



**21746**  
 (Mitsubishi: MF453091)  
 Black Oxide  
 M5-1.59 x 11mm  
 Phillips Truss Head  
 Head Outer Diameter: 11mm  
 Interior Trim  
 Mitsubishi Galant 2008 - 2004  
 UNIT PACKAGE: 50



**21747**  
 Black Oxide  
 M5 - 1.59 x 11mm  
 Phillips Round Washer Head  
 Washer Head Outer Diameter: 12mm  
 Chrysler & Imports  
 UNIT PACKAGE: 50



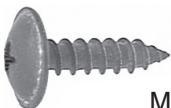
**22294**  
 (Mazda: 9CF600516B)  
 Black Phosphate  
 M5-1.81 x 16mm  
 Phillips Hex Head Sems®  
 Washer Outer Diameter: 16mm  
 Hex: 8mm  
 Mazda 2, 3, 5, 6, 626, 929, CX-5, CX-7, CX-9, Miata,  
 Millenia, MPV, Mx-3, Protégé, RX-7 & RX-8 2014 - 1992  
 UNIT PACKAGE: 25



**22203**  
 (Honda: 90103-SDA-A00)  
 Black Phosphate  
 M5-1.81 x 20mm  
 Phillips Flat Head  
 Head Diameter: 13mm  
 Front & Rear Bumper  
 Honda Civic, Pilot & Ridgeline 2006 - On  
 UNIT PACKAGE: 100



**22111**  
 (VW: N90892001, N90775001)  
 Black Zinc  
 M5-2.12 x 19mm  
 Torx® Truss Head Tapping Screw  
 T25 Drive  
 Head Diameter: 14mm  
 Audi, Porsche & VW 2014 - 07  
 UNIT PACKAGE: 25



**20455**  
 Black Phosphate  
 M5-2.12 x 20mm (#12 x 25/32")  
 Phillips Truss Head  
 Head Outer Diameter: 14mm (9/16")  
 Imports  
 UNIT PACKAGE: 50



**21841**  
 (Toyota: 75392-42030)  
 Black E-Coat  
 M5.2-2.0 x 20mm (#12 x 25/32")  
 Phillips Hex Head Sems®  
 Washer Outer Diameter: 12mm (1/2")  
 Hex: 8mm  
 Front Bumper Moulding  
 Toyota & Lexus 2010 - On  
 UNIT PACKAGE: 25



**21839**  
 (Toyota: 90159-A0001;  
 90159-50316)  
 Zinc  
 M5.2-2.0 x 21mm (#12 x 13/16")  
 Phillips Hex Head Sems®  
 Washer Outer Diameter: 14mm (9/16")  
 Hex: 10mm  
 Front Bumper, Bumper Stay & Radiator Grille  
 Toyota & Lexus 2000 - On  
 UNIT PACKAGE: 25



**21541**  
 (13144822)  
 Black Zinc  
 M5.5 x 20mm (12 x 25/32")  
 Torx® Truss Head  
 T-20 Drive  
 Head Outer Diameter: 15mm (19/32")  
**Use with Auveco 21539 & 21540**  
 GM 2011 - On  
 Saab 2003 - On  
 UNIT PACKAGE: 25



**22292**  
 (Nissan: 01454-N5061)  
 Black Phosphate  
 M5.5-1.81 x 16mm (#12 x 5/8")  
 Phillips Truss Head  
 Head Outer Diameter: 13mm  
 Fender Liner  
 Nissan Cube, Murano, Pathfinder, Quest,  
 Rogue, Sentra & Versa 2014 - On  
 UNIT PACKAGE: 25



**17461**  
 Zinc & Yellow Dichromate  
 M5.5-1.81 x 18mm (#12 x 45/64")  
 Hex Head Sems®  
 Washer Outer Diameter: 15mm (19/32")  
 Hex: 8mm  
 Imports  
 UNIT PACKAGE: 50



## 21744

(Mitsubishi: MS452348)  
Black E-Coat

M6-1.81 x 20mm  
Phillips Hex Head Sems®  
Washer Outer Diameter: 13mm (1/2")  
Hex: 10mm  
Bumper, Exterior Trim,  
Fender Shield and Quarter Panel  
Mitsubishi Diamante, Eclipse, Galant, Lancer,  
Mirage, Montero & 3000GT 2012 - 1991

UNIT PACKAGE: 25



## 19170

Black Phosphate

M6.3-1.81 x 16mm (#14 x 5/8")  
Phillips Truss Head  
Head Outer Diameter: 15mm (19/32")  
Japanese Imports

UNIT PACKAGE: 50



## 15776

(N800312-S2)  
Phosphate

M6.3-1.81 x 16mm (#14 x 41/64")  
Hex Head Sems®  
Washer Outer Diameter: 16mm (5/8")  
Hex: 8mm  
Ford

UNIT PACKAGE: 50



## 12057

(11500994, 11509371)  
Phosphate

M6.3-1.81 x 16mm (#14 x 41/64")  
Hex Head Sems®  
Washer Outer Diameter: 17mm (11/16")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



## 22106

(Toyota: 90159-60303)  
Zinc

M6.3-2.5 x 18mm  
Phillips Hex Head Sems® Tapping Screw  
Washer Outer Diameter: 14mm  
Hex: 10mm  
Toyota & Scion 1993 - On

UNIT PACKAGE: 25



## 15962

Zinc & Yellow Dichromate

M6.3-1.81 x 18mm (#14 x 23/32")  
Hex Head Sems®  
Washer Outer Diameter: 22mm (7/8")  
Hex: 10mm  
Honda, Nissan, Toyota

UNIT PACKAGE: 25



## 13021

(55914-S2)  
Phosphate

#14 x 3/4"  
Hex Washer Head  
Washer Head Outer Diameter: 1/2"  
Hex: 3/8"  
Ford

UNIT PACKAGE: 50



## 13019

(N610959-S2)  
Phosphate

M6.3-1.81 x 19mm (#14 x 3/4")  
Hex Washer Head  
Washer Head Outer Diameter: 11.5mm (29/64")  
Hex: 8mm  
Ford

UNIT PACKAGE: 50

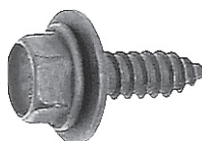


## 20556

Black Zinc

M6.3-1.81 x 20mm (#14 x 25/32")  
Phillips Hex Head Sems®  
Washer Outer Diameter: 16mm (5/8")  
Hex: 10mm  
Imports

UNIT PACKAGE: 50

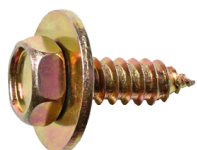


## 12351

(11505022)  
Black Phosphate

M6.3-1.81 x 20mm (#14 x 25/32")  
Hex Washer Head Sems®  
Washer Outer Diameter: 17mm (11/16")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



**16828**

Zinc & Yellow Dichromate

M6.3-1.81 x 20mm (#14 x 25/32")  
Hex Head Sems®  
Washer Outer Diameter: 18mm (45/64")  
Hex: 10mm  
Honda, Nissan & Toyota

UNIT PACKAGE: 25



**20557**

Black Zinc

M6.3-1.81 x 20mm (#14 x 25/32")  
Phillips Hex Head Sems®  
Washer Outer Diameter: 20mm (25/32")  
Hex: 10mm  
Imports

UNIT PACKAGE: 50



**18934**

(6034703, 6035188)  
Zinc Organic

#14 x 7/8"  
Hex Washer Head  
Serrations under the Washer Head  
Washer Head Outer Diameter: 13/16"  
Hex: 3/8"  
Front Fender & Fascia Attachment  
Chrysler 1993-On

UNIT PACKAGE: 25



**21838**

(Toyota: 90159-60488)  
Zinc

M6.3-2.5 x 24mm (#14 x 15/16")  
Phillips Hex Head Sems®  
Washer Outer Diameter: 16mm (5/8")  
Hex: 10mm  
Front Bumper, Bumper Stay, Hood and Front Fender  
Lexus CT200, ES350, HS250, IS & SC430,  
Scion and Toyota 1995 - On

UNIT PACKAGE: 25



**12339**

(11500996, 11505023)  
Phosphate

M6.3-1.81 x 25mm (#14 x 1")  
Hex Head Sems®  
Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 50

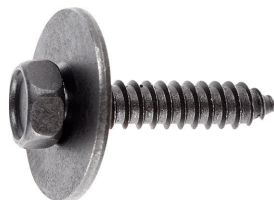


**12354**

(11500997)  
Phosphate

M6.3-1.81 x 30mm  
(#14 x 1-3/16")  
Hex Head Sems®  
Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



**12068**

(11504981)  
Phosphate

M6.3-1.81 x 30mm  
(#14 x 1-3/16")  
Hex Head Sems®  
Washer Outer Diameter: 24mm(15/16")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



**22295**

(Hyundai: 12493-06207B)  
Black Phosphate

M6.5-1.81 x 18mm  
Phillips Truss Head  
Head Outer Diameter: 16mm  
Fender Liner  
Hyundai Accent, Azera, Elantra,  
Entourage, Genesis, I30, Santa Fe,  
Sonata, Tiburon, Tucson, Veloster &  
Veracruz 2013 - 2005

UNIT PACKAGE: 25



**22296**

(Hyundai: 92155-22000;  
11254-06206)  
Black Phosphate

M6.5-1.81 x 25mm  
Phillips Truss Head  
Head Outer Diameter: 16mm  
Headlamp Assembly Mounting Screw  
Hyundai 2000 - On

UNIT PACKAGE: 25



## 21837

(Toyota: 90159-60525)  
Black E-Coat

M6.5-2.5 x 19mm (#14 x 3/4")  
Phillips Hex Head Sems®  
Washer Outer Diameter: 20mm (25/32")  
Hex: 10mm  
Floor Pan & Lower Back Panel Moulding,  
Rear Bumper Stay, Suspension Cross  
Member and Under Cover  
Toyota 1998 - On

UNIT PACKAGE: 25



## 10364

Black Oxide

5/16"-12 x 7/8"  
Hex Washer Head  
Washer Head Outer Diameter: 21/32"  
Hex: 1/2"

UNIT PACKAGE: 100

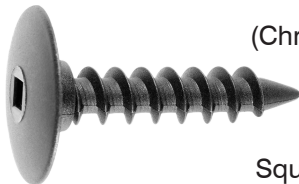


## 10714

(9796223)  
Phosphate

5/16"-12 x 1"  
Hex Washer Head  
Washer Head Outer Diameter: 21/32"  
Hex: 1/2"  
GM

UNIT PACKAGE: 50



## 19417

(Chry: 6503819, 6503401;  
GM: 25631448)  
Black Nylon

M7.5 x 35mm  
Square Drive Truss Head  
Head Diameter: 22mm  
Shoulder Diameter: 9mm  
Foam to Bumper Fascia  
Chrysler 1993-On  
GM 1997-On

UNIT PACKAGE: 15



## 21517

(GM: 25705182)  
Black Nylon

M9.5 x 46mm  
Bumper Fascia Nylon Screw  
Square Drive  
Head Diameter: 22mm  
GM 2004 - On

UNIT PACKAGE: 25



## 12350

(11500086)  
Phosphate

M8-2.12 x 20mm (5/16"-12 x 25/32")  
Hex Washer Head  
Washer Head Outer Diameter: 16mm (5/8")  
Hex: 13mm  
GM

UNIT PACKAGE: 25



## 20970

(Not Available from O.E.M.)  
Black Nylon

M14 x 34mm  
Bumper and Door Insulator  
Nylon Screw  
No. 3 Square Drive  
Head Outer Diameter: 22mm  
Fits into 12mm Hole  
GM, Ford & Chrysler 2005 - On

UNIT PACKAGE: 25

## HAVE YOU VISITED US ONLINE?

Auveco's website has been completely renovated.  
Our new design is user friendly with easy navigation and ordering.

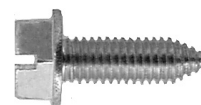
Product is searchable by car make, OEM number and category, as well as, several attribute drop downs within individual categories. All product also has stock availability listed.

Make sure to head over to  
**www.auveco.com**  
to receive up to date information on all our products.



# Sec. 5

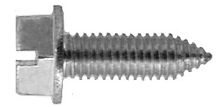
# License Plate Screw Specification Chart



Auveco Part No.	Size	Length	Hex Size	Washer/Head O.D.	Type	Point Type	Finish	Unit Pkg.	Page No.
<b>Machine Screw Thread</b>									
18779	M5-0.8	12mm (15/32")		12.7mm (1/2")	Phillips Pan Washer Head	B	Zinc & Yellow Dichromate	100	107
17315	M6-1.0	12mm (15/32")	10mm	14mm (9/16")	Hex Flange Head	B	Zinc & Clear	50	107
17316	M6-1.0	16mm (5/8")	10mm	14mm (9/16")	Hex Flange Head	B	Zinc & Clear	50	108
14473	M6-1.0	16mm (5/8")		14mm (9/16")	Slotted Round Washer Head	B	Zinc	50	108
17152	M6-1.0	16mm (5/8")		14mm (9/16")	Slotted Round Washer Head	B	Black E-Coat	50	108
20680	M6-1.0	16mm (5/8")		14mm (9/16")	Phillips Round Washer Head	BT	Black Zinc	50	108
21181	M6-1.0	16mm (5/8")		12mm (15/32")	Slotted Pan Head with Hex Nut	B	Black Nylon	50 Sets	110
15413	M6-1.0	20mm (25/32")		12mm (15/32")	Slotted Pan Head with Hex Nut	B	Black Nylon	50 Sets	110
21606	M6-1.0	20mm (25/32")		12mm (15/32")	Phillips Pan Head with Hex Nut	B	Black Nylon	50 Sets	111
13934	M6-1.0	20mm (25/32")		12mm (15/32")	Slotted Pan Head with Hex Nut	B	Natural Nylon	25 Sets	111
18769	M6-1.0	20mm (25/32")		12mm (15/32")	Phillips Pan Head	B	Black E-Coat	50	108
16826	M6-1.0	20mm (25/32")	10mm	13mm (1/2")	Slotted Hex Washer Head	CA	Zinc	50	108
18239	M6-1.0	25mm (1")		12mm (15/32")	Slotted Pan Head with Hex Nut	B	Natural Nylon	25 Sets	111
18241	M6-1.0	25mm (1")		12mm (15/32")	Slotted Pan Head with Hex Nut	B	Black Nylon	25 Sets	111
5908	1/4"-20	1/2"		9/16"	Slotted Round Head	B	Zinc	100	107
5909	1/4"-20	1/2"		1/2"	Slotted Round Washer Head	B	Zinc	100	107
1313	1/4"-20	1/2"		9/16"	Slotted Truss Head with Hex Nut	B	Zinc	100 Sets	107
3184	1/4"-20	1/2"		9/16"	Slotted Truss Head with Square Nut	B	Zinc	100 Sets	109
3182	1/4"-20	1/2"		1/2"	Slotted Round Washer Head with Hex Nut	B	Zinc	100 Sets	109
3183	1/4"-20	1/2"		1/2"	Slotted Round Washer Head with Square Nut	B	Zinc	100 Sets	109
5885	1/4"-20	1/2"		1/2"	Slotted Round Washer Head with Wing Nut	B	Zinc	50 Sets	109
8427	1/4"-20	5/8"		1/2"	Slotted Pan Head with Nylon Nut	F	Zinc	50 Sets	110
13922	1/4"-20	5/8"		19/32"	Slotted Truss Washer Head with Washer Nut	B	Natural Nylon	25 Sets	110

(Continued on next page)

# License Plate Screw Specification Chart



Auveco Part No.	Size	Length	Hex Size	Washer/ Head O.D.	Type	Point Type	Finish	Unit Pkg.	Page No.
<b>Machine Screw Thread (continued)</b>									
<b>18484</b>	1/4"-20	5/8"		19/32"	Slotted Truss Washer Head with Washer Nut	B	Black Nylon	25 Sets	110
<b>5910</b>	1/4"-20	3/4"		9/16"	Slotted Truss Head	B	Zinc	100	108
<b>2472</b>	1/4"-20	3/4"		9/16"	Slotted Round Washer Head with Square Nut	B	Zinc	100 Sets	110
<b>Tapping Screw Thread</b>									
<b>18156</b>	M4.8-1.59 (#10)	16mm (5/8")		10mm (3/8")	Phillips Wafer Head	AB	Zinc & Yellow	50	107
<b>5278</b>	#10	5/8"		1/2"	Slotted Truss Washer Head	AB	Zinc	100	107
<b>17558</b>	#10	3/4"		15/32"	Phillips Flat Washer Head	AB	Black E-Coat	100	107
<b>17980</b>	M6-1.81 (1/4"-14)	16mm (5/8")	10mm	13mm (1/2")	Phillips Hex Washer Head	AB	Zinc & Yellow Dichromate	50	108
<b>16960</b>	M6-1.81 (1/4"-14)	20mm (25/32")	10mm	12mm (15/32")	Phillips Hex Washer Head	AB	Zinc & Yellow Dichromate	50	109
<b>17098</b>	M6.3-1.81 (1/4"-14)	15mm (19/32")		13mm (1/2")	Phillips Truss Head	AB	Zinc & Yellow Dichromate	50	107
<b>19777</b>	M6.3-1.81 (#14)	16mm (5/8")		14mm (9/16")	Duo-Drive Truss Head	B	Dacromet 320	50	108
<b>21081</b>	M6.3-1.81 (#14)	20mm (25/32")		14mm (9/16")	Duo-Drive Truss Head	AB	Dacromet 320	50	109
<b>15170</b>	#14	1/2"			Thumb Screw	AB	Zinc Die Cast	25	109
<b>15758</b>	#14	5/8"		9/16"	Slotted Truss Head	Dog Pt	Zinc	50	107
<b>8249</b>	1/4"	5/8"		9/16"	Slotted Round Washer Head	B	Zinc	100	107
<b>8250</b>	1/4"	5/8"		9/16"	Slotted Round Washer Head with Nylon Nut	B	Zinc	25 Sets	109
<b>16421</b>	#14 (1/4")	5/8"	5/16"	5/8"	Slotted Hex Washer Head	B	Black E-Coat	50	107
<b>16422</b>	#14 (1/4")	5/8"	5/16"	5/8"	Slotted Hex Washer Head	B	Zinc	50	107
<b>20446</b>	#14 (1/4")	5/8"	5/16"	5/8"	Slotted Hex Washer Head	AB	Black E-Coat	50	108
<b>21609</b>	#14	3/4"		15/32"	Phillips Pan Head	A	Stainless Steel	100	108
<b>9603</b>	#14	3/4"		9/16"	Slotted Truss Head	AB	Zinc	100	108
<b>16323</b>	#14	3/4"		9/16"	Slotted Truss Head	AB	Black E-Coat	100	108
<b>11369</b>	#14	3/4"	3/8"	1/2"	Slotted Hex Washer Head	AB	Zinc	50	109
<b>11370</b>	#14	3/4"	3/8"	1/2"	Slotted Hex Washer Head with Nylon Nut	AB	Zinc	25 Sets	110
<b>18354</b>	#14	3/4"	3/8"	1/2"	Slotted Hex Washer Head	AB	Black E-Coat	50	109
<b>20301</b>	#14	1-3/16"		9/16"	Slotted Truss Head	B	Black E-Coat	50	109



**18156**

(51-81-1-821-830)  
Zinc & Yellow

M4.8-1.59 x 16mm (#10 x 5/8")  
Phillips Wafer Head License Plate Screw  
Head O.D.: 10mm (3/8")  
BMW

UNIT PACKAGE: 50



**5278**

(3783002)  
Zinc

#10 x 5/8"  
Slotted Truss Washer Head License Plate Screw  
Washer Head O.D.: 1/2"  
**Use with Auveco Nut 5228**  
GM

UNIT PACKAGE: 100



**17558**

Black E-Coat (168 Hours Salt Spray)

#10 x 3/4"  
Phillips Flat Washer Head License Plate Screw  
Washer Head O.D.: 15/32"

UNIT PACKAGE: 100



**18779**

Zinc & Yellow Dichromate

M5-0.8 x 12mm  
Phillips Pan Washer Head License Plate Screw  
Washer Head O.D.: 12.7mm (1/2")  
Ford Contour & Mercury Mystique 1995-On

UNIT PACKAGE: 100



**17315**

Zinc & Clear

M6-1.0 x 12mm  
Hex Flange License Plate Screw  
Flange O.D.: 14mm (9/16")  
Hex: 10mm  
Class 10.9  
Acura

UNIT PACKAGE: 50



**5908**

Zinc

1/4"-20 x 1/2"  
Slotted Round Head License Plate Screw  
Head Diameter: 9/16"

UNIT PACKAGE: 100



**5909**

Zinc

1/4"-20 x 1/2"  
Slotted Round Washer Head  
License Plate Screw  
Washer Head O.D.: 1/2"

UNIT PACKAGE: 100



**17098**

Zinc & Yellow Dichromate

M6.3-1.81 x 15mm (1/4"-14 x 19/32")  
Phillips Truss Head License Plate Screw  
Head Diameter: 13mm (1/2")

UNIT PACKAGE: 50



**15758**

Zinc

#14 x 5/8"  
Slotted Truss Head with Dog Point  
License Plate Screw  
Head O.D.: 9/16"

UNIT PACKAGE: 50

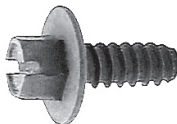


**8249**

Zinc

1/4" x 5/8"  
Slotted Round Washer Head  
License Plate Screw  
Washer Head O.D.: 9/16"  
**Use with Auveco Nut 8242**

UNIT PACKAGE: 100



**16421**

(N800369-S2)  
Black E-Coat

#14 (1/4") x 5/8"  
Slotted Hex Washer Head License Plate Screw  
Washer Head O.D.: 5/8"  
Hex: 5/16"  
Ford

UNIT PACKAGE: 50



**16422**

(N800369)  
Zinc

#14 (1/4") x 5/8"  
Slotted Hex Washer Head License Plate Screw  
Washer Head O.D.: 5/8"  
Hex: 5/16"  
Ford

UNIT PACKAGE: 50



## 20446

Black E-Coat

#14 (1/4") x 5/8"  
Slotted Hex Washer Head  
License Plate Screw  
Washer Head O.D.: 5/8"  
Hex: 5/16"  
Ford

UNIT PACKAGE: 50



## 17980

Zinc & Yellow Dichromate

M6-1.81 x 16mm (1/4"-14 x 5/8")  
Phillips Hex Washer Head License Plate Screw  
Washer Head O.D.: 13mm (1/2")  
Hex: 10mm

UNIT PACKAGE: 50



## 17316

Zinc & Clear

M6-1.0 x 16mm  
Hex Flange License Plate Screw  
Flange O.D.: 14mm (9/16")  
Hex: 10mm  
Class 10.9  
Acura

UNIT PACKAGE: 50



## 14473

Zinc

M6-1.0 x 16mm  
Slotted Round Washer Head  
License Plate Screw  
Washer Head O.D.: 14mm (9/16")

UNIT PACKAGE: 50



## 17152

Black E-Coat (168 Hours Salt Spray)

M6-1.0 x 16mm  
Slotted Round Washer Head  
License Plate Screw  
Washer Head O.D.: 14mm (9/16")

UNIT PACKAGE: 50



## 20680

Black Zinc

M6-1.0 x 16mm  
Phillips Round Washer Head Thread Cutting  
License Plate Screw  
Washer Head O.D.: 14mm (9/16")  
Hyundai

UNIT PACKAGE: 50



## 19777

Dacromet 320

M6.3-1.81 x 16mm (#14 x 5/8")  
Duo-Drive Truss Head License Plate Screw  
Head Diameter: 14mm  
GM

UNIT PACKAGE: 50



## 21609

Stainless Steel

#14 x 3/4"  
Phillips Pan Head License Plate Screw  
Head O.D.: 15/32"

UNIT PACKAGE: 100



## 5910

Zinc

1/4"-20 x 3/4"  
Slotted Truss Head License Plate Screw  
Head Diameter: 9/16"

UNIT PACKAGE: 100



## 9603

Zinc

#14 x 3/4"  
Slotted Truss Head License Plate Screw  
Head Diameter: 9/16"

UNIT PACKAGE: 100



## 16323

Black E-Coat (168 Hours Salt Spray)

#14 x 3/4"  
Slotted Truss Head License Plate Screw  
Head Diameter: 9/16"

UNIT PACKAGE: 100

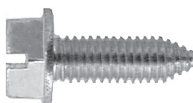


## 18769

Black E-Coat  
(168 Hours Salt Spray)

M6-1.0 x 20mm  
Phillips Pan Head License Plate Screw  
Head Diameter: 12mm (15/32")

UNIT PACKAGE: 50



## 16826

(Chry: 34201287;  
AMC: 8934201287)  
Zinc

M6-1.0 x 20mm  
Slotted Hex Washer Head License Plate Screw  
Washer Head O.D.: 13mm (1/2")  
Hex: 10mm

Chrysler, Honda & AMC

UNIT PACKAGE: 50





**16960**

(Toyota: 93904-46320;  
Honda: 91500-SM4-999AH)  
Zinc & Yellow Dichromate

M6-1.81 x 20mm (1/4"-14 x 3/4")  
Phillips Hex Washer Head License Plate Screw  
Washer Head O.D.: 12mm (1/2")  
Hex: 10mm  
Honda, GEO Prizm & Toyota 1990-On

UNIT PACKAGE: 50



**11369**

Zinc

#14 x 3/4"

Slotted Hex Washer Head License Plate Screw  
Washer Head O.D.: 1/2"  
Hex: 3/8"  
Ford

UNIT PACKAGE: 50



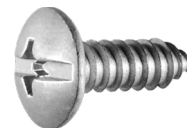
**18354**

Black E-Coat  
(168 Hours Salt Spray)

#14 x 3/4"

Slotted Hex Washer Head License Plate Screw  
Washer Head O.D.: 1/2"  
Hex: 3/8"  
Ford

UNIT PACKAGE: 50



**21081**

(25732397)  
Dacromet 320

M6.3-1.81 x 20mm  
(#14 x 3/4")

Duo-Drive Truss Head License Plate Screw  
Head Diameter: 14mm  
GM 2002 - On

UNIT PACKAGE: 50



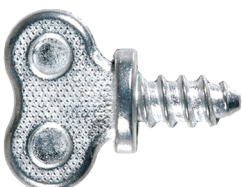
**20301**

(16502342)  
Black E-Coat  
(168 Hours Salt Spray)

#14 x 1-3/16"

Slotted Truss Head License Plate Screw  
Head Diameter: 9/16"  
GM S & T Trucks 1998 - On

UNIT PACKAGE: 50



**15170**

#14 x 1/2"  
Dealer License  
Plate Thumb Screw  
Overall Length: 1-1/8"

UNIT PACKAGE: 25



**1313**

Zinc

1/4"-20 x 1/2"  
Slotted Truss Head  
License Plate Screw with Hex Nut  
Head Diameter: 9/16"  
Hex Width (ATF): 7/16"

UNIT PACKAGE: 100 Sets



**3184**

Zinc

1/4"-20 x 1/2"  
Slotted Truss Head  
License Plate Screw with Square Nut  
Head Diameter: 9/16"  
ATF: 7/16"

UNIT PACKAGE: 100 Sets



**3182**

Zinc

1/4"-20 x 1/2"  
Slotted Round Washer Head  
License Plate Screw with Hex Nut  
Washer Head O.D.: 1/2"  
Hex Width (ATF): 7/16"

UNIT PACKAGE: 100 Sets



**3183**

Zinc

1/4"-20 x 1/2"  
Slotted Round Washer Head  
License Plate Screw  
with Square Nut  
Washer Head O.D.: 1/2"  
ATF: 7/16"

UNIT PACKAGE: 100 Sets



**5885**

Zinc

1/4"-20 x 1/2"  
Slotted Round Washer Head  
License Plate Screw with Flat Washer  
and Wing Nut  
Washer Head O.D.: 1/2"  
Washer O.D.: 5/8"

UNIT PACKAGE: 50 Sets



**8250**

Zinc

1/4" x 5/8"  
Slotted Round Washer Head  
License Plate Screw and Nylon  
Nut (Auveco No. 8249 & 8242)  
Washer Head O.D.: 9/16"  
Chrysler

UNIT PACKAGE: 25 Sets

# LICENSE PLATE FASTENERS

## Sec. 5



**8427**  
(379046-S)  
Zinc

1/4"-20 x 5/8"  
Slotted Pan Head Type F Thread Cutting  
License Plate Screw and  
Nylon Nut (Auveco 5307 & 3682)  
Head Diameter: 1/2"

UNIT PACKAGE: 50 Sets



**2472**  
Zinc

1/4"-20 x 3/4"  
Slotted Truss Head  
License Plate Screw with Square Nut  
Head Diameter: 9/16"  
Hex Width (ATF): 7/16"

UNIT PACKAGE: 100 Sets



**11370**  
Zinc

#14 x 3/4"  
Slotted Hex Washer Head  
License Plate Screw and  
Nylon Nut (Auveco 11368 & 11369)  
Washer Head O.D.: 1/2"  
Hex: 3/8"  
Ford

UNIT PACKAGE: 25 Sets



**13922**  
Natural Nylon

1/4"-20 x 5/8"  
Slotted Truss Washer Head  
Washer Head O.D.: 19/32"  
Washer Nut O.D.: 9/16"  
Hex Width (ATF): 7/16"

UNIT PACKAGE: 25 Sets

**17171**  
Screw only from 13922  
UNIT PACKAGE: 50

**18342**  
Screw only from 13922  
UNIT PACKAGE: 1000

**17228**  
Nut only from 13922  
UNIT PACKAGE: 50

**18346**  
Nut only from 13922  
UNIT PACKAGE: 1000



**18484**  
Black Nylon

1/4"-20 x 5/8"  
Slotted Truss Washer Head  
Washer Head O.D.: 19/32"  
Washer Nut O.D.: 9/16"  
Hex Width (ATF): 7/16"

UNIT PACKAGE: 25 Sets

**18485**  
Screw only from 18484  
UNIT PACKAGE: 50

**18486**  
Screw only from 18484  
UNIT PACKAGE: 1000

**18487**  
Nut only from 18484  
UNIT PACKAGE: 50

**18488**  
Nut only from 18484  
UNIT PACKAGE: 1000



**21181**  
Black Nylon

M6-1.0 x 16mm  
Slotted Pan Head  
Head Diameter: 12mm (15/32")  
Hex Width (ATF): 10mm (25/64")

UNIT PACKAGE: 50 Sets

**21182**  
Screw only from 21181  
UNIT PACKAGE: 100

**21183**  
Screw only from 21181  
UNIT PACKAGE: 1000

**18348**  
Nut only from 21181  
UNIT PACKAGE: 1000



**15413**  
Black Nylon

M6-1.0 x 20mm  
Slotted Pan Head  
Head Diameter: 12mm (15/32")  
Hex Width (ATF): 10mm (25/64")

UNIT PACKAGE: 50 Sets

**17091**  
Screw only from 15413  
UNIT PACKAGE: 100

**18344**  
Screw only from 15413  
UNIT PACKAGE: 1000

**18348**  
Nut only from 15413  
UNIT PACKAGE: 1000



**13934**

Natural Nylon

M6-1.0 x 20mm  
Slotted Pan Head  
Head Diameter: 12mm (15/32")  
Hex Width (ATF): 10mm (25/64")

UNIT PACKAGE: 25 Sets

**17169**

Screw only from 13934  
UNIT PACKAGE: 100

**18343**

Screw only from 13934  
UNIT PACKAGE: 1000

**18347**

Nut only from 13934  
UNIT PACKAGE: 1000



**21606**

Black Nylon

M6-1.0 x 20mm  
Phillips Pan Head  
Head Diameter: 12mm (15/32")  
Hex Width (ATF): 10mm (25/64")

UNIT PACKAGE: 50 Sets

**21607**

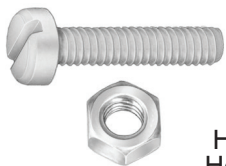
Screw only from 21606  
UNIT PACKAGE: 100

**21608**

Screw only from 21606  
UNIT PACKAGE: 1000

**18348**

Nut only from 21606  
UNIT PACKAGE: 1000



**18239**

Natural Nylon

M6-1.0 x 25mm  
Slotted Pan Head  
Head Diameter: 12mm (15/32")  
Hex Width (ATF): 10mm (25/64")

UNIT PACKAGE: 25 Sets

**18238**

Screw only from 18239  
UNIT PACKAGE: 50



**18241**

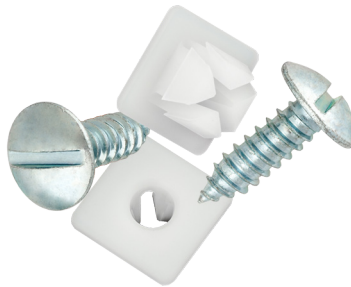
Black Nylon

M6-1.0 x 25mm  
Slotted Pan Head  
Head Diameter: 12mm (15/32")  
Hex Width (ATF): 10mm (25/64")

UNIT PACKAGE: 25 Sets

**18240**

Screw only from 18241  
UNIT PACKAGE: 50



**16669**

Bagged Hardware

2 Pieces each of 9603  
(Slotted Truss  
Head Screw: #14 x 3/4")  
And 11719 (Nylon Nut)  
Packaged in unmarked,  
see-thru plastic bags.

