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**11**

# FASTENERS

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# FASTENERS GUIDE

## FASTENER GUIDE

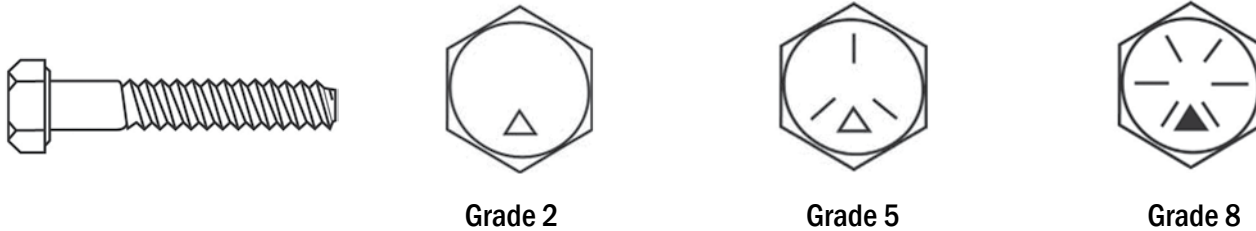






Table 11-1: Fasteners - Fastener Guide

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)

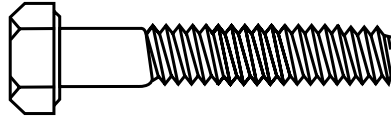


Table 11-9: Fasteners - Bolts - Grade 10.9 (Metric)

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

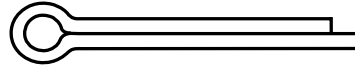


Table 11-34: Fasteners - Clevis &amp; Cotter Pins (U.S.)

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 &amp; 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)

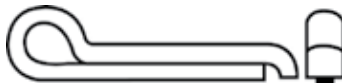


Table 11-37: Fasteners - Clevis & Cotter Pins (U.S.) - Hammerlock

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.
<b>FLAT WASHERS</b>			
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
<b>HEX NUTS</b>			
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
<b>METRIC HEX BOLTS</b>			
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.
<b>FLAT WASHERS</b>			
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
<b>GRADE 8 HEX BOLTS</b>			
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

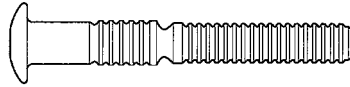


Table 11-44: Fasteners - Huck Bolts

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)

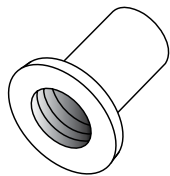


HWC03086

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

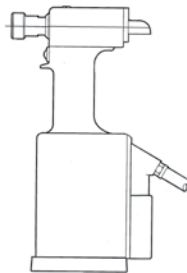


Table 11-50: Fasteners - Huck Fastener Tools

Part No.	Description	Standard Pack Qty.
HWC02101	Huck Gun, Pseudraulic	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.)

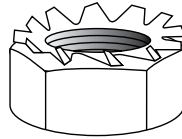


Table 11-75: Fasteners - Grade 2 Kep Hex Nuts (U.S.)

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.)

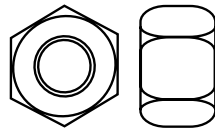


Table 11-94: Fasteners - Assorted Hex Nuts (U.S.)

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.)

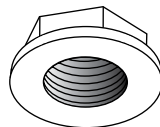


Table 11-95: Fasteners - Assorted Hex Flange Nuts (U.S.)

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.)

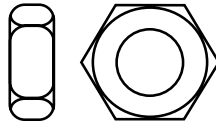


Table 11-96: Fasteners - Assorted Hex Jam Nuts (U.S.)

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.)

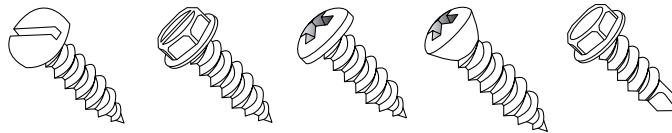


Table 11-143: Fasteners - Screws - Self-Tapping (U.S.)

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. )

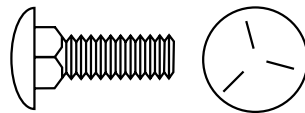


Table 11-158: Fasteners - Specialty Bolts - Carriage Bolts (U.S. )

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

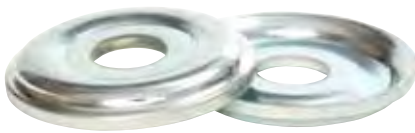
Part No.	Measurement	Unit of Measure	Qty.
HWC05636	Specialty Washers, 1/2" x 1-1/16" x 0.063", White	U.S.	50
HWC07834	1/2" x 1-1/16 x 0.095", Flat Polished Stainless Steel Washer	U.S.	10

## 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

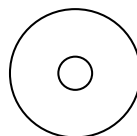


Table 11-174: Fasteners - Washers - Fender

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.)

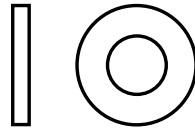


Table 11-176: Fasteners - Flat Washers (U.S.)

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.)

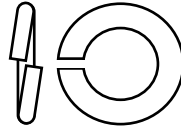


Table 11-183: Fasteners - Split-Lock Washers (U.S.)

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 a 30x30 grid of small squares. The grid is empty and occupies most of the page.

FASTENERS



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