HWC04227 | M5-0.80 x 30, T25, Stainless Steel | n/a | Pan | 10 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---|-----------------|----------|--------------------|
| HWC04235 | M4-0.70 x 16, T20 | n/a | Flat | 10 |
| HWC04496 | M6-1.00 x 45, T30, Stainless Steel | n/a | Cylinder | 4 |
| HWC04683 | M6-1.00 x 25, T30 | n/a | Flat | 25 |
| HWC04695 | M5-0.80 x 50, T20, Zinc Black | n/a | Pan | 25 |
| HWC04721 | M5-0.80 x 50, T20, Phosphate Oil | n/a | Pan | 20 |
| HWC04733 | M6-1.00 x 40, T30, Stainless Steel | n/a | Oval | 4 |
| HWC04818 | M5-0.80 x 40, T20, with Nylon Patch, Zinc Black | n/a | Pan | 4 |
| HWC05082 | M5-0.80 x 25, T25, Zinc Black | n/a | Oval | 25 |
| HWC05084 | M5-0.80 x 12, T20, Zinc Black | n/a | Pan | 25 |
| HWC05102 | M6-1.00 x 20, T30, Zinc Black | n/a | Pan | 25 |
| HWC05104 | M5-0.80 x 12, T25, Cadmium | n/a | Pan | 25 |
| HWC05150 | M8-1.25 x 20, T40, Stainless Steel | n/a | Pan | 5 |
| HWC05152 | M10-1.50 x 35, T50, Stainless Steel | n/a | Flat | 4 |
| HWC05154 | M10-1.50 x 40, T50, Stainless Steel | n/a | Flat | 4 |
| HWC05158 | M4-0.70 x 20, T20, Zinc Black | n/a | Oval | 75 |
| HWC05172 | M5-0.80 x 10, T25, with Nylon Patch, Zinc Black | n/a | Pan | 50 |
| HWC05178 | M5-0.80 x 20, T25, Stainless Steel | n/a | Pan | 10 |
| HWC05180 | M6-1.00 x 20, T30, Cadmium | n/a | Pan | 25 |
| HWC05186 | M6-1.00 x 25, T30, Zinc Black | n/a | Pan | 10 |
| HWC05190 | M6-1.00 x 19, T30, Stainless Steel | n/a | Pan | 10 |
| HWC05192 | M6-1.00 x 20, T30, Stainless Steel | n/a | Pan | 5 |
| HWC05200 | M8-1.25 x 30, T40, with Nylon Patch, Cadmium Yellow | n/a | Pan | 4 |
| HWC05212 | M5-0.80 x 30, T20, Zinc Black | n/a | Pan | 10 |
| HWC05218 | M8-1.25 x 20, T40, Machined Button Screw, Cadmium | n/a | Button | 10 |
| HWC05220 | M5-0.80 x 20, T25, with Nylon Patch, Zinc Black | n/a | Pan | 100 |
| HWC05222 | M6-1.00 x 40, T30, Zinc Black | n/a | Pan | 5 |
| HWC05226 | M6-1.00 x 16, T30, Polished Stainless Steel | n/a | Pan | 10 |
| HWC05230 | M6-1.00 x 25, T30, Polished Stainless Steel | n/a | Pan | 5 |
| HWC05236 | M4-0.70 x 25, T20, Stainless Steel | n/a | Pan | 4 |
| HWC05246 | M5-0.80 x 16, T25, Stainless Steel | n/a | Pan | 15 |
| HWC05250 | M5-0.80 x 16, T25, Cadmium | n/a | Pan | 25 |
| HWC05252 | M5-0.80 x 12, T25, Zinc Black | n/a | Pan | 50 |
| HWC05262 | M8-1.25 x 20, T40 | n/a | Pan | 4 |
| HWC05264 | M5-0.80 x 20, T25, Cadmium | n/a | Pan | 25 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---|-----------------|--------|--------------------|
| HWC05266 | M5-0.80 x 40, T20, Zinc Black | n/a | Pan | 5 |
| HWC05272 | M6-1.00 x 30, T30, Stainless Steel | n/a | Pan | 10 |
| HWC05310 | M5-0.80 x 35, T20, Zinc Black | n/a | Pan | 50 |
| HWC05322 | M5-0.80 x 20, T25, with Nylon Patch, Stainless Steel | n/a | Pan | 25 |
| HWC05362 | M8-1.25 x 30, T40, Machined Button Screw, Stainless Steel | n/a | Button | 5 |
| HWC06419 | M6-1.00 x 20, T20, Washer, Zinc Black | n/a | Pan | 50 |
| HWC07144 | M6-1.00 x 40, T-2 | n/a | n/a | 20 |
| HWC07211 | M8-1.25 x 30, T40, Stainless Steel | n/a | n/a | 2 |
| HWC12530 | M4-0.70 x 12, T20, Grade 4.8 | n/a | Flat | 10 |
| HWC12535 | M5-0.80 x 10, T25, Cadmium | n/a | Pan | 25 |

MACHINE SLOTTED SCREWS (METRIC)

Table 11-140: Fasteners - Screws - Machine Slotted (Metric)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--------------------------------------|-----------------|-------|--------------------|
| HWC03111 | M5-0.80 x 20, Washer, Zinc Black | n/a | Round | 50 |
| HWC04345 | M10-1.50 x 30, T50, Grade 10.9, Zinc | n/a | Pan | 10 |
| HWC06675 | M12-1.75 x 30, Stainless Steel | n/a | n/a | 1 |
| HWC07087 | M6-1.00 x 20, Washer, Zinc Black | n/a | Round | 2 |
| HWC07165 | M6-1.00 x 40, Zinc Black | n/a | Pan | 5 |
| HWC09330 | M6-1.00 x 1, Washer | n/a | Pan | 25 |

MACHINE SLOTTED SCREWS (U.S.)

Table 11-141: Fasteners - Screws - Machine Slotted (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---------------------|-----------------|-------|--------------------|
| HWU11006 | #6-32 x 1/2", Zinc | UNC | Round | 100 |
| HWU11019 | #6-32 x 3/4", Zinc | UNC | Round | 100 |
| HWU11045 | #6-32 x 1-1/2" Zinc | UNC | Round | 50 |

SELF-TAPPING SCREWS (METRIC)

Table 11-142: Fasteners - Screws - Self-Tapping (Metric)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|------------------------------------|-----------------|-------|--------------------|
| HWC09327 | M4 x 25, with Washer, Steel Grey | n/a | Truss | 10 |
| HWC04598 | M8-1.25 x 35, Taptite®, Zinc Black | n/a | Hex | 10 |
| HWC05396 | M6-1.00 x 15, Taptite® Cadmium | n/a | Hex | 75 |
| HWC09099 | M6-1.00 x 12 | n/a | Pan | 25 |
| HWC09100 | M6-1.00 x 20, Taptite® Zinc Black | n/a | Pan | 25 |
| HWC09111 | M6-1.00 x 8, Taptite® Zinc | n/a | Pan | 10 |

SELF-TAPPING SCREWS (U.S.)