UNIT PACKAGE: 50 Sets



**16670**

Bagged Hardware

4 Pieces each of 9603  
(Slotted Truss  
Head Screw: #14 x 3/4")  
And 11719 (Nylon Nut)  
Packaged in unmarked,  
see-thru plastic bags.

UNIT PACKAGE: 50 Sets

**16690**

Same as 16670 except for unit package quantity

UNIT PACKAGE: 100 Sets



**16800**

Nylon Screw, Spacer,  
Washer & Brass Nut

M6-1.0 x 20mm  
Slotted Pan Head License  
Plate Screw & Hardware  
Head Diameter: 12mm (15/32")  
Hex Width (ATF): 10mm (25/64")  
Washer O.D.: 12.5mm (1/2")  
Spacer O.D.: 19mm (3/4")  
Toyota

UNIT PACKAGE: 25 Sets



**17636**

Nylon

License Plate Bracket Spacer  
I.D.: 1/4" (6mm)  
O.D.: 3/4" (19mm)  
Thickness: 1/4" (6mm)  
Toyota

UNIT PACKAGE: 50



**2625**

Nylon

License Plate Nut & Headlight Door Screw  
Screw Size: #8  
Mounting Screw Nut  
Chrysler

UNIT PACKAGE: 100



**5228**  
(3783006)  
Nylon

License Plate Nut  
Screw Size: #10  
**Use with Auveco Screw 5278**  
GM

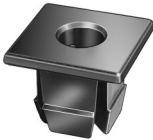
UNIT PACKAGE: 50



**20927**  
(N811478-S100)  
Black Nylon

License Plate & Rear Bumper  
Nylon Nut with Sealer  
Screw Size: M6.3 (#14)  
Head Size: 16mm x 16mm  
Stem Length: 8mm  
Ford Fusion & Mustang 2005 - On

UNIT PACKAGE: 15



**13466**  
(6032516)  
Black Nylon

License Plate Nut  
Screw Size: #12  
Chrysler

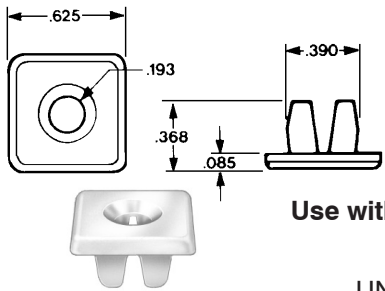
UNIT PACKAGE: 25



**11368**  
(380707-S)  
Nylon

License Plate Nut  
Screw Size: #14  
Ford

UNIT PACKAGE: 50



**3682**  
(1196781)  
Nylon

License Plate Nut  
Screw Size: 1/4" -20  
**Use with Auveco Screw 5307**  
GM

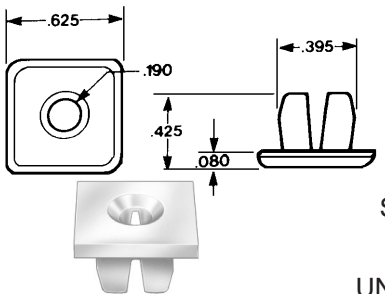
UNIT PACKAGE: 50



**8242**  
(6023925)  
Nylon

License Plate Nut  
Screw Size: 1/4" (#14)  
**Use with Auveco Screw 8249**  
Chrysler

UNIT PACKAGE: 50



**8435**  
(4755299)  
Nylon

License Plate Nut  
Screw Size: 1/4" (#14)  
GM

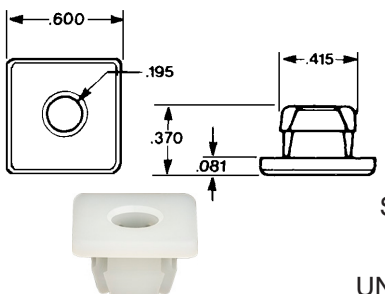
UNIT PACKAGE: 50



**8418**  
(380370)  
Nylon

License Plate Nut  
Screw Size: #14  
**Use with Auveco Screw 3089**  
GM

UNIT PACKAGE: 50



**11719**  
(3907444)  
Nylon

License Plate Nut  
Screw Size: 1/4" (#14)  
GM

UNIT PACKAGE: 50



**8954**  
Nylon

License Plate Nut  
Screw Size: #14  
**Use with Auveco Screws 8249 or 8952**

UNIT PACKAGE: 50



**19485**  
(6027958)  
Natural Nylon

License Plate Nut  
Screw Size: 1/4" (#14)  
Chrysler

UNIT PACKAGE: 10

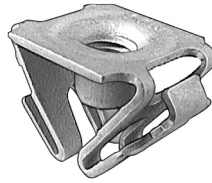




**20937**  
(22546934)  
Black Nylon

License Plate Screw Grommet  
Screw Size: M6.3 (#14)  
Head Size: 20mm x 20mm  
Stem Length: 14mm  
Buick Skylark, Chevrolet, Malibu,  
Oldsmobile Achieva, Cutlass  
& Intrigue 1992 - On

UNIT PACKAGE: 50



**19317**  
(15707256)  
Zinc Organic

Front Fender Extension  
& License Plate Bracket  
Retainer Nut  
Screw Size: M6-1.0  
GM Express &  
Savanna 1996-On

UNIT PACKAGE: 10

## AN IMPROVED FASTRACK WEB

FasTrack is an easy-to-use, web based system designed to assist body shops and dealerships in recovering the cost of body repair clips and fasteners used in daily collision repairs.

### Features:

- **New Look:** User-friendly design and intuitive functions with over 10,000 collision repair fasteners by Auveco
- **Repair Kits:** Simple to build your own kits or choose one of the other preloaded kits
- **Add Part Numbers with Ease:** Add unique non-auveco items. Add new numbers on the fly during invoicing
- **OEM Numbers:** Available with the latest OEM pricing and ability to use during invoicing
- **Reports:** Page by page user selected printing to gather usage information
- **Inventory Management:** Allows shop and/or the distributor to track inventory
- **Labeling:** End user can print individual bar code labels and lid labels
- **Barcode Scanning:** Done with our app using any smart phone or with our wedge scanner
- **Online Catalog & OEM Crossover**
- **Repair Type:** Requested by many insurance companies you can now add Repair Type during invoice processing (Front Bumper, Front Fender, Door, etc.)
- **CCC® Integration:** Enables users to import FasTrack invoices into CCC's Estimating system
- **Tutorial Videos:** Found in the Help Menu, videos demonstrating all FasTrack features
- **Security:** Site protected by Verisign Internet Security.

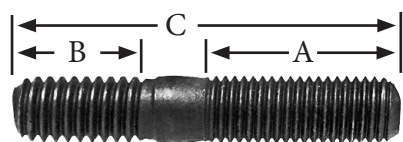
*Questions or concerns.*

*Please contact Mike Abrams. Call 859-442-4536 or email [mabrams@auveco.com](mailto:mabrams@auveco.com)*

# CYLINDER HEAD AND MANIFOLD STUDS

Grade 8 Medium Carbon Heat Treated Alloy Steel

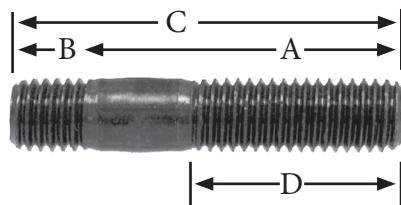
Sec. 6



Auveco Part No.	A Diameter & Length	B Diameter & Length	C Overall Length	Unit Pkg.
19595•	1/4"-20 USS x 1/2"	1/4"-20 USS x 8"	9"	10
9667	1/4"-28 SAE x 3/8"	1/4"-20 USS x 7/16"	1"	10
9668	1/4"-28 SAE x 1/2"	1/4"-20 USS x 1/2"	1-1/4"	10
9669	1/4"-28 SAE x 3/4"	1/4"-20 USS x 1/2"	1-1/2"	10
9670	1/4"-28 SAE x 1"	1/4"-20 USS x 1/2"	2"	10
9673	5/16"-24 SAE x 7/16"	5/16"-18 USS x 3/8"	1"	10
9674	5/16"-24 SAE x 5/8"	5/16"-18 USS x 1/2"	1-1/4"	10
9675	5/16"-24 SAE x 5/8"	5/16"-18 USS x 3/4"	1-1/2"	10
9676	5/16"-24 SAE x 7/8"	5/16"-18 USS x 9/16"	1-3/4"	10
9677	5/16"-24 SAE x 1"	5/16"-18 USS x 9/16"	2"	10
14824	5/16"-24 SAE x 1-5/8"	5/16"-18 USS x 1/2"	2-1/2"	10
9679	5/16"-18 USS x 7/8"	5/16"-18 USS x 7/16"	1-1/2"	10
9680	5/16"-18 USS x 1"	5/16"-18 USS x 7/16"	2"	10
9681	5/16"-24 SAE x 1-1/2"	5/16"-18 USS x 5/8"	3"	10
9683	3/8"-24 SAE x 3/4"	3/8"-16 USS x 1/2"	1-1/2"	10
9684	3/8"-24 SAE x 3/4"	3/8"-16 USS x 1/2"	1-3/4"	10
9686	3/8"-24 SAE x 1"	3/8"-16 USS x 5/8"	2"	10
9687	3/8"-16 USS x 1"	3/8"-16 USS x 3/4"	2"	10
9688	3/8"-16 USS x 1"	3/8"-16 USS x 5/8"	2-1/8"	10
14827*	3/8"-16 USS x 1-5/8"	3/8"-16 USS x 7/16"	2-7/32"	10
19597*	3/8"-16 USS x 1/2"	3/8"-16 USS x 1-7/8"	2-1/2"	10
9689	3/8"-24 SAE x 1"	3/8"-16 USS x 3/4"	2-3/4"	10
12129	3/8"-16 USS x 5/8"	3/8"-16 USS x 2"	3"	10
9690	3/8"-24 SAE x 2"	3/8"-16 USS x 5/8"	3"	10
9692	3/8"-16 USS x 1-5/8"	3/8"-16 USS x 7/16"	3-1/4"	10
9695	3/8"-16 USS x 2"	3/8"-16 USS x 3/4"	4"	10
9696	3/8"-24 SAE x 1-7/8"	3/8"-16 USS x 1/2"	4"	10
9699	7/16"-20 SAE x 3/4"	7/16"-14 USS x 9/16"	1-3/4"	10
9701	7/16"-20 SAE x 7/8"	7/16"-14 USS x 3/4"	2"	10
9702	7/16"-14 USS x 15/16"	7/16"-14 USS x 3/4"	2"	10
9705	7/16"-20 SAE x 3/4"	7/16"-14 USS x 3/4"	2-1/4"	10
9709	7/16"-20 SAE x 7/8"	7/16"-14 USS x 3/4"	2-1/2"	10
9711	7/16"-14 USS x 1-1/4"	7/16"-14 USS x 3/4"	2-1/2"	10
9712	7/16"-20 SAE x 1-3/8"	7/16"-14 USS x 3/4"	2-1/2"	10
9715	7/16"-20 SAE x 1-13/16"	7/16"-14 USS x 3/4"	3"	10
9727	1/2"-20 SAE x 3/4"	1/2"-13 USS x 3/4"	1-7/8"	10
9728	1/2"-20 SAE x 15/16"	1/2"-13 USS x 13/16"	2"	10
9729	1/2"-20 SAE x 1"	1/2"-13 USS x 3/4"	2-1/4"	10
9731	1/2"-20 SAE x 1"	1/2"-13 USS x 3/4"	2-1/2"	10
9732	1/2"-20 SAE x 2"	1/2"-13 USS x 3/4"	3"	10
9739	9/16"-18 SAE x 1-1/4"	9/16"-12 USS x 1"	3"	10
9744	5/8"-11 USS x 1-1/2"	5/8"-11 USS x 13/16"	2-3/4"	10
9745	5/8"-18 SAE x 1-1/4"	5/8"-11 USS x 1"	3"	10

• Grade 2, Zinc Plated

\* With Dog Point



Auveco Part No.	A Diameter & Length	B Diameter & Length	C Overall Length	D Length	Unit Pkg.
11973	6mm-1.00 x 20mm	6mm-1.00 x 7.5mm	27.5mm	18mm	10
11974	6mm-1.00 x 25mm	6mm-1.00 x 7.5mm	32.5mm	18mm	10
11980	8mm-1.25 x 20mm	8mm-1.25 x 10mm	30.0mm	16mm	10
11981	8mm-1.25 x 25mm	8mm-1.25 x 10mm	35.0mm	22mm	10
11982	8mm-1.25 x 30mm	8mm-1.25 x 10mm	40.0mm	22mm	10
11983	8mm-1.25 x 35mm	8mm-1.25 x 10mm	45.0mm	22mm	10
11984	8mm-1.25 x 40mm	8mm-1.25 x 10mm	50.0mm	22mm	10
11987	8mm-1.25 x 55mm	8mm-1.25 x 10mm	65.0mm	22mm	10
11989	10mm-1.50 x 30mm	10mm-1.50 x 12mm	42.0mm	18mm	10
11990	10mm-1.50 x 35mm	10mm-1.50 x 12mm	47.0mm	26mm	10
11991	10mm-1.50 x 40mm	10mm-1.50 x 12mm	52.0mm	26mm	10
11993	10mm-1.50 x 50mm	10mm-1.50 x 12mm	62.0mm	26mm	10
11995	10mm-1.50 x 65mm	10mm-1.50 x 12mm	77.0mm	26mm	5
11998	12mm-1.75 x 30mm	12mm-1.75 x 15mm	45.0mm	25mm	5

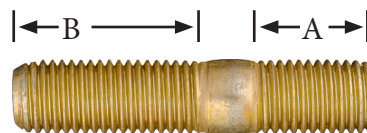


**11404**

(N14-4003)  
Plain

M8-1.25 x 35mm  
Class 4.8  
Volkswagen Intake Manifold

UNIT PACKAGE: 25

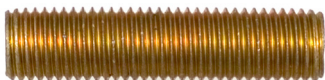


**17560**

Zinc & Yellow Dichromate

M10-1.25 x 48mm  
Dim. A: 15mm; Dim. B: 25mm  
Class 8.8  
Exhaust Systems  
Honda, Nissan & Toyota

UNIT PACKAGE: 10



**17559**

Zinc & Yellow Dichromate

M10-1.25 x 42mm  
Class 8.8  
Exhaust Systems  
Honda, Nissan & Toyota

UNIT PACKAGE: 10



**17596**

Zinc & Yellow Dichromate

M12-1.25 x 50mm  
Class 8.8  
Catalytic Converter  
Mazda

UNIT PACKAGE: 5



**Phillips Pan Head  
Metric Machine Screws**  
DIN 7985  
Regular Pitch • Zinc Plated

Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
15867	4mm-.70	8mm	100
15868	4mm-.70	10mm	100
15869	4mm-.70	16mm	100
15870	5mm-.80	8mm	100
15871	5mm-.80	10mm	100
15872	5mm-.80	12mm	100
15873	5mm-.80	16mm	100
15874	5mm-.80	20mm	100
15875	5mm-.80	25mm	100
15876	6mm-1.00	10mm	100
15877	6mm-1.00	12mm	100
15878	6mm-1.00	16mm	50
15879	6mm-1.00	20mm	50
15880	6mm-1.00	25mm	50
15881	6mm-1.00	30mm	50



**Slotted Flat Fillister Head  
Metric Machine Screws**  
DIN 84  
Regular Pitch • Zinc Plated

Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
10459	5mm-.80	16mm	25
10460	5mm-.80	20mm	25
14396	6mm-1.00	10mm	100
10464	6mm-1.00	20mm	25
14398	6mm-1.00	20mm	50



**Slotted Pan Head  
Metric Machine Screws**  
DIN 85  
Regular Pitch • Zinc Plated

Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
10427	4mm-.70	10mm	25
10431	5mm-.80	12mm	25
10436	6mm-1.00	10mm	25
14391	6mm-1.00	10mm	100
10437	6mm-1.00	12mm	25
14392	6mm-1.00	12mm	100
10438	6mm-1.00	16mm	25
14393	6mm-1.00	16mm	100
10439	6mm-1.00	18mm	25
14394	6mm-1.00	18mm	100
10440	6mm-1.00	20mm	25
14395	6mm-1.00	20mm	100
10441	6mm-1.00	25mm	25



**Phillips Oval Head  
Metric Machine Screws**  
DIN 966  
Regular Pitch • Zinc Plated

Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
15888	5mm-.80	12mm	100
15890	5mm-.80	20mm	100
15893	6mm-1.00	12mm	100
15895	6mm-1.00	20mm	50
15896	6mm-1.00	25mm	50



**Slotted Flat Head Metric Machine Screws**  
DIN 963 (Medium Head)  
Regular Pitch • Zinc Plated

Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
10478	4mm-.70	8mm	25

Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
10488	6mm-1.00	25mm	25





**Regular Pitch Metric Hex Head Cap Screws**

DIN 931 & DIN 933

Fully Threaded • 8.8 Heat Treated Alloy Steel • Zinc Plated  
Tensile Strength: 116,000 PSI

Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
4mm (7mm Hex)			
14581	4mm-.7	12mm	50
10501	4mm-.7	16mm	25
14400	4mm-.7	16mm	50
10502	4mm-.7	20mm	25
14401	4mm-.7	20mm	50
14582	4mm-.7	25mm	50
5mm (8mm Hex)			
10504	5mm-.8	10mm	25
14402	5mm-.8	10mm	50
14583	5mm-.8	12mm	50
10505	5mm-.8	16mm	25
14403	5mm-.8	16mm	50
10506	5mm-.8	20mm	25
14404	5mm-.8	20mm	50
10507	5mm-.8	25mm	25
14405	5mm-.8	25mm	50
10508	5mm-.8	30mm	10
14406	5mm-.8	30mm	25
15512	5mm-.8	40mm	50
6mm (10mm Hex)			
14584	6mm-1.00	10mm	50
10509	6mm-1.00	12mm	25
14407	6mm-1.00	12mm	50
16697	6mm-1.00	12mm	100
10510	6mm-1.00	16mm	10
14408	6mm-1.00	16mm	25
16698	6mm-1.00	16mm	100
10511	6mm-1.00	20mm	10
14409	6mm-1.00	20mm	25
16699	6mm-1.00	20mm	100
10512	6mm-1.00	25mm	10
14410	6mm-1.00	25mm	25
16700	6mm-1.00	25mm	100
10513*	6mm-1.00	30mm	10
14411*	6mm-1.00	30mm	25
16701*	6mm-1.00	30mm	100
10514*	6mm-1.00	35mm	10
14412*	6mm-1.00	35mm	25
10515*	6mm-1.00	40mm	10
14413*	6mm-1.00	40mm	25
10516*	6mm-1.00	45mm	10
14414*	6mm-1.00	45mm	25
14585*	6mm-1.00	50mm	25
15514*	6mm-1.00	60mm	25
7mm (11mm Hex)			
14586	7mm-1.00	12mm	25
10517	7mm-1.00	16mm	10
14415	7mm-1.00	16mm	25
10519	7mm-1.00	25mm	10
14417	7mm-1.00	25mm	25
10520	7mm-1.00	30mm	10
14418	7mm-1.00	30mm	25
14587	7mm-1.00	40mm	25

Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
8mm (13mm Hex)			
14588	8mm-1.25	12mm	25
10521	8mm-1.25	16mm	10
14419	8mm-1.25	16mm	25
16702	8mm-1.25	16mm	50
10522	8mm-1.25	20mm	10
14420	8mm-1.25	20mm	25
16703	8mm-1.25	20mm	50
10523	8mm-1.25	25mm	10
14421	8mm-1.25	25mm	25
16704	8mm-1.25	25mm	50
10524	8mm-1.25	30mm	10
14422	8mm-1.25	30mm	25
16705	8mm-1.25	30mm	50
10525*	8mm-1.25	35mm	10
14423*	8mm-1.25	35mm	25
16706*	8mm-1.25	35mm	50
10526*	8mm-1.25	40mm	10
14424*	8mm-1.25	40mm	25
16707*	8mm-1.25	40mm	50
10527*	8mm-1.25	45mm	10
14425*	8mm-1.25	45mm	25
10528*	8mm-1.25	50mm	10
14426*	8mm-1.25	50mm	25
10529*	8mm-1.25	55mm	10
14427*	8mm-1.25	55mm	25
10530*	8mm-1.25	60mm	10
14428*	8mm-1.25	60mm	25
10532	8mm-1.25	70mm	5
14429	8mm-1.25	70mm	10
14589*	8mm-1.25	75mm	10
17399*	8mm-1.25	80mm	15
17400*	8mm-1.25	90mm	15
17401*	8mm-1.25	100mm	10
10mm (17mm Hex)			
10534	10mm-1.50	20mm	10
14430	10mm-1.50	20mm	25
16708	10mm-1.50	20mm	50
10535	10mm-1.50	25mm	10
14431	10mm-1.50	25mm	25
16709	10mm-1.50	25mm	50
10536	10mm-1.50	30mm	10
14432	10mm-1.50	30mm	25
16710	10mm-1.50	30mm	50
10537	10mm-1.50	35mm	5
14433	10mm-1.50	35mm	15
16711	10mm-1.50	35mm	25
10538*	10mm-1.50	40mm	5
14434*	10mm-1.50	40mm	15
16712*	10mm-1.50	40mm	25
10539*	10mm-1.50	45mm	5
14435*	10mm-1.50	45mm	15
10540*	10mm-1.50	50mm	5
14436*	10mm-1.50	50mm	15
16713*	10mm-1.50	50mm	25

\*DIN 931 - Not Fully Threaded

(Continued on next page)



## Regular Pitch Metric Hex Head Cap Screws

DIN 931 & DIN 933

Fully Threaded • 8.8 Heat Treated Alloy Steel • Zinc Plated  
Tensile Strength: 116,000 PSI

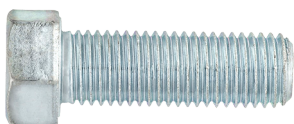
Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.	Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
10mm (17mm Hex) Continued				12mm (19mm Hex) Continued			
<b>10541*</b>	10mm-1.50	55mm	5	<b>14444*</b>	12mm-1.75	45mm	10
<b>14437*</b>	10mm-1.50	55mm	10	<b>10549*</b>	12mm-1.75	50mm	5
<b>10542*</b>	10mm-1.50	60mm	5	<b>14445*</b>	12mm-1.75	50mm	10
<b>14438*</b>	10mm-1.50	60mm	10	<b>10550*</b>	12mm-1.75	60mm	5
<b>16714*</b>	10mm-1.50	60mm	25	<b>14446*</b>	12mm-1.75	60mm	10
<b>10543*</b>	10mm-1.50	70mm	5	<b>10551*</b>	12mm-1.75	70mm	5
<b>14439*</b>	10mm-1.50	70mm	10	<b>14447*</b>	12mm-1.75	70mm	10
<b>15515*</b>	10mm-1.50	80mm	10	<b>17403*</b>	12mm-1.75	80mm	10
<b>15516*</b>	10mm-1.50	90mm	10	<b>17404*</b>	12mm-1.75	90mm	10
<b>15517*</b>	10mm-1.50	100mm	10	<b>17405*</b>	12mm-1.75	100mm	5
12mm (19mm Hex)				14mm (22mm Hex)			
<b>10544</b>	12mm-1.75	25mm	5	<b>14590</b>	14mm-2.0	30mm	10
<b>14440</b>	12mm-1.75	25mm	10	<b>14591</b>	14mm-2.0	40mm	10
<b>16715</b>	12mm-1.75	25mm	25	<b>14592</b>	14mm-2.0	50mm	10
<b>10545</b>	12mm-1.75	30mm	5	16mm (24mm Hex)			
<b>14441</b>	12mm-1.75	30mm	10	<b>14595</b>	16mm-2.0	30mm	5
<b>16716</b>	12mm-1.75	30mm	25	<b>14598*</b>	16mm-2.0	60mm	5
<b>10546</b>	12mm-1.75	35mm	5	20mm (30mm Hex)			
<b>14442</b>	12mm-1.75	35mm	10	<b>14602</b>	20mm-2.5	60mm	5
<b>16717</b>	12mm-1.75	35mm	25	*DIN 931 - Not Fully Threaded			
<b>10547</b>	12mm-1.75	40mm	5				
<b>14443</b>	12mm-1.75	40mm	10				
<b>16718</b>	12mm-1.75	40mm	25				
<b>10548*</b>	12mm-1.75	45mm	5				

## J.I.S Small Head Cap Screws

J.I.S. B 1180 • I.S.O. Class 8.8

Heat Treated • Steel • Zinc Plated

J.I.S. fasteners have a smaller hex dimension (across the flats) than DIN or ISO metric fasteners. They fit in those tight spots where the hex of an ISO or DIN fastener is too large. J.I.S. fasteners are OEM equipment on many GM and Japanese import car applications.



Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.	Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
M8-1.25 (12mm Hex)				M12-1.25 (17mm Hex)			
<b>14777</b>	8mm-1.25	16mm	25	<b>16609</b>	12mm-1.25	20mm	10
<b>14778</b>	8mm-1.25	20mm	25	<b>16610</b>	12mm-1.25	25mm	10
<b>14779</b>	8mm-1.25	25mm	25	<b>16611</b>	12mm-1.25	30mm	10
<b>14780</b>	8mm-1.25	30mm	25	<b>16612</b>	12mm-1.25	35mm	10
<b>14781</b>	8mm-1.25	35mm	25	<b>16613</b>	12mm-1.25	40mm	10
<b>14782</b>	8mm-1.25	40mm	25	<b>16614</b>	12mm-1.25	50mm	10
<b>14784</b>	8mm-1.25	50mm	25				
M10-1.25 (14mm Hex)							
<b>14787</b>	10mm-1.25	20mm	25				
<b>14788</b>	10mm-1.25	25mm	25				
<b>14789</b>	10mm-1.25	30mm	25				
<b>14790</b>	10mm-1.25	35mm	15				
<b>14791</b>	10mm-1.25	40mm	15				
<b>14792</b>	10mm-1.25	45mm	15				
<b>14793</b>	10mm-1.25	50mm	15				
<b>14794</b>	10mm-1.25	60mm	10				



**Fine Pitch Metric Hex Head Cap Screws**  
DIN 960 & DIN 961

Fully Threaded  
8.8 Heat Treated Alloy Steel • Black Finish  
Tensile Strength: 116,000 PSI

Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
8mm (13mm Hex)			
11255	8mm-1.00	10mm	10
11257	8mm-1.00	25mm	10
11259	8mm-1.00	40mm	10
14604*	8mm-1.00	50mm	25
10mm (17mm Hex)			
11262	10mm-1.00	30mm	10
11263	10mm-1.00	40mm	10
11264	10mm-1.00	50mm	10
14605	10mm-1.25	20mm	10
11265	10mm-1.25	25mm	10
11266	10mm-1.25	30mm	10
11267	10mm-1.25	35mm	10
11268	10mm-1.25	40mm	10
11269	10mm-1.25	50mm	10
14606*	10mm-1.25	60mm	10
12mm (19mm Hex)			
11270	12mm-1.25	25mm	10
14607	12mm-1.25	30mm	5
11271	12mm-1.25	35mm	5
14608	12mm-1.25	40mm	5
14610*	12mm-1.25	70mm	5
11273	12mm-1.50	20mm	10
11274	12mm-1.50	30mm	10
11275	12mm-1.50	40mm	5
11276	12mm-1.50	50mm	5
14mm (22mm Hex)			
14611	14mm-1.50	30mm	5
14612	14mm-1.50	40mm	5
14613	14mm-1.50	50mm	5
16mm (24mm Hex)			
14616	16mm-1.50	30mm	5
14617	16mm-1.50	40mm	5

\*DIN 931 - Not Fully Threaded



**Metric Low Socket Head Cap Screws**  
DIN 6912

Regular Pitch - Grade 8.8  
Heat Treated Alloy Steel • Plain Finish  
Tensile Strength: 116,000 PSI

Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
10898	5mm-.8	10mm	10



**Metric Hex Socket Head Cap Screw**  
DIN 912

Regular Pitch - Grade 12.9  
Heat Treated Alloy Steel • Plain Finish  
Tensile Strength: 177,000 PSI

Auveco Part No. Unit Package		Diameter & Pitch	Length
10	100		
10845	10872	4mm-.7	12mm
10846	10873	5mm-.8	12mm
10848	10875	5mm-.8	20mm
10851	10878	6mm-1.00	16mm
10853		6mm-1.00	25mm
10854		6mm-1.00	30mm
10855		8mm-1.25	16mm
10858	10885	8mm-1.25	30mm
10859		8mm-1.25	35mm
10861		10mm-1.50	20mm
10863		10mm-1.50	30mm
10864		10mm-1.50	40mm
10865		10mm-1.50	50mm
10866		12mm-1.75	30mm
10868		12mm-1.75	40mm
10870		12mm-1.75	60mm



**Metric Flat Head Socket Cap Screws**  
DIN 7991

Regular Pitch - Grade 10.9  
Heat Treated Alloy Steel • Plain Finish  
Tensile Strength 150,800 PSI

Auveco Part No. Unit Package		Diameter & Pitch	Length
10	100		
10960	10961	6mm-1.00	16mm
10970		8mm-1.25	20mm
10972		8mm-1.25	25mm



**Metric Hex Key**  
Plain Finish

Use with Din 912 & Din 7991

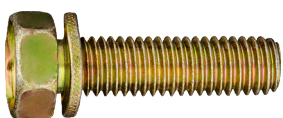
Auveco Part No.	Hex Size	For Screw Size	Unit Pkg.
7965	3mm	4mm	10



## Metric Socket Set Screws - Cup Point DIN 916

Regular Pitch - Grade 12.9  
Heat Treated Alloy Steel • Plain Finish

Auveco Part No.	Diameter & Pitch	Length	Unit Pkg.
<b>11006</b>	5mm-.8	10mm	10
<b>11024</b>	8mm-1.25	20mm	10
<b>11032</b>	10mm-1.50	20mm	10



## Hex Head Sems® Split Wave Washer Body Bolts for Import Cars

Class 9.8 • Zinc & Yellow Dichromate Plated

Auveco Part No.	Size	Hex Size	Washer O.D.	Unit Pkg.
<b>16751</b>	M6-1.0 x 30mm	10mm	11mm	25
<b>16754</b>	M8-1.25 x 30mm	13mm	14mm	25
<b>16755</b>	M8-1.25 x 40mm	13mm	14mm	25



## Hex Head Sems® Split Wave Washer Body Bolts with Flat Washers for Import Cars

*Flat Washer is packed loose in box*

Class 9.8 • Zinc & Yellow Dichromate Plated

Auveco Part No.	Size	Hex Size	Wave Washer O.D.	Flat Washer O.D.	Unit Pkg.
<b>16761</b>	M8-1.25 x 30mm	13mm	14mm	17mm	25
<b>16762</b>	M8-1.25 x 40mm	13mm	14mm	17mm	25



## Torx® Round Washer Head Body Bolts CA Point • Plated

Auveco Part No.	Size	Finish	Washer Head Dia.	Torx Drive	Unit Pkg.
<b>15807</b>	M6-1.0 x 25mm	Zinc	18mm	T-30	50



## Hex Head Sems® Body Bolts for Import Cars

Class 8.8 • Zinc & Yellow Dichromate Plated

Auveco Part No.	Size	Hex Size	Washer O.D.	Unit Pkg.
<b>20434</b>	M6-1.0 x 12mm	10mm	12.5mm	50
<b>18177</b>	M6-1.0 x 16mm	10mm	12.5mm	50
<b>20435</b>	M6-1.0 x 20mm	10mm	12.5mm	50
<b>18187</b>	M8-1.25 x 45mm	12mm	17mm	25

## Metric Hex Flange Serrated Bolts



Serrations under the Head  
Class 10.9  
(Property Class 90)  
Black Phosphate

Auveco Part No.	Size	Hex	Unit Pkg.
<b>16793</b>	M6-1.0 x 16mm	10mm	25
<b>16794</b>	M6-1.0 x 20mm	10mm	25
<b>16795</b>	M8-1.25 x 16mm	13mm	25



## J.I.S. Small Head Hex Flange Bolts

J.I.S. B1189 • I.S.O. Class 10.9 • Zinc Plated  
10mm Bolts are used with Auveco Hex Flange Nut 16470 on Import Car Exhaust Systems

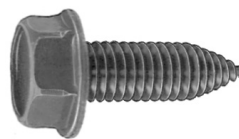
Auveco Part No.	Size	Hex Size	Flange O.D.	Unit Pkg.
<b>17315</b>	M6-1.0 x 12mm	10mm	14mm	50
<b>17316</b>	M6-1.0 x 16mm	10mm	14mm	50
<b>18807</b>	M6-1.0 x 20mm	10mm	14mm	50
<b>21048</b>	M6-1.0 x 25mm	10mm	14mm	25
<b>18808</b>	M6-1.0 x 30mm	10mm	14mm	25
<b>21049</b>	M6-1.0 x 35mm	10mm	14mm	25
<b>18809</b>	M6-1.0 x 40mm	10mm	14mm	25
<b>21050</b>	M6-1.0 x 45mm	10mm	14mm	25
<b>18980</b>	M8-1.25 x 12mm	12mm	17.5mm	25
<b>17387</b>	M8-1.25 x 16mm	12mm	17.5mm	15
<b>17388</b>	M8-1.25 x 20mm	12mm	17.5mm	15
<b>21051</b>	M8-1.25 x 25mm	12mm	17.5mm	15
<b>17389</b>	M8-1.25 x 30mm	12mm	17.5mm	15
<b>21052</b>	M8-1.25 x 35mm	12mm	17.5mm	15
<b>17390</b>	M8-1.25 x 40mm	12mm	17.5mm	15
<b>21053</b>	M8-1.25 x 45mm	12mm	17.5mm	15

<b>17188</b>	M10-1.25 x 16mm	14mm	20mm	10
<b>17189</b>	M10-1.25 x 20mm	14mm	20mm	10
<b>21054</b>	M10-1.25 x 25mm	14mm	20mm	10
<b>17190</b>	M10-1.25 x 30mm	14mm	20mm	10
<b>21055</b>	M10-1.25 x 35mm	14mm	20mm	10
<b>17191</b>	M10-1.25 x 40mm	14mm	20mm	10
<b>21056</b>	M10-1.25 x 45mm	14mm	20mm	10





**Metric Body Bolt  
Specification Chart**

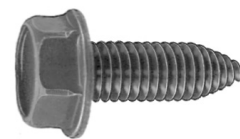


Auveco Part No.	Size	Length	Hex Size	Washer/Head O.D.	Type	Point Type	Finish	Unit Pkg.	Page No.
<b>22164</b>	M4-7	16mm	7mm	13mm	Hex Head Sems®	Dog Pt	Phosphate	50	123
<b>12232</b>	M5-0.8	20mm	8mm	12mm	Hex Head Sems	Dog Pt	Phosphate	50	123
<b>22271</b>	M5-0.8	23mm	8mm	18mm	Phillips Hex Head Sems	Dog Pt	Zinc	50	123
<b>21840</b>	M6-1.0	11mm	10mm	15.5mm	Hex Head Flange	C	Black E-Coat	25	123
<b>20434</b>	M6-1.0	12mm	10mm	12.5mm	Hex Head Sems	C	Zinc & Yellow Dichromate	50	120
<b>22293</b>	M6-1.0	15mm	10mm	18mm	Hex Washer Head Sems		Black Phos.	25	123
<b>18177</b>	M6-1.0	16mm	10mm	12.5mm	Hex Head Sems	C	Zinc & Yellow Dichromate	50	120
<b>15791</b>	M6-1.0	16mm	10mm	17mm	Hex Head Sems	C	Black Fluorocarbon	50	123
<b>12064</b>	M6-1.0	16mm	10mm	18.5mm	Hex Head Sems	C	Zinc & Yellow	50	123
<b>20176</b>	M6-1.0	18.5mm	11mm	19mm	Hex Head Sems	Dog Pt.	Phos.	50	123
<b>18515</b>	M6-1.0	20mm	T-30 Drive	13.5mm	Torx® Washer Head	Dog Pt.	Black Organic	25	123
<b>20435</b>	M6-1.0	20mm	10mm	12.5mm	Hex Head Sems	C	Zinc & Yellow Dichromate	50	120
<b>12324</b>	M6-1.0	20mm	10mm	13mm	Hex Washer Head	CA	Blk Phos.	50	123
<b>16826</b>	M6-1.0	20mm	10mm	13mm	Slotted Hex Washer Head	CA	Zinc	50	124
<b>12322</b>	M6-1.0	20mm	10mm	17mm	Hex Head Sems	C	Phos.	25	124
<b>12693</b>	M6-1.0	20mm	10mm	17mm	Hex Head Sems	CA	Phos.	25	124
<b>12067</b>	M6-1.0	20mm	10mm	17mm	Hex Head Sems	C	Phos.	50	124
<b>13617</b>	M6-1.0	20mm	10mm	24mm	Hex Head Sems	CA	Phos.	50	124
<b>12160</b>	M6-1.0	22mm	8mm	19mm	High Hex Head Sems	Dog Pt	Phos.	25	124
<b>15778</b>	M6-1.0	22.5mm	8mm	19mm	Hex Head Sems	Dog Pt	Zinc	50	124
<b>13715</b>	M6-1.0	25mm	10mm	13mm	Hex Washer Head	CA	Phos.	50	124
<b>15807</b>	M6-1.0	25mm	T-30 Drive	18mm	Torx Round Washer Head	CA	Zinc	50	120
<b>12065</b>	M6-1.0	25mm	10mm	17mm	Hex Head Sems	CA	Phos.	50	124
<b>15788</b>	M6-1.0	25mm	10mm	17mm	Hex Head Sems	CA	Zinc	50	124
<b>19455</b>	M6-1.0	25mm	10mm	19mm	Hex Head Sems	Dog Pt	Phos.	25	125
<b>12066</b>	M6-1.0	25mm	10mm	24mm	Hex Head Sems	CA	Phos	50	125
<b>12323</b>	M6-1.0	25mm	10mm	24mm	Hex Head Sems	CA	Blk Polyseal	25	125
<b>14947</b>	M6-1.0	26mm	T-30 Drive	16mm	Pan Head Torx Sems	Dog Pt	Stainless Steel	25	125
<b>15779</b>	M6-1.0	28mm	8mm	19mm	Hex Head Sems	Dog Pt	Blk Zinc Phos.	50	125
<b>12335</b>	M6-1.0	28mm	8mm	19mm	Hex Head Sems	Dog Pt	Zinc & Yellow	25	125
<b>16893</b>	M6-1.0	28mm	8mm	25mm	Hex Head Sems	Dog Pt	Phos.	25	125
<b>16751</b>	M6-1.0	30mm	10mm	11mm	Hex Head Sems® Split Wave Washer	C	Zinc & Yellow Dichromate	25	120

(Continued on next page)



## Metric Body Bolt Specification Chart



Auveco Part No.	Size	Length	Hex Size	Washer/ Head O.D.	Type	Point Type	Finish	Unit Pkg.	Page No.
<b>22232</b>	M6-1.0	30mm	10mm	18mm	Hex Head Sems	Dog Pt	Black Zinc	25	125
<b>15818</b>	M6-1.0	30mm	10mm	19mm	Hex Head Sems	Dog Pt	Phos.	50	125
<b>20261</b>	M6-1.0	30mm	10mm	20mm	Hex Head Sems	CA	Phos.	25	126
<b>13618</b>	M6-1.0	30mm	10mm	24mm	Hex Head Sems	CA	Phos.	50	126
<b>18416</b>	M6-1.0	35mm	10mm	17mm	Hex Head Sems	CA	Blk Phos.	50	126
<b>11633</b>	M6.3-1.0	20mm	10mm	17mm	Hex Head Sems	CA	Phos.	25	126
<b>11935</b>	M6.3-1.0	25mm	10mm	17mm	Hex Head Sems	CA	Zinc	25	126
<b>11638</b>	M8-1.25	16mm	13mm	18mm	Hex Washer Head with Serrations Under the Head	Dog Pt	Phos	25	126
<b>13704</b>	M8-1.25	20mm	13mm	24mm	Hex Head Sems	CA	Phos	25	126
<b>12336</b>	M8-1.25	25mm	13mm	17mm	Hex Washer Head	CA	Phos.	25	126
<b>15790</b>	M8-1.25	25mm	13mm	17mm	Hex Head Sems	CA	Phos.	50	126
<b>11639</b>	M8-1.25	25mm	13mm	17mm	Hex Washer Head	CA	Phos.	25	126
<b>13613</b>	M8-1.25	25mm	13mm	24mm	Hex Head Sems	CA	Phos.	25	126
<b>16754</b>	M8-1.25	30mm	13mm	14mm	Hex Head Sems Split Wave Washer	C	Zinc & Yellow Dichromate	25	120
<b>16761</b>	M8-1.25	30mm	13mm	14mm & 17mm	Hex Head Sems Split Wave Washer & Flat Washer	C	Zinc & Yellow Dichromate	25	120
<b>12348</b>	M8-1.25	30mm	13mm	17mm	Hex Washer Head	CA	Phos.	25	127
<b>11640</b>	M8-1.25	30mm	13mm	17mm	Hex Washer Head	CA	Zinc Organic	25	127
<b>13614</b>	M8-1.25	30mm	13mm	24mm	Hex Head Sems	CA	Phos.	25	127
<b>15780</b>	M8-1.25	33mm	10mm	22mm	Hex Head Sems	Dog Pt	Phos.	50	127
<b>12343</b>	M8-1.25	35mm	13mm	17mm	Hex Washer Head	CA	Phos.	25	127
<b>13705</b>	M8-1.25	35mm	13mm	24mm	Hex Head Sems	CA	Phos.	25	127
<b>16755</b>	M8-1.25	40mm	13mm	14mm	Hex Head Sems Split Wave Washer	C	Zinc & Yellow Dichromate	25	120
<b>16762</b>	M8-1.25	40mm	13mm	14mm & 17mm	Hex Head Sems Split Wave Washer & Flat Washer	C	Zinc & Yellow Dichromate	25	120
<b>16931</b>	M8-1.25	42mm	10mm	22mm	Hex Head Sems	Dog Pt	Phos.	25	127
<b>18187</b>	M8-1.25	45mm	12mm	17mm	Hex Head Sems	C	Zinc & Yellow Dichromate	25	120
<b>13619</b>	M10-1.50	30mm	15mm	29mm	Hex Head Sems	CA	Phos.	10	127
<b>12327</b>	M10-1.50	33mm	13mm	20mm	Hex Washer Head	Dog Pt	Phos.	25	127
<b>11641</b>	M10-1.50	40mm	15mm	29mm	Hex Head Sems	CA	Phos.	25	127



**22164**  
(GM: 11502618)  
Phosphate

M4-.7 x 16mm  
Hex Head Sems® with Dog Point  
Washer Diameter: 13mm  
Hex: 7mm  
GM

UNIT PACKAGE: 50



**12232**  
(6100539)  
Phosphate

M5-0.8 x 20mm  
Hex Head Sems®  
Thread Cutting Screw with Dog Point  
Outer Diameter Washer: 12mm (1/2")  
Hex: 8mm  
Chrysler

UNIT PACKAGE: 50



**22271**  
(Subaru: 901935002)  
Black Zinc



M5-0.8 x 23mm  
Phillips Hex Head Sems®  
Body Bolt with Dog Point  
Washer Diameter: 18mm  
Hex Size: 8mm  
**Use with Auveco 22175**  
Subaru Forester & Legacy 1995 - On

UNIT PACKAGE: 50



**21840**  
(Toyota: 90105-06037)  
Black E-Coat

M6-1.0 x 11mm  
Hex Head Flange  
Flange Outer Diameter: 15.5mm  
Hex: 10mm  
Luggage Compartment Door & Lock and Radiator Grille  
Toyota & Lexus 2001 - On

UNIT PACKAGE: 25



**22293**  
(Mazda: 9GG600616T)  
Black Phosphate

M6-1.0 x 15mm  
Hex Washer Head Sems®  
Washer Outer Diameter: 18mm  
Hex: 10mm  
Fender Liner  
Mazda 1996 - On

UNIT PACKAGE: 25



**15791**  
(11508930)  
Black Fluorocarbon

M6-1.0 x 16mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

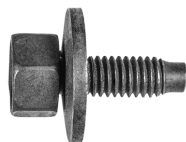
UNIT PACKAGE: 50



**12064**  
(11503812)  
Zinc & Yellow

M6-1.0 x 16mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 18.5mm (47/64")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



**20176**  
(N800510-S100)  
Phosphate

M6-1.0 x 18.5mm  
Hex Head Sems® with Dog Point  
Class 9.8  
Washer Outer Diameter: 19mm (3/4")  
Hex: 11mm  
**Replaces Auveco 15719**  
Ford

UNIT PACKAGE: 50



**18515**  
(21094240)  
Black  
500 Hour Salt Spray

M6-1.0 x 20mm  
Torx® Washer Head with Dog Point &  
Sealant on Threads  
T-30 Drive  
Washer Head Outer Diameter: 13.5  
Front & Rear Door Lock  
GM Saturn

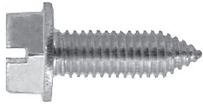
UNIT PACKAGE: 25



**12324**  
(11503800)  
Phosphate

M6-1.0 x 20mm  
Hex Washer Head  
Class 9.8  
Washer Head Outer Diameter: 13mm (1/2")  
Hex: 10mm  
GM

UNIT PACKAGE: 50

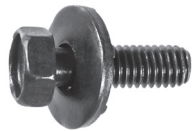


## 16826

(Chry: 34201287;  
AMC: 8934201287)  
Zinc

M6-1.0 x 20mm  
Slotted Hex Washer Head  
License Plate Screw  
Washer Head O.D.: 13mm (1/2")  
Hex: 10mm  
Chrysler, Honda & AMC

UNIT PACKAGE: 50



## 12322

(11503815, 11508023)  
Phosphate

M6-1.0 x 20mm  
Hex Head Sems® with Grounding Teeth  
Class 9.8  
Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 25



## 12693

(11502941, 11506174)  
Phosphate

M6-1.0 x 20mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 25



## 12067

(11504570, 11509816, 11514623)  
Phosphate

M6-1.0 x 20mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 50

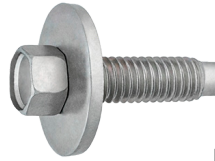


## 13617

(11503941)  
Phosphate

M6-1.0 x 20mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 24mm (15/16")  
Hex: 10mm  
GM

UNIT PACKAGE: 50

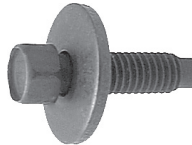


## 15778

(N606676-S36)  
Zinc

M6-1.0 x 22.5mm  
Hex Head Sems® with Dog Point  
Class 9.8  
Washer Outer Diameter: 19mm (3/4")  
Hex: 8mm  
Ford

UNIT PACKAGE: 50



## 12160

(N606676-S2, S100)  
Phosphate

M6-1.0 x 22mm  
High Hex Head Sems® with Dog Point  
Class 9.8  
Washer Outer Diameter: 19mm (3/4")  
Hex: 8mm  
Ford

UNIT PACKAGE: 25



## 13715

(11503958)  
Phosphate

M6-1.0 x 25mm  
Hex Washer Head  
Class 9.8  
Washer Head Outer Diameter: 13mm (1/2")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



## 12065

(11503834, 20351035)  
Phosphate

M6-1.0 x 25mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



## 15788

(11503833)  
Zinc

M6-1.0 x 25mm  
Hex Head Sems®  
Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 50

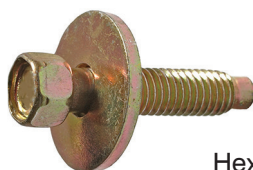


**19455**

(6100567)  
Phosphate

M6-1.0 x 25mm  
Hex Head Sems® with Dog Point  
Class 9.8  
Washer Outer Diameter: 19mm (3/4")  
Hex: 10mm  
Grille, Fender, Hood Prop & Latch  
Chrysler

UNIT PACKAGE: 25



**12335**

(N606677-S36)  
Zinc & Yellow

M6-1.0 x 28mm  
Hex Head Sems® with Dog Point  
Class 9.8  
Washer Outer Diameter: 19mm (3/4")  
Hex: 8mm  
Ford

UNIT PACKAGE: 25



**12066**

(11503982)  
Phosphate

M6-1.0 x 25mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 24mm (15/16")  
Hex: 10mm  
GM

UNIT PACKAGE: 50

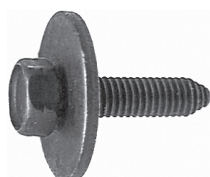


**16893**

(N800947-S, AB-181-GG)  
Phosphate

M6-1.0 x 28mm  
Hex Head Sems® with Dog Point  
Class 9.8  
Washer Outer Diameter: 25mm (1")  
Hex: 8mm  
Ford

UNIT PACKAGE: 25



**12323**

(11504493)  
Black Polyseal

M6-1.0 x 25mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 24mm (15/16")  
Hex: 10mm  
GM

UNIT PACKAGE: 25



**22232**

(Ford: W711390-S900)  
Black Zinc

M6-1.0 x 30mm  
Hex Head Sems  
with Dog Point & Thread Locking Patch  
Washer Outer Diameter: 18mm (23/32")  
Hex: 10mm  
Ford F-150 Trucks with Aluminum Body 2015 - On

UNIT PACKAGE: 25



**14947**

(N801851-S45)  
Stainless Steel

M6-1.0 x 26mm  
Pan Head Internal Torx® Drive Sems®  
T-30 Drive  
Head Diameter: 14mm  
Washer Outer Diameter: 16mm (5/8")  
Truck Mirror Mounting Bracket Bolt  
Ford Trucks

UNIT PACKAGE: 25

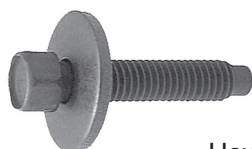


**15818**

(6100568)  
Phosphate

M6-1.0 x 30mm  
Hex Head Sems® with Dog Point  
Class 9.8  
Washer Outer Diameter: 19mm (3/4")  
Hex: 10mm  
Chrysler

UNIT PACKAGE: 50



**15779**

(N606677-S53B)  
Black Zinc Phosphate

M6-1.0 x 28mm  
Hex Head Sems® with Dog Point  
Washer Outer Diameter: 19mm (3/4")  
Hex: 8mm  
Ford

UNIT PACKAGE: 50



**20261**

(10287379)  
Phosphate

M6-1.0 x 30mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 20mm (13/16")  
Hex: 10mm  
GM

UNIT PACKAGE: 25





## 13618

(11503825)  
Phosphate

M6-1.0 x 30mm  
Hex Head Sems®  
Class 9.8

Washer Outer Diameter: 24mm (15/16")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



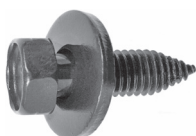
## 18416

(11505044)  
Black Phosphate

M6-1.0 x 35mm  
Hex Head Sems®  
Class 9.8

Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



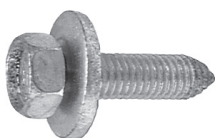
## 11633

(11501105)  
Phosphate

M6.3-1.0 x 20mm  
Hex Head Sems®  
Class 9.8

Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 25



## 11935

(11502790)  
Zinc

M6.3-1.0 x 25mm  
Hex Head Sems®  
Class 9.8

Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 25



## 11638

(362029m 11509589)  
Phosphate

M8-1.25 x 22mm  
Hex Washer Head with Serrations  
under the Head & Dog Point

Washer Head Outer Diameter: 18mm (23/32")  
Hex: 13mm  
GM

UNIT PACKAGE: 25



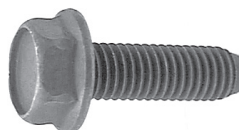
## 13704

Phosphate

M8-1.25 x 20mm  
Hex Head Sems®  
Class 9.8

Washer Outer Diameter: 24mm (15/16")  
Hex: 13mm

UNIT PACKAGE: 25



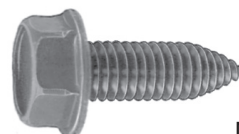
## 11639

(11502605,  
11502624, 11509511)  
Phosphate

M8-1.25 x 25mm  
Hex Washer Head  
Class 9.8

Washer Head O.D.: 17mm (21/32")  
Hex: 13mm  
GM

UNIT PACKAGE: 25



## 12336

(11503632)  
Phosphate

M8-1.25 x 25mm  
Hex Washer Head  
Class 9.8

Washer Head Outer Diameter: 17mm (21/32")  
Hex: 13mm  
GM

UNIT PACKAGE: 25



## 15790

(11505326)  
Phosphate

M8-1.25 x 25mm  
Hex Head Sems®  
Class 9.8

Washer Outer Diameter: 17mm (21/32")  
Hex: 13mm  
GM

UNIT PACKAGE: 50



## 13613

(11503619)  
Phosphate

M8-1.25 x 25mm  
Hex Head Sems®  
Class 9.8

Washer Outer Diameter: 24mm (15/16")  
Hex: 13mm  
GM

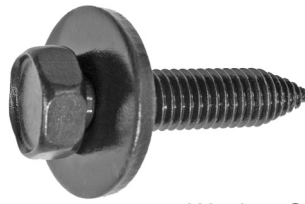
UNIT PACKAGE: 25



**12348**  
(11500971)  
Phosphate

M8-1.25 x 30mm  
Hex Washer Head  
Class 9.8  
Washer Head Outer Diameter: 17mm (21/32")  
Hex: 13mm  
GM

UNIT PACKAGE: 25



**13705**  
(11503668)  
Phosphate

M8-1.25 x 35mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 24mm (15/16")  
Hex: 13mm  
GM

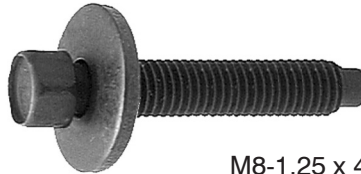
UNIT PACKAGE: 25



**11640**  
(549790, 11500971)  
Zinc Organic

M8-1.25 x 30mm  
Hex Washer Head  
Class 9.8  
Washer Head Outer Diameter: 17mm (21/32")  
Hex: 13mm  
GM

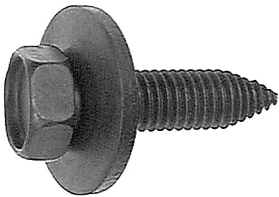
UNIT PACKAGE: 25



**16931**  
(N606692-S2,  
AB-187EH)  
Phosphate

M8-1.25 x 42mm  
Hex Head Sems® with Dog Point  
Class 9.8  
Washer Outer Diameter: 22mm (7/8")  
Hex: 10mm  
Ford

UNIT PACKAGE: 25



**13614**  
(11501188)  
Phosphate

M8-1.25 x 30mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 24mm (15/16")  
Hex: 13mm  
GM

UNIT PACKAGE: 25



**13619**  
Phosphate

M10-1.50 x 30mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 29mm (1-1/8")  
Hex: 15mm

UNIT PACKAGE: 10



**15780**  
(N606690-S2)  
Phosphate

M8-1.25 x 33mm  
Hex Head Sems® with Dog Point  
Class 9.8  
Washer Outer Diameter: 22mm (7/8")  
Hex: 10mm  
Ford

UNIT PACKAGE: 50



**12327**  
(N605920-S2)  
Phosphate

M10-1.50 x 33mm  
Hex Washer Head with Dog Point  
Class 9.8  
Washer Head O.D.: 20mm (13/16")  
Hex: 13mm  
Ford

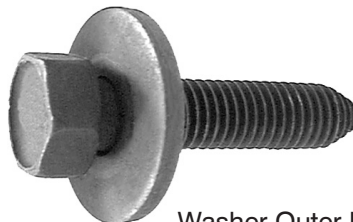
UNIT PACKAGE: 25



**12343**  
(11504982)  
Phosphate

M8-1.25 x 35mm  
Hex Washer Head  
Class 9.8  
Washer Head Outer Diameter: 17mm (21/32")  
Hex: 13mm  
GM

UNIT PACKAGE: 25



**11641**  
(11501193)  
Phosphate

M10-1.50 x 40mm  
Hex Head Sems®  
Class 9.8  
Washer Outer Diameter: 29mm (1-5/32")  
Hex: 15mm  
GM

UNIT PACKAGE: 25

# METRIC ITEMS

# Sec. 7



**13620**

Phosphate

M10-1.50 x 45mm

Hex Head Sems®

Class 9.8

Washer Outer Diameter: 30mm (1-3/16")

Hex: 15mm

UNIT PACKAGE: 10

## Metric Special Tapping Screw Specification Chart

Auveco Part No.	Size	Length	Hex Size	Washer/ Head O.D.	Type	Point Type	Finish	Unit Pkg.	Page No.
<b>12062</b>	M4.2-1.41 (#8)	10mm (13/32")		11mm (7/16")	Phillips Washer Head Pozi-Drive	AB	Black Oxide	100	131
<b>15941</b>	M4.2-1.41 (#8)	12mm (15/32")		9.5mm (3/8")	Phillips Truss Head	AB	Black Oxide	10	131
<b>16596</b>	M4.2-1.41 (#8)	12mm (15/32")		9.5mm (3/8")	Phillips Truss Head	AB	Black Oxide	100	131
<b>12739</b>	M4.2-1.41 (#8)	12mm (15/32")		10mm (25/64")	Phillips Washer Head Pozi-Drive	AB	Chrome	100	131
<b>12059</b>	M4.2-1.41 (#8)	13mm (33/64")		11mm (7/16")	Phillips Washer Head	AB	Zinc	100	131
<b>12061</b>	M4.2-1.41 (#8)	13mm (33/64")		8.5mm (11/32")	Phillips Round Washer Head, Pozi-Drive	AB	Black Oxide	100	131
<b>13712</b>	M4.2-1.41 (#8)	13mm (33/64")		11mm (7/16")	Phillips Washer Head	AB	Black Zinc	50	131
<b>12740</b>	M4.2-1.41 (#8)	13mm (33/64")	7mm	12mm (15/32")	Hex Head Sems	AB	Phosphate	100	131
<b>15721</b>	M4.2-1.41 (#8)	13mm (33/64")	7mm	16mm (5/8")	Hex Head Sems	AB	Phosphate	50	131
<b>18781</b>	M4.2-1.41 (#8)	14mm (9/16")	7mm	8mm (5/16")	Hex Head Sems	AB	Phosphate	50	131
<b>21122</b>	M4.2-1.41 (#8)	14mm (9/16")		11mm (7/16")	Phillips Washer Head Pozi-Drive	Teks®	Chrome	50	131
<b>18817</b>	M4.2-1.41 (#8)	16mm (5/8")		11mm (7/16")	Phillips Round Washer Head, Pozi-Drive	Teks	Black Zinc	100	132
<b>16720</b>	M4.2-1.41 (#8)	16mm (5/8")		9.5mm (3/8")	Phillips Truss Head	AB	Black Oxide	100	132
<b>12741</b>	M4.2-1.41 (#8)	16mm (5/8")	7mm	12mm (15/32")	Hex Head Sems	AB	Phosphate	100	132
<b>18261</b>	M4.2-1.41 (#8)	16mm (5/8")	7mm	12mm (15/32")	Hex Washer Head Sems	Teks	Phosphate	50	132
<b>12060</b>	M4.2-1.41 (#8)	20mm (25/32")		11mm (7/16")	Phillips Washer Head	AB	Black Oxide	100	132
<b>12097</b>	M4.2-1.41 (#8)	20mm (25/32")		12mm (15/32")	Phillips Pan Head Sems®	AB	Chrome	50	132
<b>12738</b>	M4.2-1.41 (#8)	20mm (25/32")	7mm	12mm (15/32")	Hex Washer Head Sems	AB	Phosphate	50	132
<b>12742</b>	M4.2-1.41 (#8)	20mm (25/32")	7mm	12mm (15/32")	Hex Head Sems	AB	Phosphate	100	132
<b>15373</b>	M4.2-1.41 (#8)	20mm (25/32")	7mm	16mm (5/8")	Hex Head Sems	AB	Phosphate	50	132
<b>20271</b>	M4.2-1.41 (#8)	20mm (25/32")		16mm (5/8")	Phillips Pan Head Sems	AB	Phosphate	50	132
<b>20476</b>	M4.2-1.41 (#8)	20mm (25/32")	7mm	17mm (11/16")	Hex Washer Head Sems	Teks	Phosphate	50	132

(Continued on next page)

Auveco Part No.	Size	Length	Hex Size	Washer/ Head O.D.	Type	Point Type	Finish	Unit Pkg.	Page No.
<b>19278</b>	M4.2-1.41 (#8)	20mm (25/32")	7mm	20mm (25/32")	Hex Head Sems	AB	Black Phos.	50	132
<b>15775</b>	M4.2-1.41 (#8)	20mm (25/32")	7mm	12mm (15/32")	Hex Head Sems	Teks®	Phosphate	50	133
<b>22070</b>	M4.2-1.41 (#8)	20mm (25/32")		17mm (11/16")	Torx® Pan Head Sems®	Dog Pt	Black Zinc	50	133
<b>22104</b>	M4.2-1.41	22mm	5.5mm	16mm	Hex Head Sems	AB	Black Zinc	50	133
<b>14053</b>	M4.2-1.41 (#8)	25mm (1")		7mm (9/32")	Torx Oval Head	AB	Black Oxide	50	130
<b>19006</b>	M4.2-1.41 (#8)	25mm (1")		11mm (7/16")	Round Washer Head, Pozi-Drive	Teks	Phosphate	100	133
<b>20382</b>	M4.2-1.41 (#8)	25mm (1")	T-15 Drive	12mm (15/32")	Torx Pan Head Sems	AB	Black Zinc	50	133
<b>22081</b>	M4.2-1.41	25mm		17mm	Pozi-Drive Round Washer Head Sems	AB	Black Zinc	50	133
<b>18336</b>	M4.2-1.41 (#8)	25mm (1")	7mm	12mm (15/32")	Hex Head Sems	AB	Black Phos	100	133
<b>19653</b>	M4.2-1.41 (#8)	30mm (1-3/16")	7mm	17mm (11/16")	Hex Head Sems	AB	Black Phos	15	133
<b>18340</b>	M4.8-1.61 (#10)	15mm (19/32")		14mm (9/16")	Phillips Truss Head	AB	Black Phos	50	133
<b>17459</b>	M4.8-1.61 (#10)	16mm (5/8")		11mm (7/16")	Phillips Truss Head	AB	Black Oxide	100	133
<b>22030</b>	M4.8-1.61 (#10)	16mm (5/8")	8mm	18mm	Hex Head Sems	AB	Black Zinc	50	133
<b>22110</b>	M4.8-1.61	18mm	T-25 Drive	15mm	Torx Truss Head	AB	Black Zinc	25	133
<b>21774</b>	M4.8-1.61 (#10)	20mm (25/32")	8mm	26mm	Hex Head Sems	AB	Black E-Coat	25	134
<b>20259</b>	M4.8-1.61 (#10)	19mm (3/4")		16mm (5/8")	Phillips Truss Head Sems	AB	Black E Coat	25	134
<b>16589</b>	M4.8-1.61 (#10)	19mm (3/4")	8mm	15mm (19/32")	Hex Head Sems	AB	Zinc & Yellow Dichromate	50	134
<b>21865</b>	M4.8-1.61 (#10)	32mm (1-1/4")	8mm	19mm (3/4")	Hex Head Sems	AB	Phosphate	50	134
<b>21746</b>	M5-1.59	11mm		11mm	Phillips Truss Head	AB	Black Oxide	50	134
<b>21747</b>	M5-1.59	11mm		12mm	Phillips Round Washer Head	AB	Black Oxide	50	134
<b>19251</b>	M5-1.59	16mm	8mm	16mm	Phillips Hex Head Sems	A	Black Zinc	50	134
<b>22294</b>	M5-1.81	16mm	8mm	16mm	Phillips Hex Head Sems	B	Black Phos.	25	134
<b>22203</b>	M5-1.81	20mm		13mm	Phillips Flat Head	AB	Black Phos.	100	134
<b>21841</b>	M5.2-2.0 (#12)	20mm (25/32")	8mm	12mm (1/2")	Phillips Hex Head Sems®	AB	Black E-Coat	25	134
<b>21839</b>	M5.2-2.0 (#12)	21mm (13/16")	10mm	14mm (9/16")	Phillips Hex Head Sems	AB	Zinc	25	134
<b>22111</b>	M5-2.12 (#12)	19mm (3/4")	T-25 Drive	14mm	Torx Truss Head	AB	Black Zinc	25	134
<b>20455</b>	M5 (#12)	20mm (25/32")		14mm (9/16")	Phillips Truss Head	AB	Black Phos	50	135
<b>21541</b>	M5.5 (#12)	20mm (25/32")	T-20 Drive	15mm (19/32")	Torx® Truss Head	AB	Black Zinc	25	135
<b>22292</b>	M5.5-1.81 (#12)	16mm (5/8")		13mm (33/64")	Phillips Truss Head		Black Phos.	25	135
<b>17461</b>	M5.5-1.81 (#12)	18mm (45/64")	8mm	15mm (19/32")	Hex Head Sems	AB	Zinc & Yellow Dichromate	50	135
<b>21744</b>	M6-1.81	20mm	10mm	13mm	Phillips Hex Head Sems	AB	Black E-Coat	25	135

(Continued on next page)

Auveco Part No.	Size	Length	Hex Size	Washer/ Head O.D.	Type	Point Type	Finish	Unit Pkg.	Page No.
19170	M6.3-1.81 (#14)	16mm (5/8")		15mm (19/32")	Phillips Truss Head	AB	Black Phos.	50	135
15776	M6.3-1.81 (#14)	16mm (5/8")	8mm	16mm (5/8")	Hex Head Sems	AB	Phosphate	50	135
12057	M6.3-1.81 (#14)	16mm (5/8")	10mm	17mm (11/16")	Hex Head Sems	AB	Phosphate	50	135
22106	M6.3-2.5	18mm	10mm	14mm	Phillips Hex Head Sems	AB	Zinc	25	136
15962	M6.3-1.81 (#14)	18mm (23/32")	10mm	22mm (7/8")	Hex Head Sems	AB	Zinc & Yellow Dichromate	25	135
13019	M6.3-1.81 (#14)	19mm (3/4")	8mm	11.5mm (29/64")	Hex Washer Head	AB	Phosphate	50	135
20556	M6.3-1.81 (#14)	20mm (25/32")	10mm	16mm (5/8")	Phillips Hex Head Sems	AB	Black Zinc	50	135
12351	M6.3-1.81 (#14)	20mm (25/32")	10mm	17mm (11/16")	Hex Washer Head Sems	AB	Black Phos.	50	136
16828	M6.3-1.81 (#14)	20mm (25/32")	10mm	18mm (45/64")	Hex Head Sems	AB	Zinc & Yellow Dichromate	25	136
20557	M6.3-1.81 (#14)	20mm (25/32")	10mm	20mm (25/32")	Phillips Hex Head Sems	AB	Black Zinc	50	136
21838	M6.3-2.5 (#14)	24mm (15/16")	10mm	16mm (5/8")	Phillips Hex Head Sems	AB	Zinc	25	136
12339	M6.3-1.81 (#14)	25mm (1")	10mm	17mm (11/16")	Hex Head Sems	AB	Phosphate	50	136
12354	M6.3-1.81 (#14)	30mm (1-3/16")	10mm	17mm (11/16")	Hex Head Sems	AB	Phosphate	50	136
12068	M6.3-1.81 (#14)	30mm (1-3/16")	10mm	24mm (15/16")	Hex Head Sems	AB	Phosphate	50	136
22295	M6.5-1.81	18mm		16mm	Phillips Truss Head		Black Phos.	25	136
22296	M6.5-1.81	25mm		16mm	Phillips Truss Head		Black Phos.	25	136
21837	M6.5-2.5	19mm	10mm	20mm	Phillips Hex Head Sems	AB	Black E-Coat	25	136
19417	M7.5	35mm (1-3/8")	#3 Sq. Drive	22mm (7/8")	Nylon Square Drive Truss Head	AB	Black Nylon	15	137
12350	M8-2.12 (5/16"-12)	20mm (25/32")	13mm	16mm (5/8")	Hex Washer Head	AB	Phosphate	25	137
21517	M9.5	46mm (1-13/16")	#3 Sq. Drive	22mm (7/8")	Nylon Square Drive Truss Head	AB	Black Nylon	25	137
20970	M14	34mm (1-11/32")	#3 Sq. Drive	22mm (7/8")	Nylon Square Drive Truss Head	AB	Black Nylon	25	137

## Metric Torx® Head Tapping Screws



300 Series Stainless Steel

Auveco Part No.	Size	Head Style	GM Number	Finish	Unit Pkg.
14053	M4.2-1.41 x 25mm	M7 Oval	11505182	Black Ox	50





**Metric Torx® Insert Bits  
for Torx Screws  
1" Shank**

Auveco Part No.	Bit Size	For Screw Size	Unit Pkg.
12472	T-10	No. 4	1
11949	T-15	No. 6, M4.2	1
11950	T-20	No. 8, M4.2	1
12103	T-25	No. 10	1
14913	T-27	No. 12, 1/4"	1
12104	T-30	1/4", M6	1
12105	T-40	5/16", M8	1
14916*	T-55	1/2", 9/16", 5/8"	1

\* 1/4" Shank



**12062**  
(11501903)  
Black Oxide

M4.2-1.41 x 10mm (#8 x 13/32")  
Phillips Washer Head  
Pozi-Drive  
Washer Head Outer Diameter: 11mm (7/16")  
GM

UNIT PACKAGE: 100



**15941**  
Black Oxide

M4.2-1.41 x 12mm (#8 x 15/32")  
Phillips Truss Head  
Head Diameter: 9.5mm (3/8")  
Japanese Imports

UNIT PACKAGE: 10

**16596**

Same as 15941 except for unit package quantity

UNIT PACKAGE: 100



**12059**  
(11501883)  
Zinc

M4.2-1.41 x 13mm (#8 x 33/64")  
Phillips Washer Head  
Pozi-Drive  
Washer Head Outer Diameter: 11mm (7/16")  
GM

UNIT PACKAGE: 100



**12061**  
(11501896)  
Black Oxide

M4.2-1.41 x 13mm (#8 x 33/64")  
Phillips Round Washer Head  
Pozi-Drive  
Washer Head Outer Diameter: 8.5mm (11/32")  
GM

UNIT PACKAGE: 100



**12739**  
(11501794)  
Chrome

M4.2-1.41 x 12mm (#8 x 15/32")  
Phillips Washer Head  
Pozi-Drive  
Washer Head Outer Diameter: 10mm (25/64")  
GM

UNIT PACKAGE: 100



**13712**  
(11505104)  
Black Zinc

M4.2-1.41 x 13mm (#8 x 33/64")  
Phillips Washer Head  
Washer Head Outer Diameter: 11mm (7/16")  
GM

UNIT PACKAGE: 50



**12740**  
(11503394)  
Phosphate

M4.2-1.41 x 13mm (#8 x 33/64")  
Hex Head Sems®  
Washer Outer Diameter: 12mm (15/32")  
Hex: 7mm  
GM

UNIT PACKAGE: 100



**15721**  
(11504010)  
Phosphate

M4.2-1.41 x 13mm (#8 x 19/32")  
Indented Hex Head Sems®  
Washer Outer Diameter: 16mm (5/8")  
Hex: 7mm  
GM

UNIT PACKAGE: 50



**21122**  
Chrome

M4.2-1.41 x 14mm (#8 x 9/16")  
Phillips Pozi Drive  
Washer Head TekS®  
Washer Head Outer Diameter: 11mm (7/16")

UNIT PACKAGE: 50



**18781**  
(11515566)  
Phosphate

M4.2-1.41 x 14mm (#8 x 9/16")  
Hex Head Sems®  
Washer Outer Diameter: 8mm (5/16")  
Hex: 7mm  
GM

UNIT PACKAGE: 50



**18817**  
(1746408)  
Black Zinc

M4.2-1.41 x 16mm (#8 x 41/64")  
Phillips Round Washer Head with  
Serrations under the Head  
Pozi-Drive with Teks® Point  
Washer Head Outer Diameter: 11mm (7/16")  
Moulding, Trim & General Purpose  
GM

UNIT PACKAGE: 100



**16720**  
Black Oxide

M4.2-1.41 x 16mm (#8 x 5/8")  
Phillips Truss Head  
Head Diameter: 9.5mm (3/8")  
Honda

UNIT PACKAGE: 100



**12741**  
(11503395)  
Phosphate

M4.2-1.41 x 16mm (#8 x 5/8")  
Hex Head Sems®  
Washer Outer Diameter: 12mm (15/32")  
Hex: 7mm  
GM

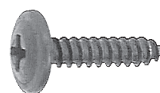
UNIT PACKAGE: 100



**18261**  
(11503578, 11503785)  
Phosphate

M4.2-1.41 x 16mm (#8 x 5/8")  
Hex Washer Head Sems® with Teks® Point  
Washer Outer Diameter: 12mm (1/2")  
Hex: 7mm  
GM

UNIT PACKAGE: 50



**12060**  
(11501884)  
Black Oxide

M4.2-1.41 x 20mm (#8 x 25/32")  
Phillips Washer Head  
Washer Head Outer Diameter: 11mm (7/16")  
GM

UNIT PACKAGE: 100



**12097**  
(9420052, 11502483, 11503503)  
Chrome

M4.2-1.41 x 20mm (#8 x 25/32")  
Phillips Pan Head Sems®  
Pozi-Drive  
Washer Outer Diameter: 12mm (1/2")  
GM

UNIT PACKAGE: 50



**12738**  
(11504056, 11513801)  
Phosphate

M4.2-1.41 x 20mm (#8 x 25/32")  
Hex Washer Head Sems®  
Washer Outer Diameter: 12mm (1/2")  
Hex: 7mm  
Radiator & Grille  
GM

UNIT PACKAGE: 50



**12742**  
(11503396, 11503483)  
Phosphate

M4.2-1.41 x 20mm (#8 x 25/32")  
Hex Head Sems®  
Washer Outer Diameter: 12mm (1/2")  
Hex: 7mm  
Front End & Air Conditioner  
GM

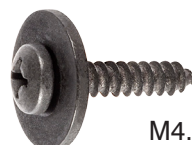
UNIT PACKAGE: 100



**15373**  
(11503892, 11500434)  
Phosphate

M4.2-1.41 x 20mm (#8 x 25/32")  
Hex Head Sems®  
Washer Outer Diameter: 16mm (5/8")  
Hex: 7mm  
GM

UNIT PACKAGE: 50



**20271**  
(N801603-S2)  
Phosphate

M4.2-1.41 x 20mm (#8 x 25/32")  
Phillips Pan Head Sems®  
Washer Outer Diameter: 16mm (5/8")  
Ford

UNIT PACKAGE: 50



**20476**  
Phosphate

M4.2-1.41 x 20mm (#8 x 25/32")  
Hex Washer Head Sems® Teks®  
Washer Outer Diameter: 17mm (11/16")  
Hex: 7mm  
General Purpose

UNIT PACKAGE: 50



**19278**  
(GM: 14090382; Chry: 6506161-AA)  
Black Phosphate

M4.2-1.41 x 20mm (#8 x 25/32")  
Hex Head Sems®  
Washer Outer Diameter: 20mm  
Hex: 7mm  
GM

UNIT PACKAGE: 50



**15775**  
Phosphate

M4.2-1.41 x 20mm (#8 x 25/32")  
Hex Head Sems® with Teks® Point  
Washer Outer Diameter: 12mm (1/2")  
Hex: 7mm

UNIT PACKAGE: 50



**22070**  
(GM: 11570637)  
Black Zinc

M4.2-1.41 x 20mm (#8 x 25/32")  
Torx® Pan Head Sems®  
Tapping Screw with Dog Point  
T15 Drive  
Washer Outer Diameter: 17mm (11/16")  
GM 2007 - On

UNIT PACKAGE: 50



**22104**  
(Ford: N801169-S900)  
Black Zinc

M4.2-1.41 x 22mm  
Hex Head Sems® Tapping Screw  
Hex Size: 5.5mm  
Washer Diameter: 16mm  
Front Bumper, Exterior Trim & Front Fender  
Ford & Lincoln 2010 - 1997

UNIT PACKAGE: 50



**19006**  
Phosphate

M4.2-1.41 x 25mm (#8 x 1")  
Round Washer Head  
Pozi-Drive with Teks® Point  
Washer Head Outer Diameter: 11mm (7/16")  
General Purpose

UNIT PACKAGE: 100



**20382**  
(Not Available from O.E.M.)  
Black Zinc

M4.2-1.41 x 25mm (#8 x 1")  
Torx® Pan Head Sems®  
T-15 Drive  
Washer Outer Diameter: 12mm (1/2")

UNIT PACKAGE: 50



**22081**  
(GM: 11609762)  
Black Zinc

M4.2-1.41 x 25mm  
Pozi-Drive Round Washer  
Head Sems® Tapping Screw  
Washer Diameter: 17mm  
Chevrolet Equinox, GMC Acadia & Terrain  
and Saturn Outlook 2007 - On

UNIT PACKAGE: 50



**18336**  
Black Phosphate

M4.2-1.41 x 25mm (#8 x 1")  
Hex Head Sems®  
Washer Outer Diameter: 12mm (1/2")  
Hex: 7mm

UNIT PACKAGE: 100



**19653**  
(N811534-S61)  
Black Phosphate

M4.2-1.41 x 30mm (#8 x 1-3/16")  
Hex Head Sems®  
Washer Outer Diameter: 17mm (11/16")  
Hex: 7mm  
Ford

UNIT PACKAGE: 15



**18340**  
Black Phosphate

M4.8-1.61 x 15mm (#10 x 19/32")  
Phillips Truss Head  
Head Outer Diameter: 14mm (9/16")  
Nissan Bumpers

UNIT PACKAGE: 50



**17459**  
Black Oxide

M4.8-1.61 x 16mm (#10 x 5/8")  
Phillips Truss Head  
Head Diameter: 11mm (7/16")  
Imports

UNIT PACKAGE: 100



**22030**  
(BMW: 07-14-7-129-160)  
Black Zinc

M4.8-1.61 x 16mm (#10 x 5/8")  
Hex Head Sems®  
Washer Outer Diameter: 18mm  
Hex: 8mm  
BMW 2013 - 1999

UNIT PACKAGE: 50



**22110**  
(VW: N90775801,  
BMW: 07146963883)  
Black Zinc

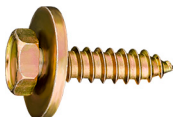
M4.8-1.61 x 18mm  
Torx® Truss Head Tapping Screw  
T25 Drive  
Head Diameter: 15mm  
Audi & VW 1998 - On  
BMW 5, 6 & 7 Series 2011 - 00

UNIT PACKAGE: 25



**20259**  
 (90114-SZ3-000, 90114-SE0-000)  
 Black E-Coat  
 M4.8-1.61 x 19mm (#10 x 3/4")  
 Phillips Truss Head Sems®  
 Washer Outer Diameter: 16mm (5/8")  
 Splash Shield & General Purpose  
 Honda 1986 - On

UNIT PACKAGE: 25



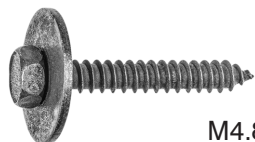
**16589**  
 Zinc & Yellow Dichromate  
 #10 x 3/4 (19mm)  
 Indented Hex Head Sems®  
 Washer Outer Diameter: 19/32"  
 Hex: 5/16" (8mm)  
 Honda, Nissan, Toyota

UNIT PACKAGE: 50



**21774**  
 (Mercedes-Benz: 201-990-05-36)  
 Black E-Coat  
 M4.8-1.61 x 20mm (#10 x 25/32")  
 Hex Head Sems®  
 Washer Outer Diameter: 26mm  
 Hex: 8mm  
 Front Bumper & Moulding Strip  
 Mercedes-Benz 2014 - 1993

UNIT PACKAGE: 25



**21865**  
 (Chrysler: 6509539-AA)  
 Phosphate  
 M4.8-1.61 x 32mm (#10 x 1-1/4")  
 Hex Head Sems® Tapping Screw  
 Washer Outer Diameter: 19mm (3/4")  
 Hex: 8mm  
 Chrysler Town & Country  
 and Dodge Ram 2014 - 09

UNIT PACKAGE: 50



**21746**  
 (Mitsubishi: MF453091)  
 Black Oxide  
 M5-1.59 x 11mm  
 Phillips Truss Head  
 Head Outer Diameter: 11mm  
 Interior Trim  
 Mitsubishi Galant 2008 - 2004

UNIT PACKAGE: 50



**21747**  
 Black Oxide  
 M5-1.59 x 11mm  
 Phillips Round Washer Head  
 Washer Head Outer Diameter: 12mm  
 Chrysler & Imports

UNIT PACKAGE: 50



**19251**  
 Black Zinc  
 M5-1.59 x 16mm  
 Phillips Hex Head Sems®  
 Washer Outer Diameter: 16mm  
 Hex: 8mm

UNIT PACKAGE: 50



**22294**  
 (Mazda: 9CF600516B)  
 Black Phosphate  
 M5-1.81 x 16mm  
 Phillips Hex Head Sems®  
 Washer Outer Diameter: 16mm  
 Hex: 8mm  
 Mazda 2, 3, 5, 6, 626, 929, CX-5, CX-7, CX-9, Miata,  
 Millenia, MPV, Mx-3, Protégé, RX-7 & RX-8 2014 - 1992

UNIT PACKAGE: 25



**22203**  
 (Honda: 90103-SDA-A00)  
 Black Phosphate  
 M5-1.81 x 20mm  
 Phillips Flat Head  
 Head Diameter: 13mm  
 Front & Rear Bumper  
 Honda Civic, Pilot & Ridgeline 2006 - On

UNIT PACKAGE: 100



**21841**  
 (Toyota: 75392-42030)  
 Black E-Coat  
 M5.2-2.0 x 20mm (#12 x 25/32")  
 Phillips Hex Head Sems®  
 Washer Outer Diameter: 12mm (1/2")  
 Hex: 8mm  
 Front Bumper Moulding  
 Toyota & Lexus 2010 - On

UNIT PACKAGE: 25



**21839**  
 (Toyota: 90159-A0001;  
 90159-50316)  
 Zinc  
 M5.2-2.0 x 21mm (#12 x 13/16")  
 Phillips Hex Head Sems®  
 Washer Outer Diameter: 14mm (9/16")  
 Hex: 10mm  
 Front Bumper, Bumper Stay & Radiator Grille  
 Toyota & Lexus 2000 - On

UNIT PACKAGE: 25



**22111**  
 (VW: N90892001, N90775001)  
 Black Zinc  
 M5-2.12 x 19mm (#12 x 3/4")  
 Torx® Truss Head Tapping Screw  
 T25 Drive  
 Head Diameter: 14mm  
 Audi, Porsche & VW 2014 - 07