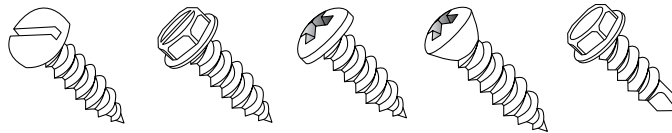


Table 11-143: Fasteners - Screws - Self-Tapping (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|------------------|--------------------|
| HWU11334 | #12 x 1", Case Hardened Tapping Hexwasher | n/a | Hex | 100 |
| HWC02862 | 1/4"-20 x 3/4", Zinc | UNC | Pan | 25 |
| HWC02980 | 5/16"-12 x 1", Cadmium | n/a | Hex | 5 |
| HWC04207 | #6-20 x 1/2", T15, Cadmium | n/a | Flat Countersunk | 25 |
| HWC04277 | #6-20 x 3/8", T15, Cadmium | n/a | Pan | 175 |
| HWC05092 | 1/4"-20 x 3/4", Tension Control Cadmium | UNC | Hex | 25 |
| HWC05132 | 1/4"-20 x 3/4" Thread Cutting Cadmium Tapping Hex-washer Screw | n/a | Hex | 10 |
| HWC06102 | 1/4"-20 x 3/4", Taptite® Stainless Steel | UNC | Hex | 4 |
| HWC06141 | 1/4"-20 x 1/2", Taptite® Zinc | UNC | Hex | 100 |
| HWC06175 | #10-32 x 1", Taptite® Zinc Black | UNF | Hex | 50 |
| HWC06442 | 1/4"-20 x 1", Taptite® Polished Stainless Steel | UNC | Hex | 5 |
| HWC06447 | #10-32 x 1/2", Taptite® Zinc Black | UNF | Hex | 25 |
| HWC06579 | #10-24 x 1", Phillips-Square, Drill Point | UNC | n/a | 50 |
| HWC06723 | #12 x 3/4" | n/a | Hex Flange | 50 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---|-----------------|------------------|--------------------|
| HWC06823 | #8 x 3/4", Headlamp Door, Stainless Steel | n/a | Pan | 20 |
| HWC06881 | #8-18 x 1", Phillips-Square, Washer, Zinc | n/a | Snap | 25 |
| HWC07149 | #8-18 x 1-1/2", Phillips-Square, Washer, Zinc Black | n/a | Snap | 25 |
| HWC07161 | #10-24 x 1-1/2", Thread Forming, Zinc Black | UNC | n/a | 25 |
| HWC07163 | #10-24 x 3/8", Pan Head, Taptite® Black | UNC | Pan | 50 |
| HWC07338 | #10-16 x 3/4", Slotted, Zinc | n/a | Oval Countersunk | 125 |
| HWC07392 | #10-24 x 1", Screw & Cap Assembly, Taupe | UNC | Truss | 10 |
| HWC07484 | 1/4"-20 x 1-1/2", Taptite® Zinc | UNC | Hex | 50 |
| HWC07498 | 1/4"-20 x 1", Taptite® Zinc | UNC | Hex | 25 |
| HWC07506 | 1/4"-20 x 3/4" | UNC | Hex | 10 |
| HWC07540 | 1/4"-20 x 5/8", Taptite® Polished Stainless Steel | UNC | Hex | 15 |
| HWC07558 | #10-24 x 1", Square, Zinc Black | UNC | Pan | 25 |
| HWC07622 | #10-24 x 1", Screw & Cap Assembly, Red | UNC | Truss | 10 |
| HWC07624 | #10-24 x 1", Screw & Cap Assembly, Dark Gray | UNC | Truss | 10 |
| HWC07625 | 3/16", Drill Point Assembly, Steel, Dark Grey | n/a | n/a | 10 |
| HWC07636 | 1/4"-20 x 5/8", Taptite® Zinc | UNC | Hex | 50 |
| HWC07688 | #10-24 x 3/4", Zinc | UNC | Truss | 25 |
| HWC07698 | 1/4"-20 x 1", Taptite® Stainless Steel | UNC | Hex | 10 |
| HWC09068 | #10-16 x 3/4", Phillips-Square, Truss, Zinc Black | n/a | Truss | 50 |
| HWC09070 | #10-16 x 1", Zinc Black | n/a | Truss | 25 |
| HWC09075 | #8-18 x 3/4", Zinc Black | n/a | Oval Countersunk | 50 |
| HWC09076 | #8-18 x 1", Zinc Black | n/a | Oval Countersunk | 50 |
| HWC09098 | #10-24 x 1/2" Taptite® Zinc Black Pan Screw | n/a | Pan | 50 |
| HWC09110 | #10-24 x 3/4" Zinc Black Screw | n/a | n/a | 10 |
| HWC12581 | 1/4"-20 x 3/4", Taptite® Zinc | UNC | Hex | 50 |
| HWU11308 | #8-18 x 3/4", Case Hardened, Zinc | n/a | Hex | 50 |
| HWU11320 | #10 x 3/4", Case Hardened, Zinc | n/a | Hex | 50 |
| HWU11321 | #10 x 1", Case Hardened, Zinc | n/a | Hex | 100 |
| HWU11347 | 1/4" x 1", Case Hardened, Zinc | n/a | Hex | 100 |
| HWU11360 | 1/4" x 2", Case Hardened, Zinc | n/a | Hex | 50 |
| HWU11386 | 1/4" x 3/4", Case Hardened, Zinc | n/a | Hex | 50 |
| HWU11421 | 1/4" x 1-1/2", Slotted, Case Hardened | n/a | Hex | 25 |

SELF-TAPPING PHILLIPS SCREWS (U.S.)

Table 11-144: Fasteners - Screws - Self-Tapping Phillips (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---|-----------------|------------------|--------------------|
| HWC07436 | #10-12 x 1", Binding Head, Zinc | n/a | Binding | 25 |
| HWC02824 | #10-32 x 1/2", Cadmium Zinc | UNF | Pan | 10 |
| HWC02838 | #10-12 x 3/4", Zinc Black | n/a | Truss | 50 |
| HWC03105 | #10-16 x 1-1/2", Stainless Steel | n/a | Oval | 10 |
| HWC06149 | #10-16 x 7/8" | n/a | Oval Countersunk | 25 |
| HWC06209 | #10-24 x 1" Taptite® Zinc Black | UNC | Pan | 100 |
| HWC06221 | #10-24 x 1/2" UNC, Taptite® Zinc Black | UNC | Truss | 100 |
| HWC06223 | #10-24 x 1" UNC, Taptite® Zinc Black | UNC | Truss | 100 |
| HWC06225 | 1/4"-20 x 1-1/4" UNC, Zinc Black | UNC | Truss | 50 |
| HWC06587 | #10-16 x 1-1/2", Stainless Steel | n/a | Oval Countersunk | 100 |
| HWC06589 | #10-24 x 5/8", Zinc Black | UNC | n/a | 100 |
| HWC06633 | #10-24 x 1" Taptite® Zinc | UNC | Flat Countersunk | 20 |
| HWC06810 | #10-24 x 1/2" Taptite® Zinc Black | UNC | Pan | 15 |
| HWC06819 | #10-12 x 3/4", Zinc Black | n/a | Truss | 100 |
| HWC06949 | #10-24 x 1" Phillips-Square with Washer | UNC | Round | 50 |
| HWC07346 | #10-24 x 1/2", Taptite® Zinc | UNC | Pan | 50 |
| HWC07358 | 1/4"-14 x 1/2", Thread Formed, Zinc | n/a | Truss | 100 |
| HWC07364 | #10-24 x 1/2" | UNC | Truss | 100 |
| HWC07366 | #10-24 x 5/8", Zinc Black | UNC | Oval Countersunk | 10 |
| HWC07378 | 1/4"-14 x 1/2", Zinc | n/a | Truss | 50 |
| HWC07398 | #10-16 x 1", Zinc Black | n/a | Truss | 100 |
| HWC07404 | #10-24 x 1" | UNC | Flat Countersunk | 75 |
| HWC07406 | #10-24 x 1", Taptite® Zinc Black | UNC | Pan | 50 |
| HWC07408 | #10-24 x 1-1/4", Taptite® Zinc | UNC | Pan | 25 |
| HWC07410 | #10-24 x 1/2", Zinc Black | UNC | Pan | 75 |
| HWC07420 | #10-24 x 3/4", Taptite® Zinc Black | UNC | Pan | 10 |
| HWC07424 | #10-24 x 5/8", Zinc Black | UNC | Pan | 25 |
| HWC07430 | #10-24 x 1", Zinc | UNC | Truss | 100 |
| HWC07434 | #10-12 x 1-1/2", Zinc | n/a | Oval Countersunk | 4 |
| HWC07438 | #10-12 x 1", Zinc | n/a | Pan | 25 |
| HWC07440 | #10-12 x 1-1/2", Zinc | n/a | Pan | 25 |
| HWC07444 | #10-12 x 7/8", Zinc | n/a | Pan | 50 |
| HWC07446 | #14-10 x 3/4", Zinc | n/a | Pan | 75 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|------------------|--------------------|
| HWC07454 | #6-32 x 3/8", Zinc | UNC | Pan | 75 |
| HWC07474 | #8-18 x 1", Zinc Black | n/a | Pan | 50 |
| HWC07480 | #8-18 x 7/8", Zinc Black | n/a | Pan | 25 |
| HWC07490 | 1/4"-20 x 3/4" UNC, Zinc | UNC | Truss | 10 |
| HWC07496 | 1/4"-20 x 1-1/2" UNC, Zinc Black | UNC | Truss | 10 |
| HWC07500 | 1/4"-20 x 1-1/4" UNC, Zinc Black | UNC | Truss | 25 |
| HWC07550 | #10-24 x 1" | UNC | Oval Countersunk | 50 |
| HWC07560 | #10-24 x 1/2", Stainless Steel | UNC | Pan | 4 |
| HWC07570 | #10-12 x 1/2", Zinc | n/a | Pan | 25 |
| HWC07572 | #10-24 x 1/2" | UNC | Flat Countersunk | 25 |
| HWC07614 | 1/4"-20 x 3/4" UNC | UNC | Oval Countersunk | 25 |
| HWC07656 | #8-18 x 1-1/4", Stainless Steel | n/a | Oval Countersunk | 10 |
| HWC07658 | #10-16 x 3/4", Ty AB, Stainless Steel | n/a | Oval Countersunk | 25 |
| HWC07660 | #8-18 x 2", Polished Stainless Steel | n/a | Oval Countersunk | 10 |
| HWC07664 | #10-16 x 3/4", Ty AB, Polished Stainless Steel | n/a | Oval Countersunk | 5 |
| HWC07668 | #7-19 x 1/2", Zinc | n/a | Pan | 25 |
| HWC07686 | #10-12 x 1", Zinc | n/a | Oval Countersunk | 50 |
| HWC07690 | #10-12 x 7/8", Washer, Zinc Black | n/a | Oval | 10 |
| HWC07702 | #10-16 x 1/2", Zinc | n/a | Oval Countersunk | 125 |
| HWC07710 | #7-16 x 1/2", Zinc | n/a | Flat Countersunk | 25 |
| HWC09058 | #8-18 x 3/4", Washer, Zinc Black | n/a | Truss | 50 |
| HWC09060 | #8-18 x 1", Washer, Zinc Black | n/a | Truss | 50 |
| HWC09062 | #8-18 x 1", Washer, Zinc Black | n/a | Snap | 25 |
| HWC09063 | #8-18 x 1/2" | n/a | Pan | 10 |
| HWC09064 | #10-16 x 1/2", Zinc Black | n/a | Pan | 15 |
| HWC09069 | #10-16 x 3/4" | n/a | Truss | 50 |
| HWC09071 | #10-16 x 1" | n/a | Truss | 25 |
| HWC09072 | #10-16 x 1-1/4" | n/a | Truss | 50 |
| HWC09074 | #10-16 x 1-1/4", Zinc | n/a | Truss | 50 |
| HWC09078 | #10-16 x 1-1/4", Cadmium | n/a | Oval Countersunk | 25 |
| HWC09079 | #8-18 x 5/8", Washer, Zinc Black | n/a | Snap | 15 |
| HWC09082 | #6-20 x 1/2", Zinc Black | n/a | Pan | 25 |
| HWC09084 | #8-18 x 1/2", Zinc Black | n/a | Pan | 75 |
| HWC09090 | #10-16 x 1/2", Zinc Black | n/a | Truss | 75 |
| HWC09092 | #10-16 x 3/4", Zinc | n/a | Truss | 50 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|------------------|--------------------|
| HWC09093 | #10-16 x 1", Ty AB, Zinc Black | n/a | Truss | 50 |
| HWC09094 | #10-16 x 1-1/4", Zinc Black | n/a | Truss | 50 |
| HWC09095 | #8-18 x 3/4", Ty AB, Zinc Black | n/a | Oval Countersunk | 25 |
| HWC09096 | #8-18 x 1", Ty AB, Zinc Black | n/a | Oval Countersunk | 75 |
| HWC09097 | #8-18 x 1-1/4", Zinc Black | n/a | Oval Countersunk | 75 |
| HWC09101 | #10-14 x 7/16", Zinc Black | n/a | Truss | 75 |
| HWC09102 | #10-14 x 1/2", Taptite® Zinc Black | n/a | Truss | 75 |
| HWC09103 | #10-14 x 1", Taptite® Zinc Black | n/a | Truss | 25 |
| HWC09104 | #10-14 x 1-13/16", Black Phosphate Oil | n/a | Truss | 25 |
| HWC09105 | #6-19 x 3/4", Taptite® Zinc Black | n/a | Pan | 50 |
| HWC09117 | 1/4"-20 x 5/8" UNC | UNC | Truss | 10 |
| HWC09379 | #10-16 x 1/2" | n/a | Pan | 15 |
| HWU11470 | #8 x 1/2", Stainless Steel | n/a | Pan | 100 |
| HWU11509 | #6-32 x 1/4", Case Hardened | UNC | Pan | 50 |
| HWU11522 | #6-32 x 1/2", Case Hardened | UNC | Pan | 50 |
| HWU11535 | #6-32 x 3/4", Case Hardened | UNC | Pan | 200 |
| HWU11561 | #8 x 1/2", Case Hardened | n/a | Pan | 200 |
| HWU11587 | #8 x 1", Case Hardened | n/a | Pan | 200 |
| HWU11626 | #10 x 3/4" Case Hardened | n/a | Pan | 50 |
| HWU11639 | #10 x 1", Case Hardened | n/a | Pan | 50 |
| HWU11665 | #10 x 1-1/2", Case Hardened | n/a | Pan | 50 |
| HWU11691 | #12 x 3/4", Case Hardened | n/a | Pan | 50 |
| HWU11730 | #12 x 1-1/2", Case Hardened | n/a | Pan | 25 |
| HWU11769 | 1/4" x 1", Case Hardened | n/a | Pan | 100 |
| HWU11782 | 1/4" x 1-1/4", Case Hardened | n/a | Pan | 100 |
| HWU11810 | #8 x 3/4", Case Hardened, Zinc | n/a | Oval Countersunk | 100 |
| HWU11823 | #8 x 1-1/4", Case Hardened, Zinc | n/a | Oval Countersunk | 50 |
| HWU11836 | #10 x 3/4", Case Hardened, Zinc | n/a | Oval Countersunk | 50 |

SELF-TAPPING SQUARE PHILLIPS SCREWS (U.S.)

Table 11-145: Fasteners - Screws - Self-Tapping Square Phillips (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--------------|-----------------|------|--------------------|
| HWC06291 | #7-19 x 1/2" | n/a | Flat | 100 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---------------------|-----------------|------|--------------------|
| HWC06293 | #10-16 x 1" | n/a | Oval | 100 |
| HWC06631 | #14-10 x 3/4", Zinc | n/a | Pan | 25 |

SELF-TAPPING TORX SCREWS (METRIC)

Table 11-146: Fasteners - Screws - Self-Tapping Torx (Metric)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---------------------------------|-----------------|------|--------------------|
| HWC04220 | M12-1.75 x 70, Torx Head, Steel | n/a | Pan | 15 |
| HWC05174 | M5-0.80 x 12, T25 | n/a | Pan | 25 |
| HWC05324 | M5-0.80 x 16, T25 | n/a | Pan | 25 |
| HWC05328 | M4-0.70 x 12, T20 | n/a | Pan | 25 |

SELF-TAPPING TORX SCREWS (U.S.)

Table 11-147: Fasteners - Screws - Self-Tapping Torx (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---|-----------------|------------------|--------------------|
| HWC03113 | 1/4"-20 x 3/4" UNC, Thread Forming, Case Hardened, Zinc Black | UNC | Truss | 50 |
| HWC04151 | #10-16 x 1", T20, Cadmium | n/a | Truss | 25 |
| HWC04209 | #8-18 x 1-1/4", T20 | n/a | Oval Countersunk | 25 |
| HWC04217 | #8-18 x 3/4", T20 | n/a | Pan | 10 |
| HWC04657 | #6-20 x 1", T15, Zinc Black | n/a | Oval Countersunk | 75 |
| HWC05108 | #10-16 x 3/4", T20, Zinc Black | n/a | Truss | 50 |
| HWC05116 | #10-16 x 1", T25 | n/a | Oval Countersunk | 50 |
| HWC05128 | #8-18 x 3/4", T20, Cadmium | n/a | Oval Countersunk | 50 |
| HWC05146 | 1/4"-10 x 1", T30, Plastite®, Zinc | n/a | Pan | 25 |
| HWC05294 | #10-16 x 1/2", T25 | n/a | Pan | 10 |
| HWC05296 | #8-18 x 5/8", T20, Zinc | n/a | Pan | 50 |
| HWC05306 | #8-18 x 1", T20, Zinc Black | n/a | Pan | 25 |
| HWC05344 | #10-32 x 1/2" T20, Black | UNF | Truss | 50 |
| HWC05382 | 1/4"-10 x 5/8", T30, Plastite®, Zinc Black | n/a | Pan | 10 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|-------|--------------------|
| HWC06160 | 5/16"-18 x 1", External Torx E-10 Flange Screw Grade 5, Zinc | n/a | Round | 2 |
| HWC10593 | #10-16 x 1-1/4", T20, Zinc Black | n/a | Truss | 10 |

SET SCREWS (METRIC)

Table 11-148: Fasteners - Screws - Set Screws (Metric)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|------------------------------|-----------------|-----------------|--------------------|
| HWC05404 | M5-0.80 x 8, Stainless Steel | n/a | Socket Headless | 5 |

SET SCREWS (U.S.)

Table 11-149: Fasteners - Screws - Set Screws (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|----------------------------------|-----------------|---------------|--------------------|
| HWC06457 | #10-32 x 3/4", Dog Point, Zinc | UNF | Hex Flange | 10 |
| HWC00128 | 3/8"-16 x 3/8", Plain | UNC | Hex Socket | 25 |
| HWC01181 | 7/16"-20 x 3/4", Plain | UNF | Hex | 2 |
| HWC07712 | 1/2"-13 x 1-1/2" UNC, Black | UNC | Square Socket | 10 |
| HWC07714 | 1/2"-13 x 2" UNC, Grade 5, Plain | UNC | Square Socket | 10 |

SOCKETS SCREWS (METRIC)

Table 11-150: Fasteners - Screws- Sockets (Metric)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|----------|--------------------|
| HWC00122 | M10-1.50 x 30, Grade 12.9, Cylinder Cap Socket Screw | n/a | Cylinder | 10 |
| HWC04076 | M12-1.75 x 50, Grade 12.9, Black | n/a | Flat | 4 |
| HWC04084 | M8-1.25 x 30, Grade 12.9, Zinc | n/a | Flat | 4 |
| HWC04261 | M12-1.75 x 60, Grade 12.9 | n/a | Cylinder | 1 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|----------|--------------------|
| HWC04564 | M10-1.50 x 60, Stainless Steel | n/a | Pan | 1 |
| HWC04566 | M12-1.75 x 35, Grade 12.9, Zinc Black | n/a | Button | 5 |
| HWC04600 | M10-1.50 x 30, Stainless Steel | n/a | Pan | 4 |
| HWC04604 | M10-1.50 x 50, Stainless Steel | n/a | Pan | 4 |
| HWC04634 | M10-1.50 x 65, Grade 12.9, Black | n/a | Button | 2 |
| HWC05356 | M6-1.00 x 20, Stainless Steel | n/a | Button | 10 |
| HWC05358 | M6-1.00 x 30, Stainless Steel | n/a | Button | 5 |
| HWC06680 | M10-1.50 x 50, Grade 12.9 | n/a | Cylinder | 4 |
| HWC07169 | M6-1 x 40, Grade 12.9 | n/a | n/a | 10 |
| HWC07641 | M6-1.00 x 16, Grade 12.9, Dacromet [®] , Zinc Black | n/a | Cylinder | 10 |

SOCKETS SCREWS (U.S.)