UNIT PACKAGE: 25





**20455**

Black Phosphate

M5-2.12 x 20mm (#12 x 25/32")  
Phillips Truss Head  
Head Outer Diameter: 14mm  
Imports

UNIT PACKAGE: 50



**19170**

Black Phosphate

M6.3-1.81 x 16mm (#14 x 5/8")  
Phillips Truss Head  
Head Outer Diameter: 15mm (19/32")  
Japanese Imports

UNIT PACKAGE: 50



**22292**

(Nissan: 01454-N5061)  
Black Phosphate

M5.5-1.81 x 16mm (#12 x 5/8")  
Phillips Truss Head  
Head Outer Diameter: 13mm  
Fender Liner

Nissan Cube, Murano, Pathfinder, Quest,  
Rogue, Sentra & Versa 2014 - On

UNIT PACKAGE: 25

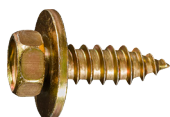


**15776**

(N800312-S2)  
Phosphate

M6.3-1.81 x 16mm (#14 x 5/8")  
Hex Head Sems®  
Washer Outer Diameter: 16mm (5/8")  
Hex: 8mm  
Ford

UNIT PACKAGE: 50



**17461**

Zinc & Yellow Dichromate

M5.5-1.81 x 18mm (#12 x 45/64")  
Hex Head Sems®  
Washer Outer Diameter: 15mm (19/32")  
Hex: 8mm  
Imports

UNIT PACKAGE: 50



**12057**

(11500994)  
Phosphate

M6.3-1.81 x 16mm (#14 x 5/8")  
Hex Head Sems®  
Washer Outer Diameter: 17mm (11/16")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



**21541**

(13144822)  
Black Zinc

M5.5 x 20mm (#12 x 25/32")  
Torx® Truss Head  
T-20 Drive  
Head Outer Diameter: 15mm (19/32")

**Use with Auveco 21540**

GM 2011 - On  
Saab 2003 - On

UNIT PACKAGE: 25



**15962**

Zinc & Yellow Dichromate

M6.3-1.81 x 18mm (#14 x 23/32")  
Hex Head Sems®  
Washer Outer Diameter: 22mm (7/8")  
Hex: 10mm  
Honda, Nissan, Toyota

UNIT PACKAGE: 25



**13019**

(N610959-S2)  
Phosphate

M6.3-1.81 x 19mm (#14 x 3/4")  
Hex Washer Head  
Washer Outer Diameter: 11.5mm (29/64")  
Hex: 8mm  
Ford

UNIT PACKAGE: 50



**21744**

(Mitsubishi: MS452348)  
Black E-Coat

M6-1.81 x 20mm  
Phillips Hex Head Sems®  
Washer Outer Diameter: 13mm (1/2")  
Hex: 10mm  
Bumper, Exterior Trim,  
Fender Shield and Quarter Panel  
Mitsubishi Diamante, Eclipse, Galant, Lancer,  
Mirage, Montero & 3000GT 2012 - 1991

UNIT PACKAGE: 25



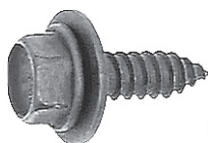
**20556**

Black Zinc

M6.3-1.81 x 20mm (#14 x 25/32")  
Phillips Hex Head Sems®  
Washer Outer Diameter: 16mm (5/8")  
Hex: 10mm  
Imports

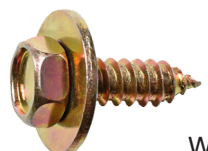
UNIT PACKAGE: 50





**12351**  
(11505022)  
Black Phosphate  
M6.3-1.81 x 20mm (#14 x 25/32")  
Hex Washer Head Sems®  
Washer Outer Diameter: 17mm (11/16")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



**16828**  
Zinc & Yellow Dichromate  
M6.3-1.81 x 20mm (#14 x 25/32")  
Hex Head Sems®  
Washer Outer Diameter: 18mm (45/64")  
Hex: 10mm  
Honda, Nissan, & Toyota

UNIT PACKAGE: 25



**20557**  
Black Zinc  
M6.3-1.81 x 20mm (#14 x 25/32")  
Phillips Hex Head Sems®  
Washer Outer Diameter: 20mm (25/32")  
Hex: 10mm  
Imports

UNIT PACKAGE: 50



**12339**  
(11500996, 11505023)  
Phosphate  
M6.3-1.81 x 25mm (#14 x 1")  
Hex Head Sems®  
Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



**12354**  
(11500997)  
Phosphate  
M6.3-1.81 x 30mm (#14 x 1-3/16")  
Hex Head Sems®  
Washer Outer Diameter: 17mm (21/32")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



**12068**  
(11504981)  
Phosphate  
M6.3-1.81 x 30mm (#14 x 1-3/16")  
Hex Head Sems®  
Washer Outer Diameter: 24mm (15/16")  
Hex: 10mm  
GM

UNIT PACKAGE: 50



**22106**  
(Toyota: 90159-60303)  
Zinc  
M6.3-2.5 x 18mm  
Phillips Hex Head Sems® Tapping Screw  
Washer Outer Diameter: 14mm  
Hex: 10mm  
Toyota & Scion 1993 - On

UNIT PACKAGE: 25



**21838**  
(Toyota: 90159-60488)  
Zinc  
M6.3-2.5 x 24mm (#14 x 15/16")  
Phillips Hex Head Sems®  
Washer Outer Diameter: 16mm (5/8")  
Hex: 10mm  
Front Bumper, Bumper Stay, Hood and Front Fender  
Lexus CT200, ES350, HS250, IS & SC430,  
Scion and Toyota 1995 - On

UNIT PACKAGE: 25



**22295**  
(Hyundai: 12493-06207B)  
Black Phosphate  
M6.5-1.81 x 18mm  
Phillips Truss Head  
Head Outer Diameter: 16mm  
Fender Liner  
Hyundai Accent, Azera, Elantra, Entourage, Genesis,  
I30, Santa Fe, Sonata, Tiburon, Tucson, Veloster &  
Veracruz 2013 - 2005

UNIT PACKAGE: 25



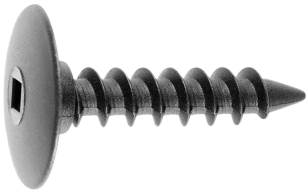
**22296**  
(Hyundai: 92155-22000;  
11254-06206)  
Black Phosphate  
M6.5-1.81 x 25mm  
Phillips Truss Head  
Head Outer Diameter: 16mm  
Headlamp Assembly Mounting Screw  
Hyundai 2000 - On

UNIT PACKAGE: 25



**21837**  
(Toyota: 90159-60525)  
Black E-Coat  
M6.5-2.5 x 19mm (#14 x 3/4")  
Phillips Hex Head Sems®  
Washer Outer Diameter: 20mm (25/32")  
Hex: 10mm  
Floor Pan & Lower Back Panel Moulding, Rear Bumper  
Stay, Suspension Cross Member and Under Cover  
Toyota 1998 - On

UNIT PACKAGE: 25



**19417**  
(Chry: 6503819, 6503401;  
GM: 25631448)  
Black Nylon

M7.5 x 35mm  
Square Drive Truss Head  
Head Diameter: 22mm  
Shoulder Diameter: 9mm  
Foam to Bumper Fascia  
Chrysler 1993-On  
GM 1997 - On

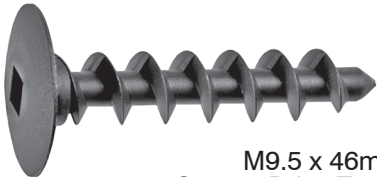
UNIT PACKAGE: 15



**12350**  
(11500086)  
Phosphate

M8-2.12 x 20mm (5/16"-12 x 25/32")  
Hex Washer Head  
Washer Head Outer Diameter: 16mm (5/8")  
Hex: 13mm  
GM

UNIT PACKAGE: 25



**21517**  
(25705182)  
Black Nylon

M9.5 x 46mm  
Square Drive Truss Head  
Head Diameter: 22mm  
GM

UNIT PACKAGE: 25



**20970**  
(Not Available from O.E.M.)  
Black Nylon

M14 x 34mm  
Bumper and Door  
Insulator Nylon Screw  
No. 3 Square Drive  
Head Outer Diameter: 22mm  
Fits into 12mm Hole  
GM, Ford & Chrysler 2005 - On

UNIT PACKAGE: 25



**16986**  
(14003784)  
Zinc

M8-1.25 x 25mm  
Stainless Steel Capped  
Pan Head without Nuts  
Head Diameter: 19mm  
Shoulder Length: 3mm  
GM

UNIT PACKAGE: 25



**11404**  
(N14-4003)  
Plain

M8-1.25 x 35mm  
Class 4.8  
Volkswagen Intake Manifold

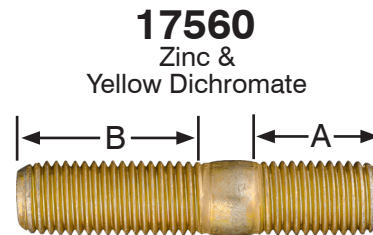
UNIT PACKAGE: 25



**17559**  
Zinc &  
Yellow Dichromate

M10-1.25 x 42mm  
Class 8.8  
Exhaust Systems  
Honda, Nissan & Toyota

UNIT PACKAGE: 10



**17560**  
Zinc &  
Yellow Dichromate

M10-1.25 x 48mm  
Dim. A: 15mm Dim. B: 25mm  
Class 8.8  
Exhaust Systems  
Honda, Nissan & Toyota

UNIT PACKAGE: 10

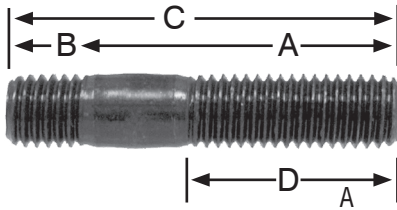


**17596**  
Zinc &  
Yellow Dichromate

M12-1.25 x 50mm  
Class 8.8  
Catalytic Converter  
Mazda

UNIT PACKAGE: 5

# METRIC ITEMS



## Cylinder Head and Manifold Metric Studs Grade 8 Medium Carbon Heat Treated Alloy Steel Regular Pitch

Auveco Part No.	Diameter & Length	B Diameter & Length	C Overall Length	D Length	Unit Pkg.
11973	6mm-1.00 x 20mm	6mm-1.00 x 7.5mm	27.5mm	18mm	10
11974	6mm-1.00 x 25mm	6mm-1.00 x 7.5mm	32.5mm	18mm	10
11980	8mm-1.25 x 20mm	8mm-1.25 x 10mm	30.0mm	16mm	10
11981	8mm-1.25 x 25mm	8mm-1.25 x 10mm	35.0mm	22mm	10
11982	8mm-1.25 x 30mm	8mm-1.25 x 10mm	40.0mm	22mm	10
11983	8mm-1.25 x 35mm	8mm-1.25 x 10mm	45.0mm	22mm	10
11984	8mm-1.25 x 40mm	8mm-1.25 x 10mm	50.0mm	22mm	10
11987	8mm-1.25 x 55mm	8mm-1.25 x 10mm	65.0mm	22mm	10
11989	10mm-1.50 x 30mm	10mm-1.50 x 12mm	42.0mm	18mm	10
11990	10mm-1.50 x 35mm	10mm-1.50 x 12mm	47.0mm	26mm	10
11991	10mm-1.50 x 40mm	10mm-1.50 x 12mm	52.0mm	26mm	10
11993	10mm-1.50 x 50mm	10mm-1.50 x 12mm	62.0mm	26mm	10
11995	10mm-1.50 x 65mm	10mm-1.50 x 12mm	77.0mm	26mm	5
11998	12mm-1.75 x 30mm	12mm-1.75 x 15mm	45.0mm	25mm	5



### Regular Pitch Metric Hex Nuts DIN 934 Class 8 • Steel • Zinc Plated Tensile Strength: 116,000 Max.

Auveco Part No.	Size	Pitch (mm)	Hex Width	Unit Pkg.
10569	4mm	.70	7mm	25
14448	4mm	.70	7mm	50
10570	5mm	.80	8mm	25
14449	5mm	.80	8mm	50
10571	6mm	1.00	10mm	25
14450	6mm	1.00	10mm	100
10572	7mm	1.00	11mm	25
14451	7mm	1.00	11mm	50
10573	8mm	1.25	13mm	25
14452	8mm	1.25	13mm	100
10575	10mm	1.50	17mm	10
14454	10mm	1.50	17mm	50
10576	12mm	1.75	19mm	10
14455	12mm	1.75	19mm	25
14625	14mm	2.00	22mm	25
14626	16mm	2.00	24mm	25



### J.I.S. Small Hex Nuts J.I.S. B1181 • I.S.O. Class 8 Steel • Heat Treated Zinc Plated

Auveco Part No.	Size	Pitch (mm)	Hex Width	Unit Pkg.
14796	8mm	1.25	12mm	25
17391	8mm	1.25	12mm	100
14797	10mm	1.25	14mm	15
17392	10mm	1.25	14mm	50
16617	12mm	1.25	17mm	25



### Fine Pitch Metric Hex Nuts DIN 934 Class 8 • Steel • Zinc Plated Tensile Strength: 116,000 Max.

Auveco Part No.	Size	Pitch (mm)	Hex Width	Unit Pkg.
10574	8mm	1.00	13mm	25
14453	8mm	1.00	13mm	50
11277	10mm	1.00	17mm	10
14456	10mm	1.00	17mm	25
11278	10mm	1.25	17mm	10
14457	10mm	1.25	17mm	25
11279	12mm	1.25	19mm	10
14458	12mm	1.25	19mm	25
11280	12mm	1.50	19mm	10
14459	12mm	1.50	19mm	25
21426	14mm	1.50	22mm	10
14629	16mm	1.50	24mm	25



### Metric Nylon Insert Lock Nuts DIN 985 Heat Treated Alloy Steel Zinc Plated

Auveco Part No.	Size	Pitch (mm)	Hex Width	Unit Pkg.
11049	4mm	.70	7mm	100
11051	5mm	.80	8mm	100
11053	6mm	1.00	10mm	100
11055	8mm	1.25	13mm	100
11057	10mm	1.50	17mm	100
11059	12mm	1.75	19mm	100



Type A



Type B

**Metric Free Spinning Washer Nuts**

Auveco Part No.	Thread Size	Type	Washer O.D.	Hex Size	Height	Plating	O.E.M. No.	Unit Pkg.
<b>15325</b>	M4-0.7	B	12mm	9mm	4.5mm	Phosphate	N621900, N800466	50
<b>16883</b>	M5-0.8	B	10mm	8mm	7mm	Zinc & Yellow	N802775-S36	50
<b>15326</b>	M5-0.8	B	15mm	10mm	7mm	Phosphate	N621903	50
<b>15327</b>	M5-0.8	B	19mm	10mm	7mm	Phosphate	11504614	50
<b>19216</b>	M6-1.0	B	14mm	10mm	8mm	Phosphate	6100047	50
<b>12595</b>	M6-1.0	A	16mm	10mm	7mm	Phosphate	11505329, 11503752, N90100001	25
<b>16268</b>	Same as 12595 except for packaging							50
<b>15328</b>	M6-1.0	B	16mm	11mm	8.5mm	Phosphate	N621905	50
<b>16136</b>	M6-1.0	B	18mm	10mm	7mm	Zinc	94515340	25
<b>15329</b>	M6-1.0	B	18mm	10mm	9mm	Phosphate	6100048	50
<b>12596</b>	M6-1.0	A	19mm	11mm	9.5mm	Phosphate	11503754, 11503756	25
<b>15330</b>	M6-1.0	B	19mm	10mm	8mm	Zinc	11508275	50
<b>16774</b>	M6-1.0	B	19mm	11mm	9mm	Zinc & Yellow	N621906-S36	50
<b>15331</b>	M6-1.0	B	20mm	10mm	9mm	Phosphate	6100049	50
<b>15332</b>	M6-1.0	B	24mm	11mm	9mm	Zinc & Yellow	N621907	25
<b>15333</b>	M8-1.25	B	18mm	13mm	10mm	Phosphate	6100050	25
<b>15334</b>	M8-1.25	B	19mm	13mm	10mm	Phosphate	11501800	25
<b>15335</b>	M8-1.25	B	24mm	13mm	10.5mm	Phosphate	11503695, 11506117, N621940	25
<b>15337</b>	M10-1.5	B	24mm	15mm	13mm	Phosphate	N621942	25
<b>21001</b>	M12-1.75	B	28mm	18mm	16mm	Phosphate	N621945-S2	10

**Metric Flange Lock Nuts**



Auveco Part No.	Thread Size	Flange O.D.	Hex Size	Height	Plating	O.E.M. No.	Unit Pkg.
<b>18251</b>	M6-1.0	14mm	10mm	6mm	Zinc & Yellow		50
<b>15316</b>	M6-1.0	14mm	10mm	7.5mm	Phosphate	N620480	50
<b>11709</b>	M8-1.25	17mm	13mm	8.5mm	Zinc	11502811	50
<b>15318</b>	M10-1.5	20.5mm	15mm	13mm	Phosphate	N620482	25
<b>11708</b>	M10-1.5	21mm	15mm	11.5mm	Zinc	11502812	25
<b>14521</b>	M10-1.5	21mm	15mm	12mm	Phosphate		25
<b>14522</b>	M12-1.75	25mm	18mm	14mm	Phosphate		25
<b>14523</b>	M16-2.0	33mm	24mm	18mm	Phosphate		10



## Metric Hex Flange Nuts



Auveco Part No.	Thread Size	Flange O.D.	Hex Size	Height	Plating	O.E.M. No.	Unit Pkg.	
<b>16880</b>	M4-.7	11mm	7mm	5mm	Black Zinc	14031900	50	
<b>17495*</b>	M4-.7	14mm	9mm	6mm	Zinc	N620391-S36	50	
<b>19309</b>	M5-.8	11.5mm	8mm	5mm	Black Oxide		50	
<b>19308</b>	M5-.8	11.5mm	8mm	5mm	Zinc	11502702	50	
<b>19205</b>	M6-1.0	14mm	10mm	6mm	Phosphate	11503745	100	
<b>20450</b>	M6.3-1.81	20mm	11mm	7mm	Zinc Organic	22516030	25	
<b>11644</b>	M8-1.25	17mm	13mm	8mm	Phosphate	11501889	25	
<b>16269</b>	Same as 11644 except for unit package quantity						11502609, 11507036	50
<b>18253</b>	M10-1.25	19mm	14mm	9mm	Zinc & Yellow		50	
<b>11645</b>	M10-1.5	21mm	15mm	10mm	Phosphate	11501850	25	
<b>20606</b>	M12-1.75	25mm	18mm	12mm	Phosphate		25	

\*with Sealer



### Metric Spin Lock Nuts with Serrations Case Hardened



Auveco Part No.	Thread Size	Flange O.D.	Hex Size	Plating	Unit Pkg.
<b>Standard Flange</b>					
<b>16769</b>	M6-1.0	14mm	10mm	Zinc	50
<b>16830</b>	M8-1.25	17mm	12mm	Zinc	50
<b>16470</b>	M10-1.25	19mm	14mm	Zinc	25
<b>Large Flange</b>					
<b>14855</b>	M6-1.0	17mm	10mm	Phos	100
<b>14856</b>	M8-1.25	19mm	13mm	Phos	100
<b>22045</b>	M10-1.50	20mm	15mm	Zinc	25



### Nylon Coated Acorn Nuts

Auveco Part No.	Size	Hex	Height	Unit Pkg.
<b>20570</b>	M4-0.7	10mm	11mm	15



### Metric Wing Nuts DIN D00213 Zinc Plated

Auveco Part No.	Thread Size	Unit Pkg.
<b>17010</b>	M6-1.0	25



### 18531 (6503837) Black

Ziptwist Wing Nut  
Fits 6mm Stud  
Outer Diameter: 5/8"  
UNIT PACKAGE: 50



### 12254 (11501814) Zinc

Metric Washer Lock Nuts  
Thread Size: M5-.8  
Flange Diameter: 14mm  
Height: 6mm  
Hex Size: 10mm  
UNIT PACKAGE: 100





**Washer Type Metric Self-Threading Nuts**



Auveco Part No.	Stud Size	Hex Width	Washer Diameter	Finish	O.E.M. Number	Unit Pkg.
<b>16134*</b>	3mm	8mm	13.5mm	Zinc & Yellow		25
<b>12115</b>	4mm	9mm	15mm	Zinc	11502549	100
<b>12116</b>	5mm	10mm	15mm	Phosphate	11508900	50
<b>12253</b>	5mm	10mm	15mm	Phosphate	11501835, 10062	50
<b>19548</b>	6mm	11mm	15mm	Zinc	6100814	50
<b>16829</b>	6mm	11mm	18mm	Zinc	6100815	100
<b>12117</b>	6.3mm	11mm	18mm	Zinc	11503432	50
<b>12255</b>	6.3mm	11mm	18mm	Zinc	11501836	50
<b>15711</b>	8mm	13mm	20mm	Zinc	11502507, 11509535 11514282	100

\*With Sealer



**Metric Push-On Retainers**  
For Non-Threaded Fasteners

Auveco Part No.	Stud Size	Diameter	Finish	Unit Pkg.
<b>12118</b>	3.2mm	9.5mm	Zinc	100
<b>12119</b>	4mm	11mm	Zinc	100

**Please order items in unit package quantities and by number of pieces needed**



**Metric Pushnut Bolt Retainers**  
For Threaded Fasteners

Auveco Part No.	Thread Size	O.D.	Finish	Unit Pkg.
<b>12122</b>	M5-0.8	11mm	Zinc	100
<b>12123</b>	M6-1.0	13mm	Zinc	100
<b>14980</b>	M6-1.0	17mm	Zinc	100
<b>12124</b>	M6.3-1.0	13mm	Zinc	100
<b>12125</b>	M8-1.25	16mm	Zinc	100
<b>12259</b>	M8-1.25	24mm	Zinc	50
<b>12126</b>	M10-1.50	20mm	Phosphate	50
<b>12260</b>	M10-1.50	24mm	Zinc	100
<b>12127</b>	M12-1.75	21mm	Zinc	50
<b>16980</b>	M14-2.0	25mm	Phosphate	50

**TUBULAR TYPE NUTS**

(Listed by Stud Size)



**13227**

(113-853-615A)  
Natural Nylon

For 3mm Stud  
Fits into 4mm Hole  
Overall Length: 10mm

UNIT PACKAGE: 50



**16124**

(001-988-20-81)  
Red Nylon

For 5mm Stud  
Fits into 9mm Hole  
Overall Length: 14mm

UNIT PACKAGE: 50



**20472**

(91512-SR3-004)  
White Nylon

Tubular Nut with Sealer & Sealed End  
For 3mm Stud  
Fits into 6mm Hole  
Head Diameter: 8.5mm

UNIT PACKAGE: 10



**13170**

(5131-1-802-258)  
Natural Nylon

For 7mm Stud  
Fits into 8mm hole  
Overall Length: 20mm

UNIT PACKAGE: 50

## CAGE NUTS



**16142**  
Zinc

Screw Size: M6-1.0  
Panel Range: 1.7mm-2.7mm

UNIT PACKAGE: 25



**20651**  
(001-990-00-91)  
Zinc & Yellow

Screw Size: M6-1.0  
Panel Range: .5mm - 1.7mm  
Center of Hole to Edge: 15mm

UNIT PACKAGE: 10

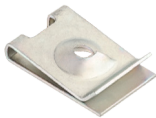
## U & J NUTS BY SCREW SIZE



**13221**  
(0712-9-925-706)  
Zinc

Screw Size: 2.9mm  
Panel Range: .5mm-1.5mm  
Center of Hole to Edge: 6mm

UNIT PACKAGE: 50



**20649**  
Zinc

Screw Size: 3.5mm (#6)  
Panel Range: .5mm - 1.5mm  
Center of Hole to Edge: 8mm

UNIT PACKAGE: 50



**13224**  
(000-994-04-45)  
Zinc

Screw Size: 4.2mm (#8)  
Panel Range: .5mm-1.7mm  
Center of Hole to Edge: 8mm

UNIT PACKAGE: 50



**13223**  
(BMW: 0712-9-925-708;  
Mercedes: 000-994-25-45)  
Zinc

Screw Size: 4.2mm (#8)  
Panel Range: 3mm-4mm  
Center of Hole to Edge: 7mm

UNIT PACKAGE: 50



**13225**  
Zinc

Screw Size: 4.2mm (#8)  
Panel Range: .5mm-2.5mm  
Center of Hole to Edge: 8mm

UNIT PACKAGE: 50



**13216**  
Zinc

Screw Size: 4.8mm (#10)  
Panel Range: .9mm-2mm  
Center of Hole to Edge: 8mm

UNIT PACKAGE: 25



**20650**  
(123-994-08-45)  
Zinc

Screw Size: 4.2mm (#8)  
Panel Range: .5mm-2.5mm  
Center of Hole to Edge: 14mm

UNIT PACKAGE: 25



**21017**  
(Nissan: 76882-0M000)  
White Nylon

Screw Size: 4.8mm(#10)  
Panel Range: Up to 1.5mm  
Center of Hole to Edge: 8mm

UNIT PACKAGE: 15



**13215**  
Zinc

Screw Size: 4.8mm(#10)  
Panel Range: .8mm-1.7mm  
Center of Hole to Edge: 11mm

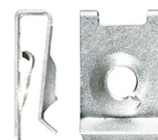
UNIT PACKAGE: 50



**13218**  
Zinc & Yellow

Screw Size: 4.8mm(#10)  
Panel Range: .5mm-1.7mm  
Center of Hole to Edge: 7mm

UNIT PACKAGE: 50



**22114**  
(BMW: 07129904150)  
Zinc Finish

U Type Nut  
Screw Size: M4.8 (#10)  
Panel Range: 2.3mm - 3.5mm (.090"-.138")  
Center of Hole to Edge: 8.5mm  
BMW 2011 - 1992

UNIT PACKAGE: 25

**METRIC ITEMS  
U & J NUTS BY SCREW SIZE**



**14750**

Black Nylon

Screw Size: 4.8mm (#10)  
Panel Range: Up to 1mm  
Center of Hole to Edge: 11mm

UNIT PACKAGE: 15

**19669**

Same as 14750 except for unit package quantity

UNIT PACKAGE: 25



**17993**

Black Nylon

Screw Size: 4.8mm (#10)  
Panel Range: Up to 3mm  
Center of Hole to Edge: 14mm

UNIT PACKAGE: 10



**19735**

(Nissan: 63848-35F00)  
Black Nylon

Screw Size: 4.8mm (#10)  
Panel Range: Up to 2mm  
Center of Hole to Edge: 8mm

UNIT PACKAGE: 15



**21359**

(Toyota: 53879-17020)  
Black Nylon

Screw Size: M4.8 (#10)  
Panel Range: Up to 2mm  
Center of Hole to Edge: 10mm

UNIT PACKAGE: 10



**21616**

(Toyota: 76647-42010)  
Black Nylon

Screw Size: M4.8 (#10)  
Panel Range: Up to 2mm  
Center of Hole to Edge: 7mm

UNIT PACKAGE: 15



**21540**

(GM: 24449408)  
Orange Nylon

Screw Size: M5.5 (#12)  
Panel Range: Up to 2mm (5/64")  
Center of Hole to Edge: 12mm (15/32")

**Use with Auveco 21541**

UNIT PACKAGE: 25



**21613**

(Toyota: 53879-20020)  
Black Nylon

Screw Size: M5.5 (#12)  
Panel Range: Up to 2mm  
Center of Hole to Edge: 11mm

UNIT PACKAGE: 15



**13162**

Zinc

Screw Size: 5.6mm  
Panel Range: 1.2mm-2.0mm  
Center of Hole to Edge: 10mm

UNIT PACKAGE: 50

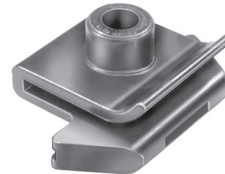


**17193**

(Nissan: 01241-00551, 63848-D0100)  
Nylon

Screw Size: 5.6mm (#12)  
Panel Range: Up to 1mm  
Center of Hole to Edge: 9mm

UNIT PACKAGE: 15



**17385**

(Nissan: 63848-D4000)  
Black Nylon

Screw Size: 5.6mm (#12)  
Panel Range: Up to 2mm  
Center of Hole to Edge: 9mm

UNIT PACKAGE: 10



**20956**

(Toyota: 90467-05114)  
Black Nylon

Screw Size: 5.5mm (#12)  
Panel Range: Up to 1mm  
Center of Hole to Edge: 14mm

UNIT PACKAGE: 10

# METRIC ITEMS U & J NUTS BY SCREW SIZE

Sec. 7



## 21614

(Toyota: 90467-05128)  
White Nylon

Screw Size: M6 (#14)  
Panel Range: Up to 2mm  
Center of Hole to Edge: 12mm

UNIT PACKAGE: 15



## 21378

(Hyundai: 86825-28000)  
Black Nylon

Screw Size: M6 (#14)  
Panel Range: Up to 1.5mm  
Center of Hole to Edge: 8mm

UNIT PACKAGE: 25



## 21615

(Toyota: 90467-A0018,  
90467-05081)  
Maroon Nylon

Screw Size: M6 (#14)  
Panel Range: Up to 2mm  
Center of Hole to Edge: 12mm

UNIT PACKAGE: 15

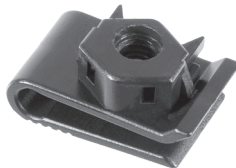


## 13220

(Mercedes: 000-994-09-14;  
Volvo: 946-418; Opel: 20-72-175)  
Zinc & Yellow

Screw Size: 6.5mm (#14)  
Panel Range: .7mm-1.5mm  
Center of Hole to Edge: 13mm

UNIT PACKAGE: 50

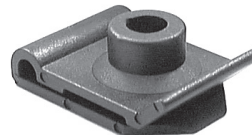


## 21459

(Nissan: 01241-00881)  
Black Nylon with Captive Metal

Hex Nut  
Thread: M6 - 1.0  
Panel Range: Up to 4mm  
Center of Hole to Edge: 14mm

UNIT PACKAGE: 10



## 14276

(Toyota: 53879-22010)  
Black Nylon

Screw Size: 6.3mm (#14)  
Panel Range: Up to 1mm  
Center of Hole to Edge: 15mm

UNIT PACKAGE: 15

## LOOKING FOR OIL DRAIN PLUGS?

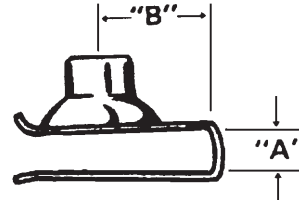
Flip over to pages 275-282 to find all of Auveco's Oil Drain Plugs

You can also find all oil drain plugs at [www.auveco.com](http://www.auveco.com)

With our new site plugs can be found by part or OEM number, car make or within the oil drain plug section. You will also be able to search by color, size and other item attributes.