Table 11-151: Fasteners - Screws - Sockets (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|------------------|--------------------|
| HWC10530 | 1/4"-20 x 3/4", Button Socket Cap Screw, Stainless Steel | UNC | Button | 20 |
| HWC01968 | 1/2"-13 x 2-1/2", Grade 12.9 | UNC | Flat Countersunk | 10 |
| HWC04050 | 1/4"-20 x 1-3/4", Stainless Steel | UNC | Cylinder | 10 |
| HWC04148 | 1/4"-20 x 1", Grade 12.9, Cadmium | UNC | Flat Countersunk | 5 |
| HWC04150 | 1/4"-20 x 2", Stainless Steel | UNC | Cylinder | 10 |
| HWC04377 | 3/8"-24 x 1-1/4", Grade 12.9 | UNF | Flat Countersunk | 4 |
| HWC04638 | 7/8"-14 x 5", Grade 12.9 | UNF | Flat Countersunk | 1 |
| HWC04646 | 1/2"-20 x 5-3/4", Center Spring, Black | UNF | Socket | 1 |
| HWC06061 | 3/8"-16 x 1" Grade 8, Button Socket Cap Screw, Stainless Steel | UNC | Button | 4 |
| HWC06142 | 3/8"-24 x 1-3/4", Stainless Steel | UNF | Cylinder | 4 |
| HWC06146 | 3/8"-24 x 2-1/2", Stainless Steel | UNF | Cylinder | 2 |
| HWC06508 | 3/8"-24 x 2-1/4", Grade 12.9, Zinc Black | UNF | Cylinder | 25 |
| HWC06509 | 3/8"-24 x 2-1/2", Grade 12.9, Plain | UNF | Cylinder | 10 |

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|------------------|--------------------|
| HWC06514 | 3/8"-16 x 1" Grade 12.9, Button Socket Cap Screw, Zinc Black | UNC | Button | 50 |
| HWC06574 | 3/8"-16 x 1-1/2", Grade 12.9, Button Socket Cap Screw | UNC | Button | 10 |
| HWC06596 | 3/8"-24 x 1-1/2", Grade 12.9 | UNC | Cylinder | 25 |
| HWC06682 | 1/4"-20 x 3/4", Grade 12.9, Zinc Black | UNC | Cylinder | 50 |
| HWC07582 | 3/8"-24 x 1-1/2", Grade 12.9 | UNC | Flat Countersunk | 10 |
| HWC07584 | 3/8"-16 x 1-1/2", Grade 12.9 | UNC | Flat Countersunk | 25 |
| HWC07586 | 3/8"-16 x 1-3/4", Button Socket Cap Screw, Stainless Steel | UNC | Button | 4 |
| HWC07588 | 3/8"-16 x 2" Grade 12.9, Button Socket Cap Screw, Zinc Black | UNC | Button | 10 |
| HWC07590 | 3/8"-16 x 1-1/4", Button Socket Cap Screw, Grade 12.9 | UNC | Button | 50 |
| HWC07592 | 3/8"-16 x 1-1/2", Button Socket Cap Screw, Stainless Steel | UNC | Button | 4 |
| HWC07600 | 5/16"-18 x 1-1/4", Grade 12.9 | UNC | Flat Countersunk | 25 |
| HWC07602 | 5/16"-18 x 1", Grade 12.9 | UNC | Flat Countersunk | 50 |

TORX SCREWS (U.S.)

Table 11-152: Fasteners - Screws - Torx (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|---|-----------------|-------|--------------------|
| HWC05338 | 1/4"-10 x 1/2", T30, Plastite®, Cadmium | n/a | Pan | 15 |
| HWC02826 | #10-32 x 1/2", T20, Zinc Black | UNF | Truss | 50 |
| HWC05110 | #10-32 x 1/2", T25, Zinc Black | UNF | Pan | 25 |
| HWC05140 | #8-32 x 1", T20, Stainless Steel | UNC | Pan | 15 |
| HWC05204 | #10-32 x 3/4", T20, Zinc Black | UNF | Truss | 25 |
| HWC05354 | #8-18 x 3/4" T20, B-Point, Sems | n/a | Snap | 10 |
| HWC06821 | #10-24 x 5/8", T25, Zinc Black | UNC | Pan | 25 |
| HWC07209 | #8-32 x 3/4", T20, Stainless Steel | UNC | Pan | 10 |

WING/ THUMB SCREWS (METRIC)

Table 11-153: Fasteners - Screws - Wing/ Thumb Screws (Metric)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|----------------------------------|-----------------|-------|--------------------|
| HWC05278 | M5 x 0.80 x 20, Thumb, Grade 4.8 | n/a | Thumb | 1 |
| HWC09341 | M10-1.5 x 40, Wing Screw, Zinc | n/a | Wing | 2 |

WING/ THUMB SCREWS (U.S.)

Table 11-154: Fasteners - Screws - Wing/ Thumb Screws (U.S.)

| Part No. | Description | Thread Standard | Head | Standard Pack Qty. |
|----------|--|-----------------|-------|--------------------|
| HWC06541 | 1/4"-20 x 7/8" UNC, Thumb, Head Light, Access Door | UNC | Thumb | 10 |
| HWC07372 | 1/4"-20 x 1" UNC, Wing Screw, Zinc | UNC | Wing | 4 |

SPACERS

SPACERS (METRIC)

Table 11-155: Fasteners - Spacers (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|--------------------------------------|--------------------|
| HWC04123 | 17mm x 38mm x 45mm, Steel | 1 |
| HWC05476 | 9.52mm x 19.1mm x 7.9mm, Steel, Zinc | 1 |
| HWC05552 | 12.1mm x 18mm, Seat Belt, Zinc | 1 |
| HWC05806 | 12.57mm x 15.87mm x 24mm, Aluminum | 4 |

SPACERS (U.S.)



HWC01045

Table 11-156: Fasteners - Spacers (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC05444 | 1/2" x 1-1/4" Spacer | 2 |
| HWC01045 | 5/8" x 3" x 0.12", Steel Zinc, PPAP | 15 |
| HWC05454 | 1/2" x 1-1/4" x 1/2", Aluminum | 1 |
| HWC05480 | 7/16" x 1-1/4" x 1/2", Aluminum | 1 |
| HWC05482 | 7/16" x 1-1/4" x 1/2", Steel | 1 |
| HWC05560 | 3/4" x 1-3/8" x 1/2", Torque Rod, Steel | 1 |
| HWC06037 | 13/32" x 31/32" x 0.787", Aluminum | 2 |
| HWC14021 | 11/16" x 1-1/4" x 3/8", Steel | 1 |

SPECIALTY BOLTS

12 POINT SPECIALTY BOLTS (U.S.)



Table 11-157: Fasteners - Specialty Bolts - 12 Point Bolts (U.S.)

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|--|-----------------|--------------------|
| HWC01209 | 5/8"-11 x 1-3/4", Grade 8, Plain Phosphate | UNC | 2 |
| HWC04206 | 5/8"-11 x 2-1/4", Grade 8, Plain Phosphate | UNC | 2 |
| HWC06118 | 5/8"-11 x 1-3/4", Grade 5, Plain | UNC | 4 |

CARRIAGE SPECIALTY BOLTS (U.S.)

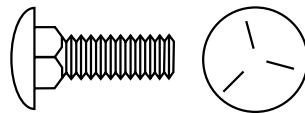


Table 11-158: Fasteners - Specialty Bolts - Carriage Bolts (U.S.)

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|---|-----------------|--------------------|
| HWC06103 | 5/8"-18 x 3-3/4", Grade 5, Plain | UNC | 2 |
| HWC01126 | 3/8"-16 x 1-1/2", Grade 5, Cadmium Zinc | UNC | 25 |
| HWC06040 | 5/16"-18 x 1-1/4", Stainless Steel | UNC | 25 |
| HWC06100 | 1/4"-20 x 3", Grade 5, Zinc | UNC | 4 |
| HWC06228 | 5/16"-18 x 1-3/4", Polished Stainless Steel | UNC | 4 |
| HWC06230 | 5/16"-18 x 1-1/2", Polished Stainless Steel | UNC | 5 |
| HWC06434 | 1/4"-20 x 1", Grade 5, Zinc Clear Iridite | UNC | 25 |
| HWC06466 | 3/8"-16 x 1", Grade 5, Zinc Clear Iridite | UNC | 100 |
| HWC07089 | 5/16"-18 x 1", Polished Stainless Steel | UNC | 5 |
| HWC09237 | 5/16"-18 x 2-1/4", Polished Stainless Steel | UNC | 4 |
| HWU06023 | #10-24 x 1", Grade 2, Zinc | UNC | 200 |
| HWU06229 | 1/4"-20 x 1", Grade 2, Zinc | UNC | 200 |

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|-----------------------------------|-----------------|--------------------|
| HWU06281 | 5/16"-18 x 1-1/2", Grade 2, Zinc | UNC | 100 |
| HWU16229 | 1/4"-20 x 1", Stainless Steel | UNC | 25 |
| HWU16268 | 1/4"-20 x 2-1/2", Stainless Steel | UNC | 25 |

CLOSED EYE SPECIALTY BOLTS (METRIC)



Table 11-159: Fasteners - Specialty Bolts - Closed Eye Bolts (Metric)

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|---------------------------------|-----------------|--------------------|
| HWC01305 | M10-1.50 x 150, Grade 9.8, Zinc | n/a | 2 |
| HWC04072 | M10-1.50 x 140, Grade 9.8, Zinc | n/a | 4 |
| HWC04843 | M10-1.50 x 160, Grade 9.8, Zinc | n/a | 2 |

HEX SPECIAL GRADE SPECIALTY BOLTS (U.S.)

Table 11-160: Fasteners - Specialty Bolts - Hex Bolts Special Grade (U.S.)

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|---|-----------------|--------------------|
| HWC01330 | 1/4"-20 x 1", Grade 2, Cadmium Zinc | UNC | 25 |
| HWC01552 | 5/16"-18 x 1", Grade 2, Cadmium Zinc | UNC | 5 |
| HWC06056 | 5/16"-18 x 3/4", Pre-Assembled Washer, High Grade, Zinc | UNC | 10 |
| HWC01340 | 1/4"-28 x 1-1/4", Grade 2, Chrome | UNF | 4 |
| HWC04038 | 5/16"-24 x 2-1/2", Grade 2, Cadmium Zinc | UNF | 2 |
| HWC04070 | 1/2"-20 x 1-1/2", 1/2", Grade 8, Proprietary Grade, Plain | UNF | 1 |

SHOULDER SPECIALTY BOLTS (METRIC)

Table 11-161: Fasteners - Specialty Bolts - Shoulder Bolts (Metric)

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|--|-----------------|--------------------|
| HWC09217 | M10-1.50 x 99mm, with Nylon Patch, Stainless Steel 18-8 | n/a | 2 |
| HWC09234 | M10-1.50 x 143mm, with Nylon Patch, Stainless Steel 18-8 | n/a | 2 |

SHOULDER SPECIALTY BOLTS (U.S.)



Table 11-162: Fasteners - Specialty Bolts - Shoulder Bolts (U.S.)

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|--|-----------------|--------------------|
| HWC09217 | M10-1.50 x 99mm, with Nylon Patch, Stainless Steel 18-8 | n/a | 2 |
| HWC09234 | M10-1.50 x 143mm, with Nylon Patch, Stainless Steel 18-8 | n/a | 2 |

STEP SPECIALTY BOLTS (U.S.)



HWC04654

Table 11-163: Fasteners - Specialty Bolts - Step Bolts (U.S.)

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|---|-----------------|--------------------|
| HWC04648 | 1/4"-20 x 1", Grade 2, Cadmium | UNC | 15 |
| HWC04650 | 1/4"-20 x 3/4", Grade 2, Cadmium | UNC | 5 |
| HWC07221 | 3/8"-16 x 1-1/4", Stainless Steel | UNC | 10 |
| HWC01100 | 5/16"-18 x 1-1/4", Grade 2, Cadmium Zinc | UNC | 10 |
| HWC01880 | 5/16"-18 x 2", Grade 2, Cadmium Zinc | UNC | 4 |
| HWC04652 | 5/16"-18 x 1-1/4", Stainless Steel | UNC | 2 |
| HWC04654 | 5/16"-18 x 1-1/4", Polished Stainless Steel | UNC | 2 |

STUD SPECIALTY BOLTS

Table 11-164: Fasteners - Specialty Bolts - Studs

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|----------------------------|-----------------|--------------------|
| HWC04901 | Weld Stud, Stainless Steel | n/a | 1 |
| HWC05570 | Frame Ground Stud, Steel | n/a | 2 |

STUDS SPECIALTY BOLTS (U.S.)



Table 11-165: Fasteners - Specialty Bolts - Studs (U.S.)

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|--|-----------------|--------------------|
| HWC04015 | 3/8"-16NC (11) / 24NF (32) x 76, Fan Hub | UNC/UNF | 1 |
| HWC04017 | 3/8"-16NC (11) / 24NF (32) x 81, Fan Hub | UNC/UNF | 1 |
| HWC04023 | 3/8"-16NC (11) / 24NF (32) x 44, Fan Hub | UNC/UNF | 10 |
| HWC04081 | 3/8"-24 x 153, J-Stud, Battery Box | UNF | 2 |
| HWC07748 | 1/4"-20 x 56mm (2.2") Steel, Zinc Yellow | UNC | 1 |
| HWC07754 | 1/2"-13NC / 20NF x 5-1/8", Air Spring Mounting | UNC/UNF | 4 |
| HWC07756 | 1/2"-13NC / 20NF x 6", Air Spring Mounting | UNC/UNF | 1 |
| HWC05568 | 3/8"-16NC (11) / 24NF (32) x 51, Double End Stud | UNC/UNF | 2 |
| HWC05572 | 1/2"-20 x 3-5/16" Hex Shoulder, Double End Stud | n/a | 1 |

THREADED ROD SPECIALTY BOLTS (U.S.)



Table 11-166: Fasteners - Specialty Bolts - Threaded Rod (U.S.)

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|---------------------|-----------------|--------------------|
| HWU04859 | 1/4"-20 x 3', Zinc | UNC | 2 |
| HWU04872 | 5/16"-18 x 3', Zinc | UNC | 1 |
| HWU04885 | 3/8"-16 x 3', Zinc | UNC | 1 |
| HWU04898 | 1/2"-13 x 3', Zinc | UNC | 1 |
| HWU04911 | 5/8"-11 x 3', Zinc | UNC | 1 |

STRAPS

CABLE TIE



Table 11-167: Fasteners - Cable Tie

| Part No. | Description | Material/ Finish |
|----------|------------------------------------|------------------|
| HWC06879 | 15" Cable Tie, Button Head, 100lb. | |
| HWU12110 | 15" Cable Tie, High Temperature | Plastic |

CABLE TIE WITH CHRISTMAS TREE



Table 11-168: Fasteners - Cable Tie with Xmas Tree

| Part No. | Description | Material/ Finish |
|----------|-------------------------------|------------------|
| HWC00058 | Cable Tie with Christmas Tree | |

U-BOLTS

U-BOLTS (METRIC)

Table 11-169: Fasteners - Specialty Bolts - U-Bolts (Metric)

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|------------------------------------|-----------------|--------------------|
| HWC04631 | 5/16"-24 x 246mm x 241mm, Air Tank | UNF | 2 |
| HWC05582 | 5/16"-24 x 260mm x 285mm, Air Tank | UNF | 1 |

U-BOLTS (U.S.)

Table 11-170: Fasteners - Specialty Bolts - U-Bolts (U.S.)

| Part No. | Description | Thread Standard | Standard Pack Qty. |
|----------|--|-----------------|--------------------|
| HWC05584 | 7/8"-14 x 4-3/32 x 12.172", Round Bend U-Bolt, Front Spring, Steel | UNF | 1 |
| HWC07770 | 1/4"-20 x 1-1/8" x 2", Steel | UNC | 10 |
| HWC09336 | 1/4"-20 x 2-3/16" x 2-7/8" | UNC | 1 |
| HWC12326 | 1/2"-20 x 5-1/2" Turnbuckle, Body Only- Alloy Zinc | n/a | 1 |
| HWC04000 | 7/8"-14 x 4-3/32" x 10-5/8", Front Spring | UNF | 1 |
| HWC06497 | 7/8"-14 x 4-1/16" x 9" Front Axle | UNF | 1 |
| HWC06503 | 7/8"-14 x 4-1/16" x 12-1/2" Front Axle | UNF | 1 |

WASHERS


Nuts

See Page 11-67


HWC05636

WASHER KIT

Table 11-171: Fasteners - Washer Kit

| Part No. | Measurement | Unit of Measure | Qty. |
|----------|--|-----------------|------|
| HWC05636 | Specialty Washers, 1/2" x 1-1/16" x 0.063", White | U.S. | 50 |
| HWC07834 | 1/2" x 1-1/16 x 0.095", Flat Polished Stainless Steel Washer | U.S. | 10 |

ASSORTED WASHERS (METRIC)

Table 11-172: Fasteners - Specialty Washers - Assorted Washers (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC05668 | 13.20mm x 44mm x 4.80mm, Steel Bushing | 4 |
| HWC05686 | 4.76mm x 40mm x 192mm, Steel Rectangle Crossmember | 1 |
| HWC05792 | 17mm x 50.80mm x 6.30mm, Rear Engine Support | 1 |
| HWC07986 | 19.68mm x 41.28mm x 2.28mm, Retaining, Zinc | 15 |

ASSORTED WASHERS (U.S.)