**Metric Extruded U-Nuts**  
Fold Over Nuts



Auveco Part No.	Thread Size	"A" Panel Range		"B" Foldover Clear		Finish	O.E.M. No.	Unit Pkg.
		mm	Inches	mm	Inches			
18337	M4-7	0.60-3.80	1/32-5/32	9.5	3/8	Zinc Organic	11500654, N623330-S2	50
11625	M4-7	0.80-4.00	1/32-5/32	13.5	17/32	Phosphate	11500655	50
20339	M4.2-1.41*	0.50-2.00	1/32-5/64	10	25/64	Zinc Organic	11516397	50
21040	M4.2-1.41*	0.65-3.80	1/32-5/32	9.5	3/8	Zinc Organic	11513599	25
22074	M 4.2-1.41*	0.65-3.80	1/32-5/32	15		Zinc Organic	11515638	25
22113	M5-8	0.45-1.5	1/64-1/16	11.5		Zinc Finish	51127070202, N90168602	25
18338	M5-8	0.60-3.80	1/32-5/32	11	7/16	Phosphate	11505596, N623331-S2	50
11626	M5-8	0.80-4.00	1/32-5/32	15.8	5/8	Phosphate	11500657	50
16846	M6-1.0*	0.80-4.00	1/32-5/32	12	15/32	Phosphate	6502152	50
16842	M6-1.0	3.40-6.30	9/64-1/4	13.5	17/32	Phosphate	11504047, N802331-S53	25
18449	M6-1.0*	0.80-4.00	1/32-5/32	13.5	17/32	Phosphate	6101308	50
11864	M6-1.0	0.80-4.00	1/32-5/32	13.5	17/32	Phosphate	11503714, 11503716	50
12669	M6-1.0	0.80-4.00	1/32-5/32	13.5	17/32	Phosphate	1016937, 12337917, 11503957, N623332-S2, -S53 & S-100 W520822-S426	25
22105	M6-1.0	2.00-4.00	5/64-5/32	14.5	9/16	Zinc	90675-SA5-003	25
12666	M6-1.0	3.40-6.30	9/64-1/4	14.5	9/16	Zinc Organic	11504978	25
20416	M6-1.0	2.00-5.00	5/64-3/16	14.5	9/16	Zinc Organic	11516372	25
12575	M6-1.0	0.80-4.00	1/32-5/32	19.5	25/32	Phosphate	11503715	25
16322	M6-1.0	1.00-2.50	3/64-3/32	19.5	25/32	Phosphate	14040999	50
19480	M6-1.0	4.30-5.60	11/64-7/32	21.0	13/16	Phosphate	N805889-S100	15
11627	M6.3-1.0	0.80-4.00	1/32-5/32	13.5	17/32	Phosphate	11502785	25
11628	M6.3-1.0	0.80-4.00	1/32-5/32	13.5	17/32	Phosphate	11500658	25
12667	M8-1.25	1.50-5.50	1/16-7/32	14.5	9/16	Zinc Organic	11503455, 11504288	25
11629	M8-1.25	0.80-4.00	1/32-5/32	14.5	9/16	Phosphate	11500660, 11502617, N623333-S2	25
11630	M8-1.25	0.80-4.50	1/32-11/64	20	13/16	Phosphate	11500661, 11503317, N623343-S2	25
19644	M8-1.25	1.70-5.50	1/16-7/32	28.5	1-1/8	Phosphate	10084751	15
18401	M8-1.25*	4.00-7.00	5/32-9/32	21	13/16	Black Phosphate	N801117-S10	25
11631	M10-1.50	1.00-6.00	3/64-15/64	19	3/4	Phosphate	11500662	25
18339	M10-1.50	1.50-5.50	1/16-7/32	28	1-3/32	Zinc Organic	11500663, N623344-S2	25

\*Locking Feature





## Metric Flat Washers DIN 125



Auveco Part No.	Screw Size	Inner Diameter	Outer Diameter	Thickness	Finish	Unit Pkg.
10577	4mm	4.3mm	9mm	0.8mm	Zinc	50
10578	5mm	5.3mm	11mm	1mm	Zinc	50
10579	6mm	6.4mm	12mm	1.5mm	Zinc	50
17393	6mm	6.4mm	12mm	1.5mm	Zinc	100
16763	6mm	6.4mm	12mm	1.5mm	Zinc	100
10580	7mm	7.4mm	14mm	1.5mm	Zinc	50
10581	8mm	8.4mm	15.8mm	2mm	Zinc	25
17394	8mm	8.4mm	15.8mm	2mm	Zinc	100
16764	8mm	8.4mm	15.8mm	1.5mm	Zinc & Yellow	100
10582	10mm	10.5mm	21mm	2mm	Zinc	25
17395	10mm	10.5mm	21mm	2mm	Zinc	100
10583	12mm	13mm	24mm	2.5mm	Zinc	25
14632	14mm	15mm	28mm	2.5mm	Zinc	50
14633	16mm	17mm	30mm	3mm	Zinc	50
14634	20mm	21mm	37mm	3mm	Zinc	50



## Metric Lock Washers DIN 127 Spring Steel • Zinc Plated

Auveco Part No.	Screw Size	I.D.	O.D.	Thick-ness	Unit Pkg.
10584	4mm	4.1mm	7.4mm	0.9mm	50
10585	5mm	5.1mm	9.0mm	1.2mm	50
10586	6mm	6.1mm	11.5mm	1.6mm	50
17396	6mm	6.1mm	11.5mm	1.6mm	100
10587	7mm	7.1mm	12.2mm	1.6mm	50
10588	8mm	8.2mm	14.4mm	2mm	50
17397	8mm	8.2mm	14.4mm	2mm	100
10589	10mm	10.2mm	17.5mm	2.2mm	50
17398	10mm	10.2mm	17.5mm	2.2mm	100
10590	12mm	12.2mm	20.3mm	2.5mm	25
14636	16mm	16.2mm	27.4mm	3.5mm	50
14637	20mm	20.2mm	33.6mm	4mm	50



## Metric Spring Washers DIN 137 Spring Steel • Zinc Plated

Auveco Part No.	Screw Size	I.D.	O.D.	Thick-ness	Unit Pkg.
10591	4mm	4.3mm	8mm	0.5mm	50
10592	5mm	5.3mm	10mm	0.5mm	50
10593	6mm	6.4mm	11mm	0.5mm	50
10595	8mm	8.4mm	15mm	0.8mm	50
10596	10mm	10.5mm	18mm	1.0mm	25



## Metric Copper Washers DIN 7603

Auveco Part No.	Screw Size	Inner Diameter	Outer Diameter	Thickness	Unit Pkg.
14866	8mm	8.2mm	11.8mm	0.8mm	50
14867	10mm	10.2mm	15.8mm	0.8mm	50
14868	12mm	12.2mm	17.8mm	1.4mm	25
14869	14mm	14.2mm	17.8mm	1.4mm	25
14870	14mm	14.2mm	19.8mm	1.4mm	25
14871	16mm	16.2mm	19.8mm	1.4mm	25

**METRIC ITEMS**

For Actual Size Illustrations, Refer to Pages 185 - 186



**Retaining Rings - Basic Internal**  
**DIN 472 - 1300**  
 Groove required in Bore  
 Phosphate & Oil Finish



Auveco Part No.	Shaft Diameter		Groove Diameter		Groove Width		Unit Pkg.
	mm	Inches	mm	Inches	mm	Inches	
11486	26	1.024	27.2	1.072	1.30	.051	50
11488	30	1.181	31.4	1.237	1.30	.051	50
11489	32	1.260	33.7	1.328	1.30	.051	50
11490	35	1.378	37.0	1.457	1.60	.063	50
11491	40	1.575	42.5	1.675	1.85	.073	25
11492	42	1.654	44.5	1.753	1.85	.073	25
11494	52	2.047	55.0	2.165	2.15	.085	25
11495	62	2.441	65.0	2.559	2.15	.085	10



**Retaining Rings - Basic External**  
**DIN 471 - 1400**  
 Groove required on Shaft  
 Phosphate & Oil Finish



Auveco Part No.	Shaft Diameter		Groove Diameter		Groove Width		Unit Pkg.
	mm	Inches	mm	Inches	mm	Inches	
11500	10.0	.394	9.6	.378	1.10	.043	100
11501	12.0	.472	11.5	.452	1.10	.043	100
11502	15.0	.591	14.3	.563	1.10	.043	100
11503	17.0	.670	16.2	.637	1.10	.043	50
11505	25.0	.985	23.9	.941	1.30	.051	50
11506	30.0	1.182	28.6	1.126	1.60	.063	50
11507	35.0	1.378	33.0	1.299	1.60	.063	50



**Retaining Rings - E Type**  
**DIN 6799 - 1500**  
 Phosphate & Oil Finish



Auveco Part No.	Shaft Diameter		Groove Diameter		Groove Width		Unit Pkg.
	mm	Inches	mm	Inches	mm	Inches	
11513	1.4	.055	1.2	.047	0.34	.0134	100
11514	2.0	.079	1.5	.059	0.44	.0173	100
11515	2.5	.098	1.9	.075	0.54	.0213	100
11516	3.0	.118	2.3	.091	0.64	.0252	100
11517	4.0	.157	3.2	.126	0.64	.0252	100
11518	5.0	.197	4.0	.157	0.74	.0291	100
11519	6.0	.236	5.0	.197	0.74	.0291	100
11520	7.0	.276	6.0	.236	0.74	.0291	100
11521	8.0	.315	7.0	.276	0.94	.0370	100
11523	10.0	.394	9.0	.354	1.15	.0453	100
11527	20.0	.787	19.0	.748	1.78	.0700	50

**METRIC ITEMS**

**Metric Grease Fittings**

(Available in Large Bulk Quantities)



6mm-1.00, Straight  
DIN 71412 (VW: N185151)  
Overall Length: 14mm  
Ball Check, Plated  
**Ref No. 8601**

- 11097** Unit Package: 5
- 15122** Unit Package: 50
- 15123** Unit Package: 100
- 15426** Unit Package: 1000



8mm-1.00, Straight  
DIN 71412 (VW: N185161)  
Overall Length: 15mm  
Ball Check, Plated  
**Ref No. 8901**

- 11098** Unit Package: 5
- 15124** Unit Package: 50
- 15125** Unit Package: 100



8mm-1.25, Straight  
Overall Length: 15mm  
Ball Check, Plated  
**Ref No. 9201**

- 11778** Unit Package: 10
- 15138** Unit Package: 50
- 15139** Unit Package: 100
- 15434** Unit Package: 1000



10mm-1.00, Straight  
DIN71412 (VW: N185301)  
Overall Length: 15mm  
Ball Check, Plated  
**Ref No. 9301**

- 11100** Unit Package: 5
- 15128** Unit Package: 50
- 15129** Unit Package: 100



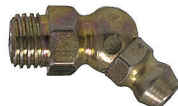
10mm-1.5 Straight  
Overall Length: 15mm  
Ball Check  
**Ref No. 9501**

- 17555** Unit Package: 50



6mm-1.00, 45°  
Overall Length: 22mm  
Ball Check, Plated  
**Ref No 7045**

- 11775** Unit Package: 10
- 15132** Unit Package: 50
- 15133** Unit Package: 100
- 15431** Unit Package: 1000



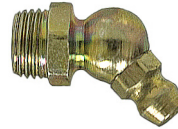
8mm-1.00, 45°  
Overall Length: 23mm  
Ball Check, Plated  
**Ref No. 7445**

- 11777** Unit Package: 10
- 15136** Unit Package: 50
- 15137** Unit Package: 100



8mm-1.25, 45°  
Overall Length: 23mm  
Ball Check, Plated  
**Ref No. 7545**

- 11779** Unit Package: 10
- 15140** Unit Package: 50
- 15141** Unit Package: 100



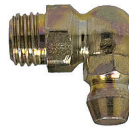
10mm-1.00, 45°  
Overall Length: 23mm  
Ball Check, Plated  
**Ref No.9345**

- 15067** Unit Package: 25
- 15098** Unit Package: 100
- 15099** Unit Package: 250



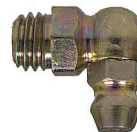
6mm-1.00, 90°  
Overall Length: 18mm  
Ball Check, Plated  
**Ref No.7090**

- 11776** Unit Package: 10
- 15134** Unit Package: 50
- 15135** Unit Package: 100



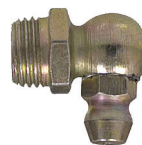
8mm-1.00, 90°  
DIN 71412 (VW: N18 511 2)  
Overall Length: 18mm  
Ball Check, Plated  
**Ref No. 7940**

- 11099** Unit Package: 5
- 15126** Unit Package: 50
- 15127** Unit Package: 100



8mm-1.25, 90°  
Overall Length: 18mm  
Ball Check, Plated  
**Ref No. 7590**

- 11780** Unit Package: 10
- 15142** Unit Package: 50
- 15143** Unit Package: 100



10mm-1.00, 90°  
DIN 71412 (VW: N18 510 1)  
Overall Length: 19mm  
Ball Check, Plated  
**Ref No. 9390**

- 11101** Unit Package: 5
- 15130** Unit Package: 50
- 15131** Unit Package: 100

**Stainless Steel Grease Fittings  
with Ball Check**

303 Series Body · 420 Series Ball · 302 Series Spring



**17156**  
**Ref. No. 8058**

8mm-1.00, Straight  
Overall Length: 15mm

UNIT PACKAGE: 5



Concave Type



Cup Type

**Metric Expansion Plugs**  
Zinc Plated

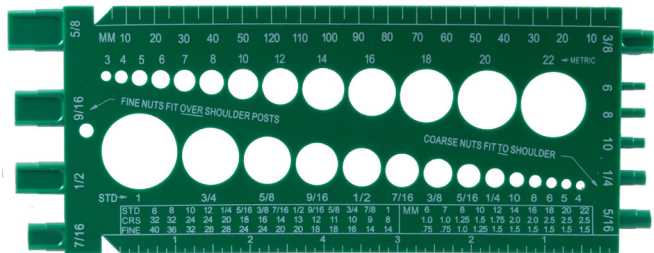
Auveco Part No.	Size	Type	Unit Pkg.
11876	18.0mm	Cup	25
11877	20.0mm	Cup	25
11878	22.0mm	Cup	25
11879	25.0mm	Cup	25
11881	30.0mm	Cup	25
11884	35.0mm	Cup	10
11886	38.0mm	Cup	10
11888	40.3mm	Cup	10
11895	49.5mm	Cup	10
11896	50.0mm	Cup	10
11899	35.0mm	Concave	25

**Metric Cotter Pins**  
ASME B18.8.6M • Steel



Auveco Part No.	Diameter	Length	Unit Pkg.
10553	2mm	18mm	100
10554	2mm	20mm	100
10556	2.5mm	25mm	100
10557	3.2mm	20mm	100
10558	3mm	25mm	100
10559	3mm	30mm	100
10560	3mm	35mm	50
10562	4mm	30mm	50
10564	4mm	40mm	50
10566	5mm	35mm	25
10567	5mm	40mm	25
10568	5mm	45mm	25

For an assortment of Metric Cotter Pins, see Fix-Kit No. 6158 in the green pages.



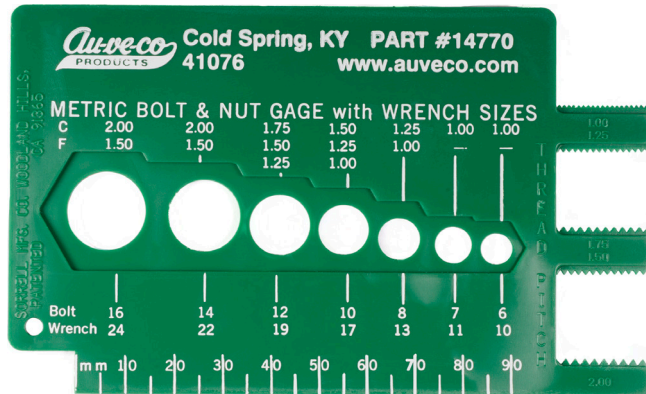
**21152**

**U.S.S., S.A.E. & Metric Bolt and Nut Gauge.**  
Excellent for sizing bolts, screws, nuts (USS, SAE, and Metric) and twist drills. Determine the bolt diameter by pushing the bolt through the sizing holes, as well as, gauges hex nuts and washers (USS & SAE) size. Metric hex nuts and washers can be measured by holding them under the metric holes.

The back of the gauge includes a feature for measuring U.S. and Metric thread pitch. Special notches on the front of the tool allow you to measure flat head metal and wood screws.

Made of sturdy, light weight green plastic that resists water, alcohol, oil and grease.

UNIT PACKAGE: 1



**14770**

**Metric Bolt & Nut Gauge**

Determine the diameter of the bolts by pushing them through the holes. Measure the hex head of bolts and screws or the "across the flat" dimension of hex nuts in the recesses around the holes (listed as wrench size).

Right-hand side of tool measures thread pitch (1.00, 1.50, 1.75 & 2.00)

UNIT PACKAGE: 1

**Thread Pitches**

Approximate threads per inch for Metric Screws, Bolts and Nuts

Diameter in mm	3	4	5	6	7	8	10	12	14	16
Diameter in Inch	.118	.157	.197	.236	.276	.315	.394	.472	.551	.630
Standard Pitch mm	.5	.7	.8	1.0	1.0	1.25	1.5	1.75	2.0	2.0
Approx. Threads/Inch	51	36	32	25	25	20	17	14	12	12
Fine Pitch mm						1.0	1.25	1.5	1.5	1.5
Approx. Threads/Inch						25	20	17	17	17
Extra Fine Pitch mm							1.0	1.25	1.25	1.25
Approx. Threads/Inch							25	20	20	20

## Inch Fractions and Decimals to Metric Equivalents

Inches			Inches			Inches		
Fractions	Decimals	mm	Fractions	Decimals	mm	Fractions	Decimals	mm
—	.0004	.01	31/64	.48437	12.303	—	1.1417	29
—	.004	.10	—	.492	12.5	1-5/32	1.156	29.369
—	.01	.25	1/2	.500	12.700	—	1.1811	30
1/64	.0156	.397	—	.5118	13	1-3/16	1.1875	30.163
—	.0197	.50	33/64	.5156	13.097	1-7/32	1.219	30.956
—	.0295	.75	17/32	.53125	13.494	—	1.2205	31
1/32	.03125	.794	35/64	.54687	13.891	1-1/4	1.250	31.750
—	.0394	1	—	.5512	14	—	1.2598	32
3/64	.0469	1.191	9/16	.5625	14.288	1-9/32	1.281	32.544
—	.059	1.5	—	.571	14.5	—	1.2992	33
1/16	.0625	1.588	37/64	.57812	14.684	1-5/16	1.312	33.338
5/64	.0781	1.984	—	.5906	15	—	1.3386	34
—	.0787	2	19/32	.59375	15.081	1-11/32	1.344	34.131
3/32	.094	2.381	39/64	.60937	15.478	1-3/8	1.375	34.925
—	.0984	2.5	5/8	.6250	15.875	—	1.3779	35
7/64	.1093	2.776	—	.6299	16	1-13/32	1.406	35.719
—	.1181	3	41/64	.6406	16.272	—	1.4173	36
1/8	.1250	3.175	—	.6496	16.5	1-7/16	1.438	36.513
—	.1378	3.5	21/32	.65625	16.669	—	1.4567	37
9/64	.1406	3.572	—	.6693	17	1-15/32	1.469	37.306
5/32	.15625	3.969	43/64	.67187	17.066	—	1.4961	38
—	.1575	4	11/16	.6875	17.463	1-1/2	1.500	38.100
11/64	.17187	4.366	45/64	.7031	17.859	1-17/32	1.531	38.894
—	.177	4.5	—	.7087	18	—	1.5354	39
3/16	.1875	4.763	23/32	.71875	18.256	1-9/16	1.562	39.688
—	.1969	5	—	.7283	18.5	—	1.5748	40
13/64	.2031	5.159	47/64	.73437	18.653	1-19/32	1.594	40.481
—	.2165	5.5	—	.7480	19	—	1.6142	41
7/32	.21875	5.556	3/4	.7500	19.050	1-5/8	1.625	41.275
15/64	.23437	5.953	49/64	.7656	19.447	—	1.6535	42
—	.2362	6	25/32	.78125	19.844	1-21/32	1.6562	42.069
1/4	.2500	6.350	—	.7874	20	1-11/16	1.6875	42.863
—	.2559	6.5	51/64	.79687	20.241	—	1.6929	43
17/64	.2656	6.747	13/16	.8125	20.638	1-21/32	1.719	43.656
—	.2756	7	—	.8268	21	—	1.7323	44
9/32	.28125	7.144	53/64	.8281	21.034	1-3/4	1.750	44.450
—	.2953	7.5	27/32	.84375	21.431	—	1.7717	45
19/64	.29687	7.541	55/64	.85937	21.828	1-25/32	1.781	45.244
5/16	.3125	7.938	—	.8662	22	—	1.8110	46
—	.3150	8	7/8	.8750	22.225	1-13/16	1.8125	46.038
21/64	.3281	8.334	57/64	.8906	22.622	1-27/32	1.844	46.831
—	.335	8.5	—	.9055	23	—	1.8504	47
11/32	.34375	8.731	29/32	.90625	23.019	1-7/8	1.875	47.625
—	.3543	9	59/64	.92187	23.416	—	1.8898	48
23/64	.35937	9.128	15/16	.9375	23.813	1-29/32	1.9062	48.419
—	.374	9.5	—	.9449	24	—	1.9291	49
3/8	.3750	9.525	61/64	.9531	24.209	1-15/16	1.9375	49.213
25/64	.3906	9.922	31/32	.96875	24.606	—	1.9685	50
—	.3937	10	—	.9843	25	1-31/32	1.969	50.006
13/32	.4062	10.319	1	1.000	25.4	2	2.000	50.800
—	.413	10.5	—	1.0236	26	—	2.0079	51
27/64	.42187	10.716	1-1/32	1.0312	26.194	—	2.0472	52
—	.4331	11	1-1/16	1.062	26.988	2-1/16	2.062	52.388
7/16	.4375	11.113	—	1.063	27	—	2.0866	53
29/64	.4531	11.509	1-3/32	1.094	27.781	2-1/8	2.125	53.975
15/32	.46875	11.906	—	1.1024	28	—	2.126	54
—	.4724	12	1-1/8	1.125	28.575	—	2.165	55



**Inch Fractions and Decimals to Metric Equivalents**

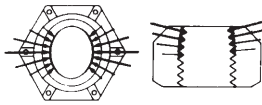
Inches			Inches			Inches		
Fractions	Decimals	mm	Fractions	Decimals	mm	Fractions	Decimals	mm
2-3/16	2.1875	55.563	—	3.1496	80	4-1/4	4.250	107.950
—	2.2047	56	3-3/16	3.1875	80.963	4-5/16	4.312	109.538
—	2.244	57	—	3.1890	81	—	4.3307	110
2-1/4	2.250	57.150	—	3.2283	82	4-3/8	4.375	111.125
—	2.2835	58	3-1/4	3.250	82.550	4-7/16	4.438	112.713
2/5-16	2.312	58.738	—	3.2677	83	4-1/2	4.500	114.300
—	2.3228	59	—	3.3071	84	—	4.5275	115
—	2.3622	60	3-5/16	3.312	84.1377	4-9/16	4.562	115.888
2-3/8	2.375	60.325	—	3.3464	85	4-5/8	4.625	117.475
—	2.4016	61	3-3/8	3.375	85.725	—	4.7244	120
2-7/16	2.438	61.913	—	3.3858	86	4-3/4	4.750	120.650
—	2.4409	62	—	3.4252	87	4-7/8	4.875	123.825
—	2.4803	63	3-7/16	3.438	87.313	—	4.9212	125
2-1/2	2.500	63.500	—	3.4646	88	5	5.000	127
—	2.5197	64	3-1/2	3.500	88.900	—	5.1181	130
—	2.559	65	—	3.5039	89	5-1/4	5.250	133.350
2-9/16	2.562	65.088	—	3.5433	90	5-1/2	5.500	139.700
—	2.5984	66	3-9/16	3.562	90.4877	—	5.5118	140
2-5/8	2.625	66.675	—	3.5827	91	5-3/4	5.750	146.050
—	2.638	67	—	3.622	92	—	5.9055	150
—	2.6772	68	3-5/8	3.625	92.075	6	6.00	152.400
2-11/16	2.6875	68.263	—	3.6614	93	6-1/4	6.250	158.750
—	2.7165	69	3-11/16	3.6875	93.663	—	6.2992	160
2-3/4	2.750	69.850	—	3.7008	94	6-1/2	6.500	165.100
—	2.7559	70	—	3.7401	95	—	6.6929	170
—	2.7953	71	3-3/4	3.750	95.250	6-3/4	6.750	171.450
2-13/16	2.8125	71.438	—	3.7795	96	7	7.000	177.800
—	2.8346	72	3-13/16	3.8125	96.838	—	7.0866	180
—	2.8740	73	—	3.8189	97	—	7.4803	190
2-7/8	2.875	73.025	—	3.8583	98	7-1/2	7.500	190.500
—	2.9134	74	3-7/8	3.875	98.425	—	7.8740	200
2-15/16	2.9375	74.613	—	3.8976	99	8	8.000	203.200
—	2.9527	75	—	3.9370	100	—	8.2677	210
—	2.9921	76	3-15/16	3.9375	100.013	8-1/2	8.500	215.900
3	3.000	76.200	—	3.9764	101	—	8.6614	220
—	3.0315	77	4	4.000	101.600	9	9.000	228.600
3-1/16	3.062	77.788	4-1/16	4.062	103.188	—	9.0551	230
—	3.0709	78	4-1/8	4.125	104.775	—	9.4488	240
—	3.1102	79	—	4.1338	105	9-1/2	9.500	241.300
3-1/8	3.125	79.375	4-3/16	4.1875	106.363	—	9.8425	250

**U.S. STANDARD GAUGE CHART**

Gauge	Decimal Size	Gauge	Decimal Size	Gauge	Decimal Size	Gauge	Decimal Size
7	.188"	14	.078"	21	.034"	28	.016"
8	.172"	15	.070"	22	.031"	29	.014"
9	.156"	16	.063"	23	.028"	30	.013"
10	.141"	17	.056"	24	.025"	31	.011"
11	.125"	18	.050"	25	.022"		
12	.109"	19	.044"	26	.019"		
13	.094"	20	.038"	27	.017"		

## Prevailing Torque Lock Nuts

Grade 8 • Cad and Waxed



Auveco Part No.	Thread Size	Hex Width	Unit Pkg.
12697	1/4"-20 USS	7/16"	50
12705	1/4"-28 SAE	7/16"	50
12698	5/16"-18 USS	1/2"	50
12699	3/8"-16 USS	9/16"	50
12707	3/8"-24 SAE	9/16"	50
12700	7/16"-14 USS	11/16"	50
12708	7/16"-20 SAE	11/16"	50
12701	1/2"-13 USS	3/4"	25
12709	1/2"-20 SAE	3/4"	25
12710	9/16"-18 SAE	7/8"	25
12703	5/8"-11 USS	15/16"	10
12711	5/8"-18 SAE	15/16"	10
12704	3/4"-10 USS	1-1/8"	10