HWC01021

HWC08037

HWC04033

Table 11-173: Fasteners - Specialty Washers - Assorted Washers (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC01021 | 5/8" x 0.218", Countersunk Finishing, Zinc | 10 |
| HWC02302 | 1/2", Lock, Zinc | 25 |
| HWC04033 | 7/32" x 7/16", Tapered, Battery Box, Yellow Zinc | 50 |
| HWC05612 | 25/32" x 3-3/4" x 3/16", Bushing | 1 |

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC05628 | 5/8" x 1-1/2" x 3/16", Rear Engine Support, Zinc | 10 |
| HWC05650 | 3/4" x 1-3/4" x 3/16", Engine Support | 10 |
| HWC05662 | 1-1/16" x 2-1/4" x 3/8", Auxiliary Transmission Support, Black Nylon | 4 |
| HWC05696 | 15/16" x 1-3/8" x 1/16", Alternator, Zinc | 25 |
| HWC05869 | 5/8" x 2-1/2", Steel, Crossmember, Plain | 4 |
| HWC06415 | 1/2", Stainless Steel, 4 Stack Belleville | 4 |
| HWC07816 | 21/32" x 3", Zinc | 2 |
| HWC07886 | 5/8" x 1.375", Conical, Zinc | 25 |
| HWC07888 | 13/64", Oval Cowl Moulding, Aluminum | 10 |
| HWC07978 | 17/32" x 2-1/4" x 0.135", Tierod, Zinc | 25 |
| HWC07984 | 1/2" x 1-5/8" x 0.086" Retaining Outer | 10 |
| HWC08037 | 5/16" x 5/8" x 1/64", White Delrin | 300 |
| HWC11055 | 5/16" x 1/2", Wave, Zinc | 50 |

FENDER WASHERS

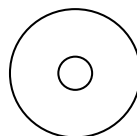


Table 11-174: Fasteners - Washers - Fender

| Part No. | Size | Material | Standard Pack Qty. |
|----------|--------------------------------|--------------------|--------------------|
| HWC07814 | #10 x 13/64" x 47/64" x 0.063" | Zinc Yellow | 25 |
| HWC04195 | #10 x 47/64" x 0.063" | Steel/Cadmium Zinc | 25 |
| HWU04842 | 1/2" x 2# 10 x 47/64" x 0.063" | Zinc | 50 |
| HWC06817 | 1/4" x 1" x 0.090" | Stainless Steel | 25 |
| HWU04830 | 1/4" x 1" | Zinc | 100 |
| HWU04833 | 1/4" x 1-1/4" | Zinc | 100 |
| HWC07912 | 17/32" x 2" x 0.135" | Zinc | 5 |
| HWU04827 | 3/16" x 1" | Zinc | 100 |
| HWU04839 | 3/8" x 1-1/2" | Zinc | 50 |
| HWC12254 | 3/8" x 1-1/4" x 0.100" | Steel/Cadmium Zinc | 100 |
| HWU04836 | 3/8" x 1-1/4" | Zinc | 100 |
| HWU04858 | 5/16" x 1-1/2" | | 50 |
| HWU04846 | 5/16" x 1-1/4" | Zinc | 100 |
| HWC12241 | 5/16" x 1-1/8" x 0.063" | Steel/Cadmium Zinc | 100 |
| HWC06708 | 9/32" x 1" x 1/16" | Stainless Steel | 50 |

FLAT WASHERS (METRIC)

Table 11-175: Fasteners - Washers - Flat (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC00199 | M16 x 33 x 3.63 Hardened DACROMET® Round Washer | 25 |
| HWC02019 | M8 x 0.062, White Nylon | 100 |
| HWC04085 | 8mm x 17.4mm x 1.65" Thick Hardened Plain Round Washer | 50 |
| HWC04273 | M8 x 23.8 x 2.66 Hardened Zinc/ Yellow Steel Round Washer | 50 |
| HWC05614 | 20mm x 30mm x 1" Thick Steel Zinc Yellow Cadmium Round Washer | 1 |
| HWC05760 | M34 x 51 x 4.5 Hardened Round Washer | 2 |
| HWC05810 | 8mm x 13mm x 0.30" Thick Steel Zinc/ Yellow Spring Washer | 25 |
| HWC07141 | M8 x 22.2 x 1.88, Case Hardened, Cadmium Zinc | 100 |
| HWC07960 | M20 x 41.20 x 4.60 Hardened Steel | 10 |
| HWC12277 | M20 x 41.20 x 4.60 Hardened Steel Zinc Yellow Round Washer | 10 |
| HWU11390 | M6, Grade 10.9, Zinc | 100 |
| HWU11403 | M8, Grade 10.9, Zinc | 100 |
| HWU11416 | M10, Grade 10.9, Zinc | 100 |
| HWU11429 | M12, Grade 10.9, Zinc | 50 |
| HWU11442 | M16, Grade 10.9, Zinc | 50 |
| HWU11455 | M20, Grade 10.9, Zinc | 25 |

FLAT WASHERS (U.S.)

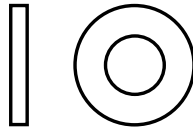


Table 11-176: Fasteners - Flat Washers (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC01117 | #10 x 1/2" x 0.049", Zinc Black | 125 |
| HWC01191 | 1/4" x 1.00" x 0.063" Thick Steel Black Round Washer | 25 |
| HWC01281 | 7/16" x 59/64" x 0.065", Stainless Steel | 10 |
| HWC03092 | Flat Rubber Washer | 50 |
| HWC03100 | 1-1/4" x 2-1/2" x 0.165" Thick Steel Cadmium/ Zinc Round Washer | 25 |
| HWC03102 | 1/2" x 1-1/16" x 0.095", Steel | 100 |
| HWC03106 | 1/2" x 1-1/16" x 0.095", Stainless Steel | 10 |
| HWC03110 | 1/4" x 5/8" x 0.065" Thick Steel Chrome Round Washer | 10 |
| HWC03112 | 1/4" x 5/8" x 0.065", Stainless Steel | 25 |
| HWC03118 | 3/4" x 1-15/32" x 0.134", Cadmium Zinc | 25 |
| HWC03126 | 5/16" x 11/16" x 0.065", Cadmium Zinc | 125 |
| HWC03128 | 5/16" x 11/16" x 0.065", Stainless Steel Plain | 50 |
| HWC03138 | #10 x 1/2" x 0.049", Cadmium Zinc | 50 |
| HWC03144 | #8 x 7/16" x 0.049", Cadmium Zinc | 50 |
| HWC03148 | 1" x 2" x 0.134", Cadmium Zinc | 15 |
| HWC03152 | 1/4" x 5/8" x 0.065", Steel, Cadmium Zinc | 50 |
| HWC03158 | 3/16" x 9/16" x 0.049", Cadmium Zinc | 100 |
| HWC03164 | 5/8" x 1-5/16" x 0.095" Thick Grade 2 Round Washer | 25 |
| HWC03166 | 5/8" x 1-5/16" x 0.095", Cadmium Zinc | 25 |
| HWC03174 | 9/16" x 1-5/32" x 0.095", Cadmium Zinc | 50 |
| HWC03214 | #6 x 3/8" x 0.049", Cadmium Zinc | 50 |
| HWC04191 | #10 x 9/16" x 0.040, Steel, Cadmium Zinc | 25 |
| HWC04679 | #12 x 9/16" x 0.065", Cadmium Zinc | 175 |
| HWC05596 | 3/4" x 1-7/8" x 3/16" Thick Hardened Round Washer | 10 |
| HWC05604 | #8 x 3/8" x 0.040" Thick Steel Cadmium/ Zinc Round Washer | 25 |
| HWC05630 | 1-1/4" x 2-1/2" x 11 gauge, Zinc | 10 |
| HWC05654 | 29/64" x 2-1/2" x 1/8" Thick Steel Round Washer | 1 |
| HWC05656 | 9/16" x 1-5/32" x 0.095", Stainless Steel | 15 |
| HWC05658 | 1/4" x 53/64" x 3/16" Thick Special Striker Washer | 5 |
| HWC05666 | 2" x 3 x 1/8" Thick Brass Round Washer | 1 |
| HWC05702 | 7/16" x 0.049" Thick Steel Black Round #8 Washer | 25 |
| HWC05706 | 1/2" x 1-1/16" x 0.095", Stainless Steel | 2 |

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC05714 | 1/4" x 1" x 0.063", Stainless Steel | 15 |
| HWC05718 | 1/4" x 1/2" x 0.063" Thick Steel Black Round Washer | 75 |
| HWC05728 | #10 x 1/2" x 0.049", Stainless Steel | 100 |
| HWC05732 | 5/8" x 1-3/4" x 0.100", Polished Stainless Steel | 4 |
| HWC05738 | 5/16" x 5/8" x 0.063", Stainless Steel | 25 |
| HWC05739 | 5/16" x 1-1/8" x 0.063", Stainless Steel | 10 |
| HWC05742 | 3/8" x 1" x 0.083", Stainless Steel | 10 |
| HWC05744 | 1/4" x 1/2" x 0.063", Stainless Steel | 25 |
| HWC05746 | 1/2" x 1-3/8" x 0.109" Thick Steel Cadmium/ Zinc Round Washer | 50 |
| HWC05748 | 3/8" x 1" x 0.083", Stainless Steel | 4 |
| HWC05752 | 1-1/8" x 2 x 3/16" Thick Hardened U-Bolt Round Washer | 2 |
| HWC05754 | 1" x 2" x 0.156", Case Hardened | 4 |
| HWC05766 | 7/16" x 15/16" x 0.105", Case Hardened Steel, Zinc Yellow | 50 |
| HWC05772 | 1/2" x 1-3/8" x 1/8" Thick Hardened Cadmium Round Washer | 10 |
| HWC05774 | 1-3/8" x 2-1/4" x 10 gauge Hardened Cadmium | 10 |
| HWC05784 | #10 x 47/64" x 0.063" Thick Steel Black Round Washer | 25 |
| HWC05794 | 3/8" x 1.00" x 0.063", Black Rubber | 25 |
| HWC05796 | 1/2" x 1-1/2" x 1/8" Thick Shock Absorber Retainer Washer | 100 |
| HWC05798 | 1/2" x 3/4" x 1/8", Proprietary, Stainless Steel | 25 |
| HWC05802 | 9/32" x 1-1/4" x 1/8" Thick Steel Zinc Round Washer | 25 |
| HWC05814 | 29/32" x 1-3/4" Thick Zinc Yellow Spring Seat Washer | 1 |
| HWC05816 | 3/8" x 1-1/4" x 0.100", Stainless Steel | 4 |
| HWC05844 | 1-1/2" x 2-5/8" x 10 gauge Zinc Yellow | 4 |
| HWC06101 | 3/8" x 1" x 0.075" Thick Zinc Round Washer | 50 |
| HWC07792 | 5/16" x 7/8" x 0.188", Polished Stainless Steel | 2 |
| HWC07798 | 17/32" x 7/8" x 0.098" Thick Round Washer | 4 |
| HWC07800 | 1/4" x 5/8" x 0.065", Polished Stainless Steel | 25 |
| HWC07802 | 3/8" x 1" x 0.083" Thick Zinc Black Round Washer | 100 |
| HWC07810 | 1/2" x 39/64" x 0.250" Thick Steel Round Washer | 25 |
| HWC07812 | 3/16" x 1/2" x 0.049" Thick Black Oxidized Round Washer | 50 |
| HWC07818 | 5/8" x 1-11/32" x 0.059" Thick Hardened Steel Round Washer | 10 |
| HWC07830 | 1-1/4" x 2-1/2", Zinc | 4 |
| HWC07834 | 1/2" x 1-1/16" x 0.095", Polished Stainless Steel | 10 |
| HWC07842 | 1/4" x 7/8" x 0.065", Zinc | 125 |
| HWC07852 | 3/4" x 1-1/64" x 0.134", Zinc | 10 |
| HWC07856 | 3/8" x 13/16" x 0.065", Polished Stainless Steel | 25 |

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC07868 | 5/16" x 7/8" x 0.063" Thick Zinc/Clear Iridite Round Washer | 25 |
| HWC07872 | 5/8" x 1-5/16" x 0.095", Polished Stainless Steel | 10 |
| HWC07874 | 7/16" x 59/64" x 0.065", Zinc | 75 |
| HWC07880 | 5/16" x 11/16" x 0.065" Thick Zinc Black Round Washer | 5 |
| HWC07894 | 1/4" x 1-29/64" x 0.112" Thick Hardened Steel Round Washer | 25 |
| HWC07896 | 5/16" x 11/16" x 0.065", Zinc | 125 |
| HWC07900 | 3/8" x 13/16" x 0.065", Zinc | 125 |
| HWC07910 | 5/16" x 3/4" x 0.015" Thick Plain Round Washer | 50 |
| HWC07916 | 5/16" x 11/16" x 0.065", Polished Stainless Steel | 50 |
| HWC07950 | 1-1/4" x 2-1/2" x 0.177" Thick Hardened Steel Round Washer | 10 |
| HWC07982 | 1/4" x 1-1/8" x 0.031" Thick Nylon Round Washer | 100 |
| HWC08012 | 7/16" Locking Tab Washer | 2 |
| HWC08022 | 5/16" x 0.080" Thick Spring Steel Wave #3 Washer | 50 |
| HWC09232 | 7/16" Neoprene Round Washer | 50 |
| HWC10825 | 7/16" SAE, Stainless Steel | 100 |
| HWC11554 | 5/16" x 11/16" x 0.065", Polished Stainless Steel | 25 |
| HWC12157 | 1/4" x 5/8" x 0.065" Thick Steel Cadmium/Zinc Round Washer | 100 |
| HWC12274 | 1-1/4" x 2-1/2" x 0.177" Thick Hardened Steel Zinc Round Washer | 50 |
| HWC12285 | 1/4" x 1-1/8" x 0.031" Thick Nylon Round Washer | 25 |
| HWC12522 | 1/4" x 5/8" x 0.049", Zinc | 100 |
| HWU05717 | 1/4" SAE, Grade 8, Zinc Yellow | 100 |
| HWU05730 | 5/16" SAE, Grade 8, Zinc Yellow | 100 |
| HWU05743 | 3/8" SAE, Grade 8, Zinc Yellow | 100 |
| HWU05756 | 7/16" SAE, Grade 8, Zinc Yellow | 100 |
| HWU05769 | 1/2" SAE, Grade 8, Zinc Yellow | 100 |
| HWU05782 | 9/16" SAE, Grade 8, Zinc Yellow | 100 |
| HWU05795 | 5/8" SAE, Grade 8, Zinc Yellow | 50 |
| HWU05808 | 3/4" SAE, Grade 8, Zinc Yellow | 50 |
| HWU05821 | 7/8" SAE, Grade 8, Zinc Yellow | 50 |
| HWU05834 | 1" SAE, Grade 8, Thru Hardened, Zinc Yellow | 50 |
| HWU05847 | 1/4" USS, Grade 8, Zinc Yellow | 100 |
| HWU05860 | 5/16" USS, Grade 8, Zinc Yellow | 100 |
| HWU05873 | 3/8" USS, Grade 8, Zinc Yellow | 100 |
| HWU05886 | 7/16" USS, Grade 8, Zinc Yellow | 100 |
| HWU05899 | 1/2" USS, Grade 8, Zinc Yellow | 100 |
| HWU05912 | 9/16" USS, Grade 8, Zinc Yellow | 100 |
| HWU05925 | 5/8" USS, Grade 8, Zinc Yellow | 50 |

| Part No. | Description | Standard Pack Qty. |
|----------|---------------------------------------|--------------------|
| HWU05938 | 3/4" USS, Grade 8, Zinc Yellow | 50 |
| HWU05951 | 7/8" USS, Grade 8, Zinc Yellow | 50 |
| HWU05964 | 1" USS, Grade 8, Zinc Yellow | 50 |
| HWU10758 | #8 SAE, Stainless Steel | 200 |
| HWU10771 | #10 SAE, Stainless Steel | 100 |
| HWU10784 | 1/4" x 5/8" x 0.065", Stainless Steel | 100 |
| HWU10797 | 5/16" SAE, Stainless Steel | 100 |
| HWU10810 | 3/8" SAE, Stainless Steel | 100 |

INTERNAL LOCK WASHERS

Table 11-177: Fasteners - Internal Lock Washers (Internal)

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC03188 | #8 x 0.333" x 0.021" Thick, Zinc | 10 |
| HWC03186 | #10 x 0.373" x 0.023" Thick, Zinc | 100 |
| HWC08006 | 1/4" x 0.469" x 0.026" Thick, Zinc | 20 |
| HWC08002 | 3/4" x 1.233" x 0.051" Thick, Zinc | 25 |
| HWC05832 | 3/8" x 0.681" x 0.036" Thick, Stainless Steel | 100 |
| HWC03200 | 3/8" x 0.681" x 0.036" Thick, Zinc | 25 |
| HWC02342 | 5/16" x 0.602" x 0.062" Thick, Zinc | 50 |
| HWC03204 | 5/8" x 1.058" x 0.046" Thick, Zinc | 50 |

Round Washers (Metric)



HWC05782

Table 11-178: Fasteners - Screws - Round Washers (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC00180 | M20 x 37mm x 3.97mm, Case Hardened, DACROMET® | 50 |
| HWC01115 | 10.32mm x 26.99mm x 3mm, Case Hardened, Yellow Cadmium | 10 |
| HWC04241 | 6.30mm x 19mm x 0.80mm, Nylon | 75 |

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC04637 | 6mm x 14.60mm x 1.30mm, Nylon | 100 |
| HWC04887 | 16.50mm x 33mm x 3.62mm, Case Hardened, Yellow Zinc | 50 |
| HWC05622 | 9mm x 74mm x 0.75mm, Stainless Steel, Mirror Bracket | 2 |
| HWC05624 | 9mm x 27mm x 0.75mm, Stainless Steel, Mirror Bracket | 2 |
| HWC05644 | M12 x 27mm x 3.63mm, Case Hardened, Cadmium | 25 |
| HWC05776 | 11.20mm x 19mm x 1.60mm, Natural Nylon | 50 |
| HWC05778 | 4.90mm x 11mm x 0.80mm, Black Nylon | 25 |
| HWC05782 | 11mm x 38mm x 4.8mm, Rubber / Stainless Steel | 4 |

ROUND WASHERS (U.S.)