## Hexagon Machine Screw Nuts

Zinc Plated Steel

Auveco Part No.	Thread Size	Hex Width	Unit Pkg.
727	6-32	5/16"	100
728	8-32	11/32"	100
729	10-32	3/8"	100
730	10-24	3/8"	100
731	12-24	7/16"	100
733	1/4"-20	7/16"	100



## Reversible Lock Nuts

Grade 2 • Zinc Plated

Auveco Part No.	Thread Size	Hex Width	Unit Pkg.
11740	1/4"-20	7/16"	100
11741	5/16"-18	1/2"	100
11742	3/8"-16	9/16"	50
11743	1/2"-13	3/4"	25
11744	5/8"-11	15/16"	25



## Hexagon Machine Screw Nuts

Double Chamfered • Plain Brass

Auveco Part No.	Thread Size	Hex Width	Unit Pkg.
3868	10-24 USS	3/8"	100



## Slotted Hex Nuts

Zinc Finish

Auveco Part No.	Thread Size	Hex Width	Slot Width	Unit Pkg.
12723	5/8"-18	15/16"	3/16"-15/64"	25



## Nylon Insert Lock Nuts

Grade 2 • Zinc Plated

Auveco Part No.	Thread Size	Hex Width	Unit Pkg.
9535	8-32	11/32"	100
9536	10-24 USS	3/8"	100
9537	10-32 SAE	3/8"	100
9538	12-24	7/16"	100
9539	1/4"-20 USS	7/16"	100
9540	1/4"-28 SAE	7/16"	100
9541	5/16"-18 USS	1/2"	50
9542	5/16"-24 SAE	1/2"	50
9543	3/8"-16 USS	9/16"	50
9544	3/8"-24 SAE	9/16"	50
9545	7/16"-14 USS	5/8"	50
9546	7/16"-20 SAE	5/8"	50
9547	1/2"-13 USS	3/4"	50
9548	1/2"-20 SAE	3/4"	50
15863	5/8"-11 USS	15/16"	25
15864	5/8"-18 SAE	15/16"	25
15865	3/4"-10 USS	1-1/8"	25



## Finished USS (Coarse) & SAE (Fine) Hexagon Nuts

Grade 2 • Zinc Plated

Auveco Part No.	Thread Size	Hex Width	Unit Pkg.
3541	1/4"-20 USS	7/16"	100
3542	1/4"-28 SAE	7/16"	100
3543	5/16"-18 USS	1/2"	100
3544	5/16"-24 SAE	1/2"	100
3545	3/8"-16 USS	9/16"	100
3546	3/8"-24 SAE	9/16"	100
3547	7/16"-14 USS	11/16"	100
3548	7/16"-20 SAE	11/16"	100
3549	1/2"-13 USS	3/4"	100
3550	1/2"-20 SAE	3/4"	100
8659	9/16"-12 USS	7/8"	50
8660	9/16"-18 SAE	7/8"	50
8661	5/8"-11 USS	15/16"	50
8662	5/8"-18 SAE	15/16"	50
8663	3/4"-10 USS	1-1/8"	50

# Sec. 8

## Finished USS (Coarse) & SAE (Fine) Hex Nuts Grade 5 • Zinc Plated



Fully Certified for S.A.E. J995 Standard  
Proof Load: 120,000 PSI  
C32 Max. Rockwell Hardness

Auveco Part No.	Thread Size	Hex Width	Unit Pkg.
15586	1/4"-20 USS	7/16"	100
15595	1/4"-28 SAE	7/16"	100
15587	5/16"-18 USS	1/2"	100
15596	5/16"-24 SAE	1/2"	100
15588	3/8"-16 USS	9/16"	100
15597	3/8"-24 SAE	9/16"	100
15589	7/16"-14 USS	11/16"	50
15598	7/16"-20 SAE	11/16"	50
15590	1/2"-13 USS	3/4"	50
15599	1/2"-20 SAE	3/4"	50
16981	9/16"-12 USS	7/8"	25
15591	5/8"-11 USS	15/16"	25
15592	3/4"-10 USS	1-1/8"	25
15601	3/4"-16 SAE	1-1/8"	25
15594	1"-8 USS	1-15/32"	10



## Finished USS (Coarse) & SAE (Fine) Hexagon Nuts Grade 8 • Zinc & Yellow Plated High Alloy

Auveco Part No.	Thread Size	Hex Width	Unit Pkg.
9300	1/4"-20 USS	7/16"	100
9307	1/4"-28 SAE	7/16"	100
9301	5/16"-18 USS	1/2"	100
9308	5/16"-24 SAE	1/2"	100
9302	3/8"-16 USS	9/16"	100
9309	3/8"-24 SAE	9/16"	100
9303	7/16"-14 USS	11/16"	50
9310	7/16"-20 SAE	11/16"	50
9304	1/2"-13 USS	3/4"	50
9311	1/2"-20 SAE	3/4"	50
9305	5/8"-11 USS	15/16"	25
9312	5/8"-18 SAE	15/16"	25
9306	3/4"-10 USS	1-1/8"	25

Refer to assortments 1020, 1021, 1030 & 1031 in the green pages.



## Ziptwist Wing Nut

Auveco Part No.	Thread Size	O.D.	Height	Finish	Unit Pkg.
18531	6mm	5/8"	7/32"	Black	50

# NUTS



## Washer Base Wing Nuts Zinc Alloy

Auveco Part No.	Thread Size	Wing Spread	Overall Height	Washer O.D.	Unit Pkg.
10036	1/4"-20	1"	1/2"	3/4"	50



## Finished USS (Coarse) & SAE (Fine) Hex Nuts Grade 8 • Zinc & Yellow Plated

Fully Certified for S.A.E. J995 Standard  
Proof Load: 150,000 PSI  
C24-C32 Max. Rockwell Hardness for 1/4 thru 5/8  
C26-C34 Max. Rockwell Hardness for 3/4 thru 1

Auveco Part No.	Thread Size	Hex Width	Unit Pkg.
15640	1/4"-20 USS	7/16"	100
15649	1/4"-28 SAE	7/16"	100
15641	5/16"-18 USS	1/2"	100
15650	5/16"-24 SAE	1/2"	100
15642	3/8"-16 USS	9/16"	100
15651	3/8"-24 SAE	9/16"	100
15643	7/16"-14 USS	11/16"	50
15652	7/16"-20 SAE	11/16"	50
15644	1/2"-13 USS	3/4"	50
15653	1/2"-20 SAE	3/4"	50
16983	9/16"-12 USS	7/8"	25
15645	5/8"-11 USS	15/16"	25
15654	5/8"-18 SAE	15/16"	25
15646	3/4"-10 USS	1-1/8"	15

Refer to assortments 1020, 1021 1030 & 1031 in the green pages.



## Keps® Lock Washer & Nut Zinc Plated

Auveco Part No.	Thread Size	Hex Width	Unit Pkg.
3492	6-32	5/16"	100
3493	8-32	11/32"	100
3494	10-24	3/8"	100
3495	10-32	3/8"	100
3496	1/4"-20	7/16"	100
3497	1/4"-28	7/16"	100
3498	5/16"-18	1/2"	100
3499	5/16"-24	1/2"	100
3500	3/8"-16	9/16"	100



## Square Nuts

Auveco Part No.	Thread Size	Width	Finish	Unit Pkg.
3249	3/16"-24	3/8"	Bright Zinc	100
3250	1/4"-20	7/16"	Bright Zinc	100



## Cage Nuts Phosphate Plated

Auveco Part No.	Thread Size	Fits Sq. Hole	Panel Range	Unit Pkg.
<b>3144</b>	1/4"-20	3/8"	.064-.105"	50
<b>10773</b>	1/4"-20	3/8"	.064-.105"	25
<b>3798</b>	5/16"-18	1/2"	.023-.063"	50



## Spin Lock Nuts with Serrations



Auveco Part No.	Thread Size	Flange O.D.	Hex Width	Unit Pkg.
<b>Standard Flange - Zinc Plated</b>				
<b>14878</b>	8-32	15/32"	11/32"	100
<b>14873</b>	10-24	USS 1/2"	3/8"	100
<b>14874</b>	1/4"-20	USS 19/32"	7/16"	100
<b>14875</b>	5/16"-18	USS 11/16"	1/2"	100
<b>14876</b>	3/8"-16	USS 3/4"	9/16"	100
<b>14877</b>	7/16"-14	USS 15/16"	11/16"	50
<b>17084</b>	1/2"-13	USS 1"	3/4"	25
<b>Large Flange - Black Phosphate</b>				
<b>2769</b>	1/4"-20	USS 11/16"	7/16"	100
<b>5167</b>	5/16"-18	USS 13/16"	1/2"	100
<b>5596</b>	3/8"-16	USS 7/8"	9/16"	100



## Wing Nuts Nickel Plated

Auveco Part No.	Size	Unit Pkg.
<b>3741</b>	1/4"-20	100
<b>3743</b>	3/8"-16	50



## Self-Locking Wing Nuts Bright Zinc Chromate

Auveco Part No.	Size	Unit Pkg.
<b>9846</b>	1/4"-20	100



## Pushnut Bolt Retainers For Threaded Fasteners



Auveco Part No.	Bolt Dia.	O.D.	Finish	Unit Pkg.
<b>16851</b>	9/64" (#6)	11/32"	Zinc	100
<b>10085</b>	5/32" (#8)	3/8"	Phos.	100
<b>16852</b>	3/16" (#10)	7/16"	Phos.	100
<b>10086</b>	1/4"	1/2"	Zinc	100
<b>10087</b>	5/16"	5/8"	Zinc	100
<b>9297</b>	3/8"	25/32"	Zinc	100
<b>9298</b>	7/16"	27/32"	Zinc	100
<b>9299</b>	1/2"	15/16"	Zinc	100

For an assortment of Pushnut Bolt Retainers see Fit-Kit No. 6164



## Washer Lock Nuts Zinc Plated



Auveco Part No.	Thread Size	Hex Width	O.D.	Unit Pkg.
<b>2554</b>	6-32	5/16"	7/16"	100
<b>2555</b>	8-32	11/32"	15/32"	100
<b>2556</b>	10-32	3/8"	1/2"	100
<b>2557</b>	10-24	3/8"	1/2"	100
<b>2558</b>	10-24	3/8"	3/4"	100
<b>2560</b>	12-24	3/8"	3/4"	100
<b>2561</b>	1/4"-20	7/16"	19/32"	100
<b>2562</b>	1/4"-20	7/16"	13/16"	100
<b>10764</b>	5/16"-18	1/2"	13/16"	100

For an assortment of Washer Lock Nuts, see Fix-Kit 6043



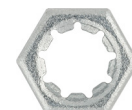
## Flat Push-On Retainers For Non-Threaded Fasteners



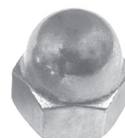
Auveco Part No.	Stud Size	O.D.	Plating	Unit Pkg.
<b>8861</b>	1/16"	3/16"	Phos	100
<b>8862</b>	3/32"	3/16"	Phos	100
<b>8863</b>	1/8"	3/8"	Zinc	100
<b>8864</b>	5/32"	7/16"	Zinc	100
<b>8865</b>	3/16"	7/16"	Zinc	100
<b>8867</b>	.240"	17/32"	Zinc	100
<b>8868</b>	1/4"	17/32"	Zinc	100
<b>8869</b>	5/16"	5/8"	Zinc	100
<b>10374</b>	3/8"	3/4"	Zinc	100
<b>10375</b>	1/2"	1"	Zinc	100
<b>21080</b>	5/8"	1"	Zinc	100



## Hex Pal Nuts Plated



Auveco Part No.	Thread Size	Hex Width	Unit Pkg.
<b>3975</b>	3/8"-24	9/16"	100
<b>8858</b>	1/2"-20	3/4"	100



## Acorn Cap Nuts Nickel Plated

Auveco Part No.	Thread Size	Hex Width	Height	Unit Pkg.
<b>11179</b>	8-32	5/16"	9/32"	100
<b>11180</b>	10-24	3/8"	11/32"	100
<b>11181</b>	10-32	3/8"	11/32"	100
<b>11182</b>	1/4"-20	7/16"	3/8"	50
<b>11183</b>	5/16"-18	9/16"	7/16"	50
<b>11184</b>	3/8"-16	5/8"	1/2"	25





**Free Spinning Washer Nuts**



Auveco Part No.	Thread Size	Washer O.D.	Hex Size	Height	Plating	O.E.M. No.	Unit Pkg.
16770	#10-24	3/8"	5/16"	11/64"	Zinc & Yellow	383255-S36	100
16771	#10-32	3/8"	5/16"	11/64"	Zinc & Yellow		100
15345	1/4"-20	5/8"	7/16"	9/32"	Zinc & Yellow	3866846, 385400	50
15347	1/4"-20	7/8"	7/16"	5/16"	Phosphate	45334, 6023204, 6025004	50
15350	5/16"-18	3/4"	1/2"	3/8"	Phosphate	6025007	50
15351	3/8"-16	7/8"	9/16"	7/16"	Phosphate	376785	25

For metric sizes of Free Spinning Washer Nuts, refer to page 139

**THREAD CUTTING NUTS**



**3400**  
Zinc

Stud Size: 1/8"  
Hex: 1/4"

UNIT PACKAGE: 200



**3401**  
Zinc

Stud Size: 1/8"  
Hex: 5/16"

UNIT PACKAGE: 200



**2895**  
Zinc

Stud Size: 1/8"  
Hex: 5/16"  
Washer Diameter: 17/32"

UNIT PACKAGE: 100



**2896**  
Zinc

Stud Size: 3/16"  
Hex: 3/8"  
Washer Diameter: 5/8"

UNIT PACKAGE: 100



**2897**  
Zinc

Stud Size: 1/4"  
Hex: 7/16"  
Washer Diameter: 19/32"

UNIT PACKAGE: 100



**3403**  
Zinc

Stud Size: 1/8"  
Hex: 5/16"  
Washer Diameter: 7/16"

UNIT PACKAGE: 200



**3404**  
Zinc

Stud Size: 3/16"  
Hex: 3/8"  
Washer Diameter: 1/2"

UNIT PACKAGE: 200



**8855**  
Zinc

Stud Size: 5/32"  
Hex: 3/8"  
Washer Diameter: 9/16"

UNIT PACKAGE: 100



**3405**  
Zinc

Stud Size: 1/4"  
Hex: 7/16"  
Washer Diameter: 11/16"

UNIT PACKAGE: 200



**10733**  
Zinc

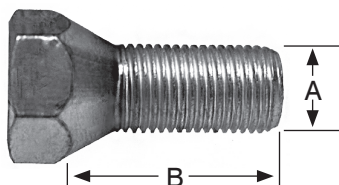
Stud Size: 5/16"  
Hex: 1/2"  
Washer Diameter: 7/8"

UNIT PACKAGE: 100



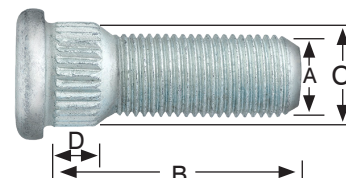
# WHEEL STUDS, BOLTS AND NUTS

## Sec. 8



Type #1

**Wheel Studs & Bolts**  
Grade 8 Steel • Plated  
UNIT PACKAGE: 10



Type #2

Auveco Part No.	Type	Diameter (A)	Length (B)	Knurl Dia. (C)	Shoulder Length (D)	Application
14225	1	1/2"-20	1.070"/1.100"	N/A	N/A	Universal (3/4" Hex)
14227	2	1/2"-20	1.510"/1.540"	.618"/.628"	.310"/.330"	GM 76-55; Int. 80-67
14228	2	7/16"-20	1.380"/1.410"	.556"/.566"	.300"/.320"	GM 51-On
14231	2	1/2"-20	1.615"/1.635"	.618"/.628"	.440"/.460"	Ford 62-On
14235	2	1/2"-20	1.620"/1.650"	.618"/.628"	.630"/.650"	Dodge Tk 82-69; Ford 72-65; GMC 70-60
14237	2	1/2"-20	1.435"/1.465"	.556"/.566"	.420"/.440"	Ford 75-73
14241	2	7/16"-20	1.470"/1.500"	.460"/.470"	.333"/.343"	Chrysler 76-64; GM 84-62; Jeep 82-74
14244	2	1/2"-20	1.720"/1.750"	.615"/.625"	.445"/.460"	Ford 75-On

## Wheel Nuts



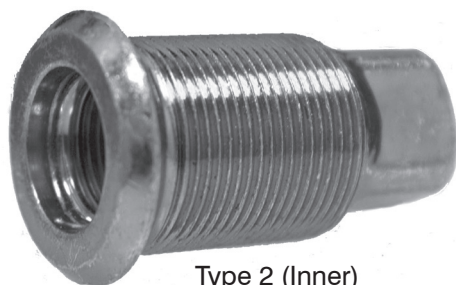
Type 1 (Outer)



Type 3  
(Stainless Steel Cap)



Type 5



Type 2 (Inner)

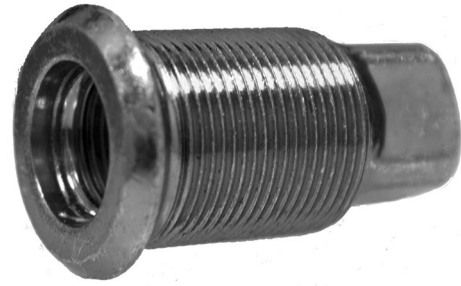
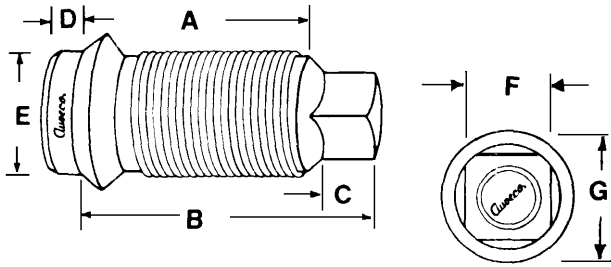


Type 4  
(Stainless Steel Cap)



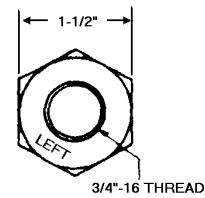
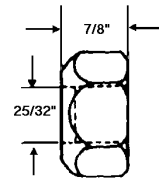
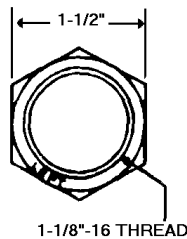
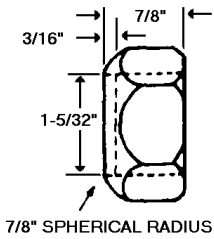
Type 6  
(Stainless Steel Cap)

Auveco Part No.	Unit Pkg.	Type	Size	Height	Hex	O.E.M No.
8742	50	1	1/2"-20	9/16"	3/4"	Chry: 2409826
8744	50	1	1/2"-20	5/8"	13/16"	GM: 413945, 516637 Ford: C0AZ-1012A
8746	50	1	7/16"-20	9/16"	3/4"	Chry: 2072728
12520	5	2	3/4"-16 L.H. (Inner) 1-1/8"-16 L.H. (Outer)	2-7/32"	13/16" Sq.	Budd: 10709
12521	5	1	1-1/8"-16 L.H.	7/8"	1-1/2"	Budd: 37892
12522	5	2	3/4"-16 (Inner) R.H. 1-1/8"-16 (Outer) R.H.	2-7/32"	13/16" Sq.	Budd: 10708
12523	5	1	1-1/8"-16	7/8"	1-1/2"	Budd: 37891
12524	5	1	3/4"-16 L.H.	7/8"	1-1/2"	Budd: 37889
12525	5	1	3/4"-16	7/8"	1-1/2"	Budd: 37888
12617	5	5	12mm-1.5	23mm	19mm	Chry: 6500092
12675	25	1	12mm-1.5	14mm	19mm	GM: 9590477
12695	5	4	12mm-1.5	34mm	19mm	GM: 10018202
12715	10	1	12mm-1.5	14mm	19mm	Chry: 6500526
14253	10	1	12mm-1.25	16mm	21mm	Nissan: 40224-21001
17353	5	6	12mm-1.5	30mm	19mm	Chry: 6502738
18163	5	4	1/2"-20	1-11/32"	3/4"	Chry: J4006956



**1-1/8" Inner Cap Nuts**  
 3/4"-16 Inner Thread; 1-1/8"-16 Outer Thread  
 Zinc Plated

Auveco Part No.	Thread Type	Description	Dimensions							Unit Pkg.
			A	B	C	D	E	F	G	
12520	LH	for Steel Wheels	1-7/16"	2-7/32"	17/32"		1-3/16"	13/16"	1-13/32"	5
12522	RH	for Steel Wheels	1-7/16"	2-7/32"	17/32"		1-3/16"	13/16"	1-13/32"	5
15004	LH	for Steel/Alum. Combo	1-15/16"	2-5/8"	19/32"		1-7/32"	13/16"	1-13/32"	5
15009	RH	for Alum. Wheels; GR 8	1-21/32"	2-21/32"	5/8"	5/16"	1-1/8"	13/16"	1-13/32"	5
15010	LH	for Alum. Wheels; GR 8	1-21/32"	2-21/32"	5/8"	5/16"	1-1/8"	13/16"	1-13/32"	5



**1-1/8" Outer Cap Nut**  
 Zinc Plated

Auveco Part No.	Description	Unit Pkg.
12521	LH	5
12523	RH	5

**3/4" Outer Cap Nut**  
 Single (3/4") Mounting Front & Rear  
 Zinc Plated

Auveco Part No.	Description	Unit Pkg.
12524	LH	5
12525	RH	5



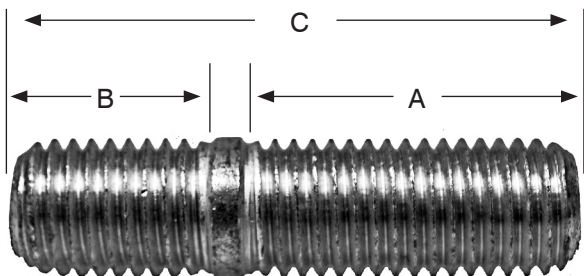
**Flange Wheel Nuts**

Auveco Part No.	Thread	Hex Size	Flange O.D.	Unit Pkg.
15011	5/8"-18(RH)	1-1/8"	1-5/8"	10



**Rim Clamp Nuts**  
 Zinc Plated

Auveco Part No.	Thread	Hex Size	Unit Pkg.
15015	3/4"-10	1-1/4"	25



**Rim Studs**  
Grade 8 • Zinc Plated

Auveco Part No.	A Dia. & Length	B Dia. & Length	C Overall Length	Unit Pkg.
<b>15017</b>	3/4"-10 USS x 1-13/16"	3/4"-10 USS x 7/8"	3"	25
<b>15018</b>	3/4"-10 USS x 1-7/8"	3/4"-10 USS x 1"	3-1/8"	25

## Truck Wheel Hardware Interchange

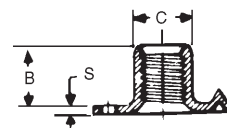
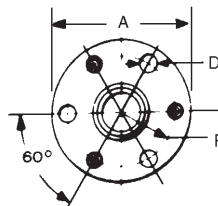
The numbers listed in this interchange are cross referenced to the closest equivalent Auveco part. In some instances the parts are not identical, however the Auveco part is designed to service the same application

Part No.	Auveco Part No.	Part No.	Auveco Part No.	Part No.	Auveco Part No.
<b>ALCOA</b>		<b>DAYTON</b>		<b>GMC</b>	
5988-L	15010	5715	15017	2201406	12522
5988-R	15009	5716	15015	2201407	12520
		6654	15016	279670L	12521
		8411	15018	279670R	12523
<b>BATCO</b>		<b>DAYTON WALTHER</b>		<b>NUTURN</b>	
13-3005-R	12522	08-853501	12523	W-5	15016
13-3008-L	15004	08-853502	12521	W-6	15017
13-3012-L	12521	08-853701	12522	W-8	15015
13-3013-L	12524	08-853702	12520	W-11	12522
13-3026-L	15010			W-12	12520
13-3026-R	15009	<b>EUCLID</b>		W-13	12523
13-6003	15017	4956-A	15017	W-14	12521
13-6005	15018	4958	15016	W-15	12525
13-8004	15015	4963	15015	W-16	12524
		5549-L	12520	W-159	15004
<b>BUDD</b>		5549-R	12522	W-246	15018
10708	12522	5552-L	12521	W-486	15009
35337	15004	5552-R	12523	W-487	15010
37888	12525	5652-L	12524		
37889	12524	5652-R	12525		
37891	12523	5706	15018		
37892	12521	5735-L	15004		
95188	15011	5735-R	15003		
		5988-L	15010		
		5988-R	15009		

**Round Base: 3 Rivet or Nail Holes for Assembly**

Material: Low Carbon Steel, Zinc Finish

For applications into materials of high density and where repeated bolt removal and replacement is expected.

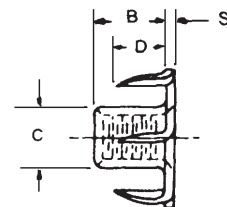
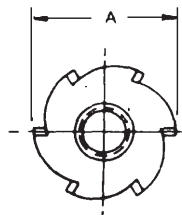


Auveco Part No.	Thread Size	A	B	C	D + .005	R	S	Unit Pkg.
<b>18341</b>	1/4"-20	3/4"	5/16"	.311/.306"	.098"	19/64"	.050"	50
<b>2262</b>	3/8"-16	1"	1/2"	.471/.466"	.145"	5/64"	.075"	100

**Claw Prongs: Round Base**

Material: Low Carbon Steel, Plain Finish

This Long Prong Teenut has six claw-like prongs that penetrate into wood, toe in, and grip so tightly that you have to drive it to back it out of its hole.

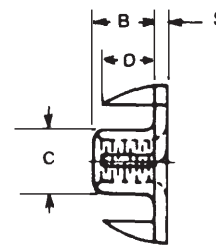
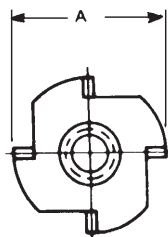


Auveco Part No.	Thread Size	A	B	C	D	S	Unit Pkg.
<b>10729</b>	10-24	3/4"	9/32"	.232/.227"	13/64"	.035"	50
<b>11324</b>	1/4"-20	3/4"	5/16"	.294/.289"	15/64"	.042"	50
<b>10730</b>	1/4"-20	3/4"	7/16"	.294/.289"	15/64"	.042"	50
<b>10731</b>	5/16"-18	7/8"	3/8"	.369/.364"	19/64"	.052"	50
<b>10732</b>	3/8"-16	1.0"	7/16"	.448/.443"	11/32"	.062"	25

**Claw Prongs: Slimline, Round Base**

Material: Low Carbon Steel, Plain Finish

Recommended where superior retention in soft wood is required.

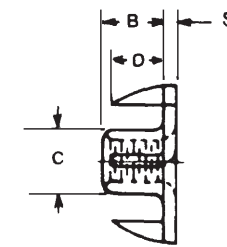
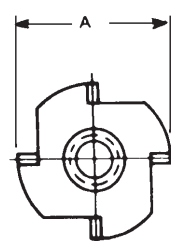


Auveco Part No.	Thread Size	A	B	C	D	S	Unit Pkg.
<b>11325</b>	1/4"-20	3/4"	5/16"	.294/.289"	15/64"	.042"	100
<b>11326</b>	5/16"-18	7/8"	3/8"	.369/.364"	19/64"	.052"	50
<b>11327</b>	3/8"-16	1.00"	7/16"	.448/.443"	11/32"	.062"	25

**Claw Prongs: Slimline, Round Base**

Material: 300 Series Stainless Steel, Plain Finish

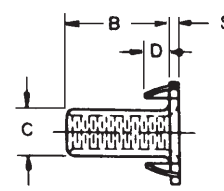
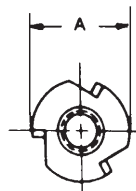
Auveco Part No.	Thread Size	A	B	C	D	S	Unit Pkg.
<b>17013</b>	1/4"-20	3/4"	5/16"	19/64"	3/16"	.047"	25



**Straight Prongs: Round Base**

Material: Low Carbon Steel, Plain Finish

This Teenut is recommended for thick material applications and applications requiring the top of the barrel to provide a bearing surface for mating parts.