HWC09230



HWC04003

Table 11-179: Fasteners - Specialty Washers - Round Washers (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC02043 | 1-1/4" x 2-1/2" x 0.120", Case Hardened, Zinc | 10 |
| HWC03043 | 1/2" x 1-3/4" x 0.112", Case Hardened, Black Zinc | 10 |
| HWC03212 | #10 x 15/32" x 0.105", Nylon | 5 |
| HWC03230 | 1/4" x 5/8" x 0.062", Teflon | 10 |
| HWC04003 | 7/8" x 1-5/8" x 0.250", Case Hardened Steel | 2 |
| HWC05632 | 1-1/4" x 2-1/2" x 7 gauge, Zinc | 4 |
| HWC05636 | 1/2" x 1-1/16" x 0.063", White Nylon | 50 |
| HWC05640 | 0.286" x 0.63" x 0.065", Brass | 10 |
| HWC05642 | 7/8" x 2-1/4" x 1/8", Plain | 4 |
| HWC05712 | 5/8" x 1-5/16" x 0.150", Case Hardened, Cadmium | 25 |
| HWC05724 | 1/2" x 1-3/4" x 0.100", Cadmium Zinc | 25 |
| HWC05768 | 7/16" x 1-1/16" x 0.141", Case Hardened, Steel | 75 |
| HWC07794 | 7/16" x 1-1/2" x 0.105", Steel | 10 |
| HWC07806 | 3/8" x 1-1/4" x 0.105", Black Zinc | 50 |
| HWC07828 | 1/4" x 1-1/4" x 0.048", Zinc | 100 |
| HWC07848 | 3/4" x 1-15/32" x 0.177", Case Hardened, Plain | 50 |
| HWC07876 | 7/8" x 2-1/4" x 0.125", USS, Plain | 10 |
| HWC07890 | 1/4" x 1-1/8" x 0.031", Nylon | 25 |
| HWC07892 | 1/2" x 1" x 0.094", White Delrin® | 50 |
| HWC07946 | 1" x 2" x 0.177", Case Hardened, Yellow Cadmium | 4 |
| HWC07958 | 3/8" x 13/16" x 0.080", Case Hardened Steel, Yellow Zinc | 100 |
| HWC07992 | 1/2" x 1-1/4" x 0.086", USS, Cadmium | 25 |
| HWC07996 | 1-1/4" x 2-1/2" x 0.250", Case Hardened, Zinc | 2 |
| HWC09204 | 1-1/4" x 2-1/2" x 0.160", Case Hardened, Yellow Zinc | 4 |
| HWC09218 | 1-1/4" x 2-1/2" x 0.150", Case Hardened, Yellow Zinc | 4 |
| HWC09223 | 1-1/4" x 2-1/2" x 0.180", Case Hardened, Zinc | 4 |
| HWC09225 | 1-1/4" x 2-1/2" x 0.140", Case Hardened, Yellow Zinc | 4 |
| HWC09230 | 1-1/4" x 2-1/2" x 0.200", Case Hardened, Yellow Zinc | 2 |
| HWC09231 | 7/16", Neoprene | 50 |
| HWC09233 | 1-1/4" x 2-1/2" x 0.190", Case Hardened, Zinc | 4 |

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC11265 | 5/16" x 33/64" x 0.031", Nylon | 25 |
| HWC12248 | 3/8" x 13/16" x 0.065", Case Hardened Steel, Cadmium Zinc | 25 |

SEALING WASHERS (METRIC)

Table 11-180: Fasteners - Specialty Washers - Sealing Washers (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC05826 | 5mm x 25mm x 3.20mm, Neoprene, Sunvisor Seal | 15 |

SEALING WASHERS (U.S.)

Table 11-181: Fasteners - Specialty Washers - Sealing Washers (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC01057 | 3/8", Neoprene/Stainless Steel, Sealing, Black | 2 |
| HWC03222 | 3/8" x 1-1/2" x 1/8", Sealing, Stainless Steel | 10 |
| HWC03226 | 1/4", Stat-O-Seal® | 15 |
| HWC03227 | 3/8", Stat-O-Seal®, Zinc | 10 |
| HWC03228 | 5/16", Stat-O-Seal®, Zinc | 10 |

SPLIT-LOCK WASHERS (METRIC)

Table 11-182: Fasteners - Split-Lock Washers (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|-----------------------|--------------------|
| HWU11494 | M8, Grade 10.9, Zinc | 100 |
| HWU11507 | M10, Grade 10.9, Zinc | 100 |
| HWU11520 | M12, Grade 10.9, Zinc | 50 |
| HWU11533 | M16, Grade 10.9, Zinc | 50 |
| HWU11546 | M20, Grade 10.9, Zinc | 25 |

SPLIT-LOCK WASHERS (U.S.)

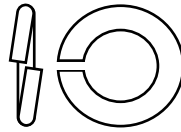


Table 11-183: Fasteners - Split-Lock Washers (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC02300 | 1/4" x 0.535" x 0.084", Stainless Steel | 25 |
| HWC02304 | 1.00" x 1.661" x 0.250", Zinc | 25 |
| HWC02310 | 1/4" x 0.489" x 0.062", Stainless Steel | 25 |
| HWC02312 | 1/4" x 0.489" x 0.062", Zinc | 125 |
| HWC02314 | 3/4" x 1.271" x 0.188", Zinc | 25 |
| HWC02318 | 3/8" x 0.683" x 0.094", Stainless Steel | 50 |
| HWC02322 | 5/16" x 0.586" x 0.078" Thick, Zinc | 50 |
| HWC02328 | 5/8" x 1.079" x 0.156" Thick, Zinc | 75 |
| HWC02330 | 7/16" x 0.779" x 0.109" Thick, Zinc | 25 |
| HWC02338 | 9/16" x 0.971" x 0.141" Thick, Zinc | 50 |
| HWC06934 | 3/8" x 0.683" x 0.094" Thick, Zinc | 100 |
| HWC06936 | 3/8" x 0.691" x 0.115" Thick, Zinc | 75 |
| HWC07849 | 9/16" x 0.981" x 0.170" Thick, Zinc | 10 |
| HWC07850 | 3/4" x 1.291" x 0.226", Zinc | 50 |
| HWC07862 | 3/8" x 0.683" x 0.094", Stainless Steel | 25 |
| HWC07966 | 7/16" x 0.787" x 0.133" Thick, Zinc | 75 |
| HWC07968 | 3/8" x 0.683" x 0.094" Thick, Zinc | 125 |
| HWC07970 | 5/16" x 0.586" x 0.078" Thick, Black Zinc | 25 |
| HWC07998 | #10 x 0.334" x 0.047", Zinc | 25 |
| HWU05977 | 1/4", Grade 8, Zinc | 100 |
| HWU05990 | 5/16", Grade 8, Zinc | 100 |
| HWU06003 | 3/8", Grade 8, Zinc | 100 |
| HWU06016 | 7/16", Grade 8, Zinc | 100 |
| HWU06029 | 1/2", Grade 8, Zinc | 100 |
| HWU06042 | 9/16", Grade 8, Zinc | 10 |
| HWU06055 | 5/8", Grade 8, Zinc | 50 |
| HWU06068 | 3/4", Grade 8, Zinc | 50 |
| HWU06081 | 7/8", Grade 8, Zinc | 50 |
| HWU06094 | 1", Grade 8, Zinc | 50 |
| HWU08584 | 1/4", Grade 5, Plain | 250 |
| HWU10875 | 1/4" x 0.489" x 0.062", Stainless Steel | 100 |

| Part No. | Description | Standard Pack Qty. |
|----------|------------------------|--------------------|
| HWU10888 | 5/16", Stainless Steel | 100 |
| HWU10901 | 3/8", Stainless Steel | 100 |

STRUCTURAL WASHERS (METRIC)

Table 11-184: Fasteners - Structural Washers (Metric)

| Part No. | Description | Standard Pack Qty. |
|----------|--|--------------------|
| HWC05722 | M20 x 37mm x 4mm, Case Hardened, Cadmium | 10 |
| HWC07962 | M12 x 26.35mm x 4.10mm, Case Hardened, Zinc Yellow | 10 |
| HWC07972 | M16 x 33.20mm x 4.10mm, Case Hardened, Zinc Yellow | 10 |

STRUCTURAL WASHERS (U.S.)

Table 11-185: Fasteners - Structural Washers (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|---|--------------------|
| HWC07926 | 5/16" x 11/16" x 0.080" Thick, Case Hardened, Zinc Yellow | 2 |
| HWC07930 | 7/16" x 59/64" x 0.080" Thick, Case Hardened, Zinc Yellow | 50 |
| HWC07934 | 1/2" x 1-1/16" x 0.177" Thick, Case Hardened, Zinc Yellow | 50 |
| HWC07936 | 5/8" x 1-5/16" x 0.177" Thick, Case Hardened, Zinc Yellow | 50 |
| HWC07944 | 7/8" x 1-3/4" x 0.177" Thick, Case Hardened, Zinc Yellow | 15 |

THRUST WASHERS (U.S.)

Table 11-186: Fasteners - Specialty Washers - Thrust Washers (U.S.)

| Part No. | Description | Standard Pack Qty. |
|----------|-------------------------------|--------------------|
| HWC05828 | 1.150" x 3" x 12 Gauge | 4 |
| HWC05830 | 1-5/8" x 3" x 12 Gauge, Plain | 4 |

TOOTH WASHERS (EXTERNAL)

Table 11-187: Fasteners - External
Tooth Washers (External)

| Part No. | Description | Standard Pack Qty. |
|----------|-------------------------------------|--------------------|
| HWC02320 | 5/16" x 0.599" x 0.031" Thick, Zinc | 50 |
| HWC03184 | #10 x 0.403" x 0.023" Thick, Zinc | 100 |
| HWC03190 | 1/2" x 0.890" x 0.041" Thick, Zinc | 25 |
| HWC03196 | 1/4" x 0.502" x 0.026" Thick, Zinc | 25 |
| HWC03206 | 7/16" x 0.75" x 0.036" Thick, Zinc | 25 |
| HWC04415 | 3/8" x 0.682" x 0.036" Thick, Zinc | 25 |
| HWC06952 | 1/2" x 0.890" x 0.041" Thick, Zinc | 100 |
| HWU08746 | 1/2", Plain | 100 |

NOTES

A large grid area for taking notes, consisting of approximately 30 columns and 40 rows of small squares.

FASTENERS



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