Auveco Part No.	Thread Size	A	B	C	D	Type	S	Unit Pkg.
<b>11328</b>	6-32	9/16"	15/64"	.164/.157"	1/8"	3 Prongs	.020"	50
<b>11331</b>	10-32	3/4"	9/32"	.232/.227"	13/64"	3 Prongs	.035"	50
<b>11332</b>	1/4"-20	3/4"	5/16"	.311/.306"	15/64"	4 Prongs	.050"	50

# AUVECO THIN SHEET NUTSERT® INSERTS

U.S.S., S.A.E. & Metric - Steel and Aluminum

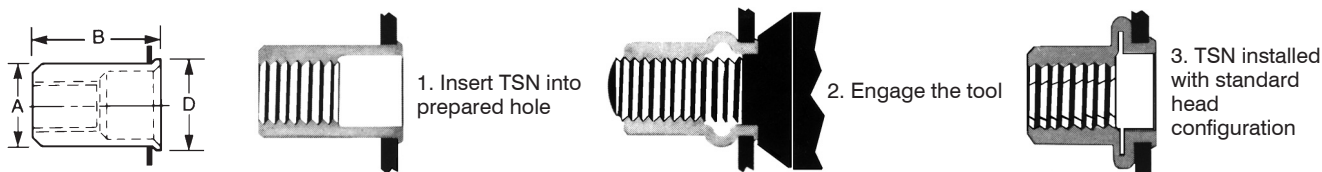
Sec. 9

## Threaded Inserts for Thin Material

The Auveco Thin Sheet Nutsert has been designed to provide a highly efficient method of securing threads from one side of the work, in materials generally too thin to support threads. Its performance has been proven in plastic, aluminum, mild steel and fiberglass. They can also withstand high loads without vibrating or loosening under extreme operating conditions. The Auveco Thin Sheet Nutsert is a tension fastener with high pull out, insuring no rotation or vibration where a cover plate is used. The system's unique blind tooling installs TSNs at consistent rates using unskilled labor.

## How it Works

The Thin Sheet Nutsert, held securely by the tool, is placed into a prepared hole. Upon the tool's actuation, the threaded portion is pulled until the fastener's wall collapses radially outward, clinching it tight against the sheet. The tool is withdrawn, leaving the Thin Sheet Nutsert ready to receive a bolt or screw. This complete operation takes only a few seconds and can be performed by anyone.



**Strength Tests:** Torque Strength: with an attaching part over the Thin Sheet Nutsert, offering a bearing surface, the TSN will remain intact past the point of the screw or bolt breaking (head torqued off). In almost all cases the threads of the TSN will remain undistorted and serviceable; an exception to this statement is when an extremely high tensile bolt is used.

**Steel:** 1010 Low Carbon Steel, Type 11 Class 3 with Zinc Plate, Clear Chromate  
**Aluminum:** Aluminum Alloy 5056, Plain Finish, Metric Class 6H, U.S. Class 2B

To set Nutserts, Use tool 11805 & Conversion Kits listed on Page 163.

## U.S.S. & S.A.E.

Auveco Part No.		Unit Pkg.	Thread Size after Installation	Recommended Grip Range	A Max.	B Max.	D Ref.	Hole Size	Drill Size
Steel	Aluminum								
11310	13476	50	6-32 U.S.S.	.020-.080"	.249"	.410"	.287"	.250-.254"	1/4"
11315	13477	100							
11311		50	8-32 U.S.S.	.020-.080"	.249"	.410"	.287"	.250-.254"	1/4"
11316		100							
11312	13480	50	10-24 U.S.S.	.020-.130"	.280"	.465"	.320"	.281-.285"	9/32"
11317	13481	100							
12978		50	10-32 S.A.E.	.020-.130"	.280"	.465"	.320"	.281-.285"	9/32"
12979		100							
11313		25	1/4"-20 U.S.S.	.030-.165"	.347"	.610"	.415"	.375-.379"	3/8"
11318		100							
11314		25	5/16"-18 U.S.S.	.040-.200"	.499"	.720"	.540"	.500-.504"	1/2"
11319		100							
16785*		15	3/8"-16 U.S.S.	.040-.200"	.499"	.720"	.540"	.500-.504"	1/2"

\*Cannot be set with Auveco tool 11805, requires pneumatic tool.

## Regular Pitch Metric

Auveco Part No.		Unit Pkg.	Thread Size after Installation	Recommended Grip Range	A Max.	B Max.	D Ref.	Hole Size	Drill Size
Steel	Aluminum								
12980		50	M4-.7	.020-.080" .508/2.030mm	.249" 6.32mm	.410" 10.41mm	.287" 7.29mm	.250-.254" 6.35mm/6.45mm	1/4"
12981		100							
12982		50	M5-.8	.020-.130" .508/3.300mm	.280" 7.11mm	.465" 11.81mm	.320" 8.13mm	.281-.285" 7.14/7.24mm	9/32"
12983		100							
12984	13494	25	M6-1.0	.030-.165" .762/4.190mm	.374" 9.50mm	.610" 15.49mm	.415" 10.54mm	.375-.379" 9.53/9.63mm	3/8"
12985	13495	100							
12986		25	M8-1.25	.040-.200" 1.020/5.080mm	.499" 12.67mm	.720" 18.29mm	.540" 13.72mm	.500-.504" 12.71/12.80mm	1/2"
12987		100							



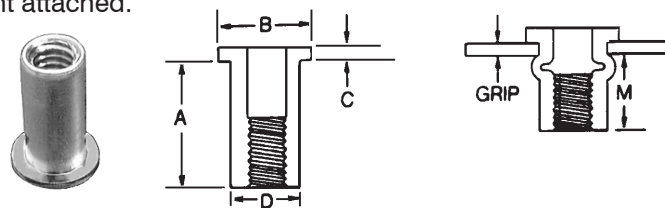
# Sec. 9

# LARGE FLANGE THIN SHEET NUTSERT® INSERTS

U.S.S., S.A.E. & Metric - Steel & Aluminum

The Large Flange system provides captive threads in materials too thin to independently support threads, or where costly tapping operations are to be eliminated. The Large Flange fastener can be used as a rivet to join materials that will ultimately have a separate component attached.

Materials: Low Carbon Steel, Zinc Plated  
(Metric: Zinc & Yellow Plated)  
Aluminum Alloy, Plain Finish



To Set 8-32, 10-24 and 10-32 Large Flange Nutserts, use tool 11805 and conversion kits listed on page 163.

Large Flange Nutserts, 1/4"-20, 5/16"-18 and 3/8"-16, require a pneumatic tool for installation. They cannot be set with 11805.

## U.S.S. & S.A.E.

Auveco Part No.		Unit Pkg.	Thread Size	Grip Range	Hole Size	A	B	C	D	M
Aluminum	Steel					+ .015	+ .015	(NOM)	+ .000 - .004	(Ref.)
<b>16177</b>	<b>16187</b>	50	8-32 U.S.S.	.010-.075"	.221-.226"	.438"	.357"	.032"	.221"	.300"
<b>16178</b>	<b>16188</b>	50	10-24 U.S.S.	.010-.080"	.250-.256"	.531"	.406"	.038"	.250"	.380"
<b>16179</b>	<b>16189</b>	50	10-24 U.S.S.	.080-.130"	.250-.256"	.594"	.406"	.038"	.250"	.390"
<b>16180</b>	<b>16190</b>	25	10-32 S.A.E.	.010-.080"	.250-.256"	.531"	.406"	.038"	.250"	.380"
<b>16182*</b>	<b>16192*</b>	25	1/4"-20 U.S.S.	.020-.080"	.332-.338"	.625"	.475"	.058"	.332"	.450"
<b>16183*</b>	<b>16193*</b>	25	1/4"-20 U.S.S.	.080-.140"	.332-.338"	.687"	.475"	.058"	.332"	.450"
<b>16184*</b>	<b>16194*</b>	25	5/16"-18 U.S.S.	.030-.125"	.413-.423"	.750"	.665"	.062"	.413"	.505"
	<b>16195*</b>	25	5/16"-18 U.S.S.	.125-.200"	.413-.423"	.875"	.665"	.062"	.413"	.555"
<b>16789*</b>		10	3/8"-16 U.S.S.	.030-.115"	.490-.500"	.844"	.781"	.088"	.490"	.585"
	<b>16788*</b>	10	3/8"-16 U.S.S.	.115-.200"	.490-.500"	.938"	.781"	.088"	.490"	.595"

\*Cannot be set with Auveco tool 11805, requires pneumatic tool

## Regular Pitch Metric

Auveco Part No.		Unit Pkg.	Thread Size	Grip Range	Hole Size	A	B	C	D	M
Aluminum	Steel					± .015	± .015	(NOM)	+ .000 - .004	(Ref.)
<b>16978</b>		25	M6-1.0	.020-.118" .5-3.0mm	.358" 9.1mm	.630" 16mm	.510" 13mm	.059" 1.5mm	.356" 9mm	.450" 11.5mm

# STAY UP TO DATE WITH US

Auveco releases new items every other week.  
Our Hot New Items bulletins can keep you up to date on all new product.

To receive these bulletins please contact customer service:  
mail@auveco.com or 1-800-354-9816

We also have all previous and current bulletins posted on [www.auveco.com](http://www.auveco.com).

# NUTSERT® INSERTS

U.S.S. & S.A.E. Thread

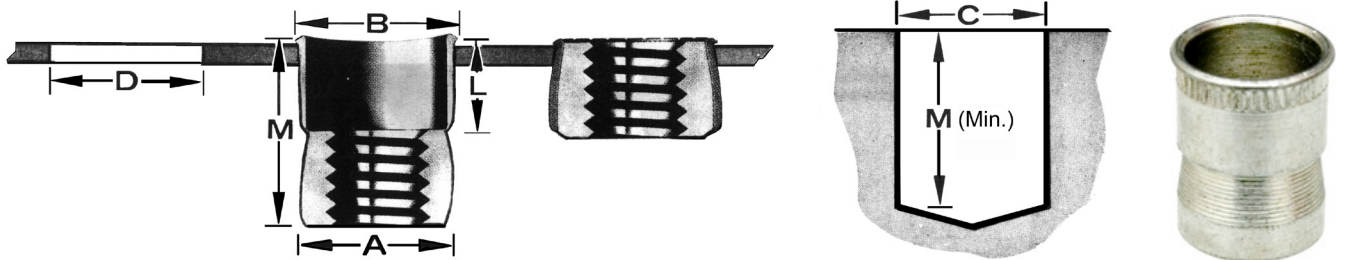
## Sec. 9

The Auveco Nutsert was developed to offer both the production-oriented designer and the engineer a unique and versatile anchor nut-type insert for high-speed installation. This Auveco system gives the designer the option to design for **blind** or **open** applications, eliminating and simplifying their design problems.

Our system provides a cost-saving method of installing clean, load-bearing steel threads in castings, fiberglass, fiberboard, plastics, wood or almost any ductile material more than .030" thick.

A simple hand tool installs the Nutsert, it is ready for use in seconds and no finishing is required after installation.

Auveco Nutsert's advanced design offers unlimited grip range in a minimum of sizes. Inventory is minimized to one body dimension per thread size; ideally suited for blind, buried and through holes. The ingenious "taper-lock" principle locks-in the Nutsert preventing spin or twist; installs in flat or curved surfaces and is self-tightening with repeated use. The unique design of the installation tool eliminates marring of the parent material surface



Material: Mild Steel, Tin Plated  
Minimum Grip: .030"

To set Nutserts use tool 11805 & Conversion Kits listed on page 163.

Auveco Part No.	Unit Pkg.	Thread (Class 2B)	A	B	L	M	C	D	Nominal Hole Size	Thousand (In lbs)
<b>10264</b>	25	6-32 U.S.S.	.218"	.238"	.185"	.370"			7/32"	1.50
<b>10265</b>	100									
<b>10266</b>	1000									
<b>10267</b>	25	8-32 U.S.S.	.249"	.264"	.185"	.370"			1/4"	2.00
<b>10268</b>	100									
<b>10269</b>	1000									
<b>10270</b>	25	10-24 U.S.S.	.280"	.300"	.185"	.370"			9/32"	2.25
<b>10271</b>	100									
<b>10272</b>	1000									
<b>10273</b>	25	10-32 S.A.E.	.280"	.300"	.185"	.370"			9/32"	2.25
<b>10274</b>	100									
<b>10275</b>	1000									
<b>10276</b>	25	1/4"-20 U.S.S.	.374"	.398"	.255"	.510"			3/8"	6.00
<b>10277</b>	100									
<b>10278</b>	1000									
<b>10279</b>	25	1/4"-28 S.A.E.	.374"	.398"	.255"	.510"			3/8"	6.00
<b>10280</b>	100									
<b>10282</b>	10	5/16"-18 U.S.S.	.499"	.524"	.305"	.610"			1/2"	12.87
<b>10283</b>	100									
<b>10284</b>	500									
<b>10285</b>	10	5/16"-24 S.A.E.	.499"	.524"	.305"	.610"			1/2"	12.87
<b>10286</b>	100									
<b>10288*</b>	10	3/8"-16 U.S.S.	.561"	.590"	.370"	.740"			9/16"	18.00
<b>10289*</b>	50									
<b>10290*</b>	100									

Diameters vary with material density in blind application

Dependent upon material thickness and application

\*Cannot be set with Auveco tool 11805, requires pneumatic tool.



**11805**

Nutsert Hand Tool  
For regular and thin sheet Nutserts  
(Does not include any conversion kits)  
Hand tool only with wrench

UNIT PACKAGE: 1

**Conversion Kits for Item 11805 Gun**

Size	Use Tool 11805 with Auveco Conversion Kit Listed
6-32 U.S.S.	<b>11807</b>
8-32 U.S.S.	<b>11808</b>
10-32 S.A.E.	<b>11809</b>
10-24 U.S.S.	<b>11810</b>
1/4"-20 U.S.S.	<b>11811</b>
1/4"-28 S.A.E.	<b>11812</b>
5/16"-18 U.S.S.	<b>11813</b>
5/16"-24 S.A.E.	<b>11814</b>
3/8"-16 U.S.S.	<b>11815</b>
M4-.7	<b>12988</b>
M5-.8	<b>12989</b>
M6-1.0	<b>12990</b>
M8-1.25	<b>12991</b>

UNIT PACKAGE: 1



**11806**

Nutsert Tool Kit in metal case  
Includes hand tool 11805, nose piece wrench, and  
conversion kits (nose piece & mandrel) for the following  
sizes: 6-32, 8-32, 10-24, 10-32, 1/4"-20 & 5/16"-18.

UNIT PACKAGE: 1

**16341**

Metric Nutsert Tool Kit in metal case  
Includes hand tool 11805, nose piece wrench, and  
conversion kits (nose piece & mandrel) for the following  
sizes: M4-.7, M5-.8, M6-1.0 (2 in kit) & M8-1.25.

UNIT PACKAGE: 1



**15544**

Mandrel Puller  
Replacement Mandrel Puller  
for Auveco 11805 Nutsert Tool  
1/4"-28 Left-Hand Thread

UNIT PACKAGE: 1

**THREAD REPAIR INSERTS**

**Professional Insert Installation Tool**



Auveco Tool No.	Installs Insert Sizes (Internal Thread)
<b>12394</b>	1/4"-20 & 1/4"-28
<b>12395</b>	5/16"-18 & 5/16"-24
<b>12396</b>	3/8"-16 & 3/8"-24
<b>12397</b>	7/16"-14 & 7/16"-20
<b>12399</b>	M5-0.8
<b>12400</b>	M6-1.0
<b>16163</b>	5/8"-11 H.D. & 5/8"-18 H.D.
<b>16164</b>	3/4"-10 H.D. & 3/4"-16 H.D.

**Economy Driver Tool**



**12404**

Will install approximately 10 Inserts.  
Use with Thinwall Inserts up to 1/2" and 10mm  
internal diameter and Heavy Duty Inserts  
up to 1/2" internal diameter

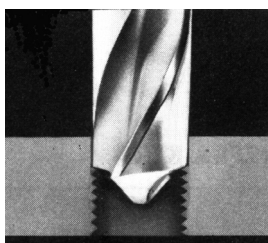
UNIT PACKAGE: 5

# THREAD REPAIR INSERTS

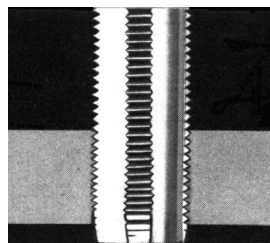
The easy way to repair stripped threads.

**Sec. 9**

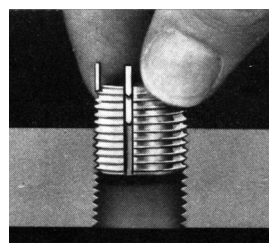
Easy installation with 4 Simple Steps. Instructions must be followed exactly.



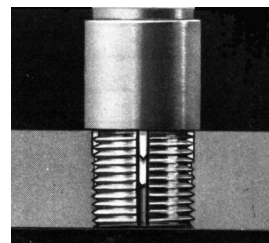
**1** Drill out old threads, using standard drill.



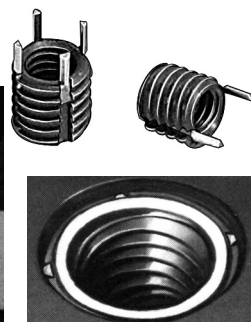
**2** Tap new threads, using standard tap.



**3** Screw in insert until slightly below surface. "Kees" act as depth stop.



**4** Drive "Kees" down with several light taps on installation tool.



**5** Installed insert.

## Features:

- Installed with standard drills and taps.
- No prewinder tool required.
- Impossible to cross thread while installing.
- No tang break-off.
- May be used in virtually any material: aluminum, magnesium, cast iron, cold rolled steel and plastic.
- Provide high strength and reliability. One length per size provides maximum pullout strength.
- Positive mechanical lock against rotation.
- Breaks Grade 8 bolts in test after test.
- Easy to remove.
- Material: Carbon Steel

## Thinwall Inserts

Auveco Part No.	Internal Thread Size (Bolt Size)	External Thread Size	Number of Kees	Insert Length	Drill Size	Tap Size	Professional Installation Tool Part No.	Inserts Per Unit Package
<b>12374</b>	10-24	5/16"-18	2	5/16"	"I"	5/16"-18		4*
<b>17515</b>								25
<b>17516</b>								50
<b>12375</b>	10-32	5/16"-18	2	5/16"	"I"	5/16"-18		4*
<b>17517</b>								25
<b>17518</b>								50
<b>12376</b>	1/4"-20	3/8"-16	2	3/8"	"Q"	3/8"-16	<b>12394</b>	4*
<b>17519</b>								25
<b>17520</b>								50
<b>12377</b>	1/4"-28	3/8"-16	2	3/8"	"Q"	3/8"-16	<b>12394</b>	4*
<b>17521</b>								25
<b>12378</b>	5/16"-18	7/16"-14	4	7/16"	"X"	7/16"-14	<b>12395</b>	4*
<b>17522</b>								25
<b>17523</b>								50
<b>12379</b>	5/16"-24	7/16"-14	4	7/16"	"X"	7/16"-14	<b>12395</b>	4*
<b>17524</b>								25
<b>12380</b>	3/8"-16	1/2"-13	4	1/2"	29/64"	1/2"-13	<b>12396</b>	3*
<b>17525</b>								25
<b>17526</b>								50
<b>12381</b>	3/8"-24	1/2"-13	4	1/2"	29/64"	1/2"-13	<b>12396</b>	3*
<b>17527</b>								25
<b>12382</b>	7/16"-14	9/16"-12	4	9/16"	33/64"	9/16"-12	<b>12397</b>	3*
<b>17528</b>								25
<b>12383</b>	7/16"-20	9/16"-12	4	9/16"	33/64"	9/16"-12	<b>12397</b>	3*
<b>17529</b>								25
<b>12384</b>	1/2"-13	5/8"-11	4	5/8"	37/64"	5/8"-11		2*
<b>17530</b>								15
<b>17531</b>								25
<b>12385</b>	1/2"-20	5/8"-11	4	5/8"	37/64"	5/8"-11		2*
<b>17532</b>								15

\*Contains Economy Drive Tool No. 12404

For an assortment of Thinwall Inserts, see Fix-Kit No. 6176

**Heavy Duty Thread Repair Inserts**

Auveco Part No.	Internal Thread Size (Bolt Size)	External Thread Size	Number of Kees	Insert Length	Drill Size	Tap Size	Professional Installation Tool Part No.†	Inserts Per Unit Package
<b>17238</b>	10-24	3/8"-16	2	.31"	"Q"	3/8"-16	◆	4
<b>17239</b>	10-32							4
<b>17241</b>	1/4"-28	7/16"-14	2	.37"	"X"	7/16"-14	◆	4
<b>17242</b>	5/16"-18	1/2"-13	4	.43"	29/64"	1/2"-13	◆	4
<b>17243</b>	5/16"-24							4
<b>17244</b>	3/8"-16	9/16"-12	4	.50"	33/64"	9/16"-12	◆	3
<b>17245</b>	3/8"-24							3
<b>17246</b>	7/16"-14	5/8"-11	4	.62"	37/64"	5/8"-11	◆	3
<b>17248</b>	1/2"-13	3/4"-16	4	.62"	45/64"	3/4"-16	◆	2
<b>17249</b>	1/2"-20							2
<b>16159</b>	5/8"-11	7/8"-14	4	.87"	53/64"	7/8"-14	<b>16163</b>	2
<b>17533</b>								15
<b>16161</b>	3/4"-10	1-1/8"-12	4	1.12"	1-1/16"	1-1/8"-12	<b>16164</b>	2
<b>17535</b>								10
<b>16162</b>	3/4"-16	1-1/8"-12	4	1.12"	1-1/16"	1-1/8"-12	<b>16164</b>	2
<b>17536</b>								10

† Not packaged with the Thread Repair Inserts

◆ Professional tool not available. Can be set with 12404 Economy Drive Tool one kee at a time.

**Metric Thread Repair Inserts®**

Auveco Part No.	Internal Thread Size (Bolt Size)	External Thread Size	Number of Kees	Insert Length	Drill Size	Tap Size	Professional Installation Tool Part No.†	Inserts Per Unit Package
<b>12386</b>	M5-0.8	M8-1.25	2	.315"	"H"	M8-1.25	<b>12399</b>	3*
<b>17537</b>								15
<b>12387</b>	M6-1.0	M10-1.25	2	.394"	"S"	M10-1.25	<b>12400</b>	3*
<b>17538</b>								15
<b>12389</b>	M8-1.0	M12-1.25	4	.472"	27/64"	M12-1.25	◆	2*
<b>17539</b>								10
<b>12390</b>	M8-1.25	M12-1.25	4	.472"	27/64"	M12-1.25	◆	2*
<b>17540</b>								10
<b>12391</b>	M10-1.25	M14-1.5	4	.551"	1/2"	M14-1.5	◆	2*
<b>17541</b>								10
<b>12392</b>	M10-1.5	M14-1.5	4	.551"	1/2"	M14-1.5	◆	2*
<b>17542</b>								10

\*Contains Economy Drive Tool 12404

† Not packaged with the Thread Repair Inserts

◆ Professional tool not available. Can be set with 12404 Economy Drive Tool one kee at a time.

**Thread Repair Insert Assortments**

<b>12405</b> Assortment Kit Contains			<b>12406</b> Assortment Kit Contains			<b>12407</b> Assortment Kit Contains		
Auveco Part No.	Qty.	Size	Auveco Part No.	Qty.	Size	Auveco Part No.	Qty.	Size
<b>12374</b>	3	10-24	<b>12375</b>	3	10-32	<b>12387</b>	2	M6-1.0
<b>12376</b>	3	1/4"-20	<b>12377</b>	3	1/4"-28	<b>12389</b>	2	M8-1.0
<b>12378</b>	3	5/16"-18	<b>12379</b>	3	5/16"-24	<b>12390</b>	2	M8-1.25
<b>12380</b>	3	3/8"-16	<b>12381</b>	3	3/8"-24	<b>12391</b>	2	M10-1.25
<b>12404</b>	2	Installation Tools	<b>12404</b>	2	Installation Tools	<b>12404</b>	1	Installation Tool



# HELICAL THREAD REPAIR INSERTS & KITS

For repairing stripped or damaged threads



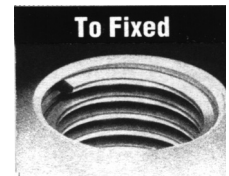
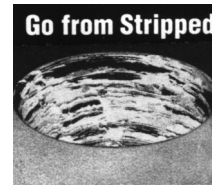
The most effective and universally accepted method of thread repair. Inserts quickly and permanently restores stripped, worn or damaged threads to their original size and condition.

Easy to use... 1: Drill 2: Tap 3: Install  
Now you're back to the original size and the original size fastener can be used.



When threads become stripped, worn or damaged for any reason, the strength and reliability are greatly reduced. When this happens on critical threaded assemblies, cars, and other types of equipment, it may become unsafe to operate.

These potentially dangerous situations are eliminated when the damaged thread is repaired with a thread repair insert. The threaded insert provides stronger, more reliable threads than the original tapped hole and at the same time eliminates the possibility of thread wear, seizing and corrosion.



Thread Size & Length	Kits		Insert		Metal Installation Tool		Tap		Required Drill Size
	Contents: Number of inserts shown, one installation tool & one tap.		Auveco Part No.	Unit Pkg.	Auveco Part No.	Unit Pkg.	Auveco Part No.	Unit Pkg.	
	Auveco Kit No.	Inserts Per Kit							

**U.S.S. COARSE THREAD (18-8 Stainless Steel)**

1/4"-20 x .375"								18597	1	17/64"
3/8"-16 x .562"	18624	10	18547	10						25/64"
7/16"-14 x .656"			18548	10						29/64"
1/2"-13 x .750"	18626	5			18576	1				17/32"

**S.A.E. FINE THREAD (18-8 Stainless Steel)**

1/4"-28 x .375"	18630	10								17/64"
5/16"-24 x .469"			18554	10						21/64"
3/8"-24 x .562"							18607	1		25/64"
1/2"-20 x .750"			18557	10						33/64"

**METRIC REGULAR PITCH (18-8 Stainless Steel)**

M8-1.25 x 12.0mm					18586	1				21/64"
M10-1.50 x 15.0mm							18613	1		13/32"

**METRIC FINE PITCH (18-8 Stainless Steel)**

M10-1.25 x 15.0mm			18563	10						13/32"
M12-1.25 x 18.0mm							18619	1		31/64"

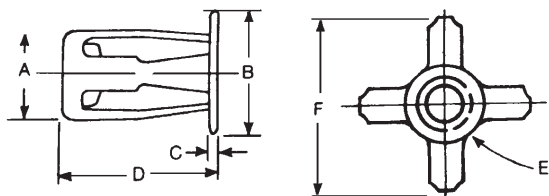
**SPARK PLUG THREAD (Mild Carbon Steel)**

M14-1.25 x 3/8"			18568	2						Do Not Drill. Use Piloted Tap
M14-1.25 x 1/2"			18569	2	18595	1				

# Sec. 9

# JACK NUTS®

Material: 1010 Steel, Zinc Plated



Auveco Part No.	Unit Pkg.	Type	Thread (E)	Body Dia. (A)	Head Dia. (B)	Cap Thick (C)	Overall Length (D)	Grip Range	Required Hole Dia.	Maximum Spread (F)**
13012	25	1	6-32	.318"	.468"	.073"	.653"	1/64"-3/16"	.315"-.330"	.660"
13014	25	1	10-24	.382"	.531"	.073"	.716"	1/64"-3/16"	.385"-.400"	.760"
13016	25	1	1/4"-20	.438"	.625"	.073"	.731"	1/64"-3/16"	.434"-.450"	.890"
13017	25	1	1/4"-20	.438"	.625"	.073"	.919"	3/16"-3/8"	.434"-.450"	.890"

## Special Purpose Jack Nuts

Auveco Part No.	O.E.M. Number	Type	Thread	Finish	O.E.M. Application	Unit Pkg.
12995	GM: 367292 Chry: 6031438	3	1/4"-20	Zinc w/Sealer	GM Mirror Mounting Nut	25
12996	GM: 367292 Chry: 6031438	3	1/4"-20	Zinc w/ Sealer	GM Mirror Mounting Nut	100
12997	GM: 1635218, 10014363	1	M6-1.0	Zinc	GM License Plate Nut	25
12999	GM: 14007940	2	M6-1.0	Zinc w/Raintite	GM "X" & "Y" Roof Rack Mounting Nut	10

## Jack Nut Installation Tools

*Photos not actual size*



### 22402

Professional Jack Nut Installation Tool

UNIT PACKAGE: 1

An economical tool for rapidly installing Jack Nuts in any material. Takes interchangeable screw rods. Just screw rod into Jack Nut, push into hole, squeeze to set and remove. Sets all size Jack Nut Threaded Inserts.

*Tool comes with 22403 (6-32 Thread) Installation Rod*

## Jack Nut Installation Rods

Use with 22402 Installation Tool



Auveco Part No.	Unit Pkg.	Thread
22403	1	6-32
22404	1	10-24
22405	1	1/4"-20
22406	1	4mm
22407	1	5mm
22408	1	6mm

### 22342

Friction Wrench



For use when installing a limited quantity of Jack Nuts. Insert the wrench between the screw and the head of the fastener, hold wrench and run in screw to set Jack Nut.

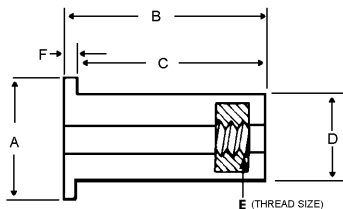
UNIT PACKAGE: 3



## Mirror Mounting Screws and Jack Nuts

For additional information refer to listings on pages 21 and 52.

Auveco Part No.	Description	Unit Pkg.
13231	1/4"-20 x 7/8" Screw (Phos.)	25
13232	1/4"-20 x 7/8" Screw (Phos.) & Jack Nut	25
14947	M6 x 26mm Screw (Chrome)	25
14976	1/4"-20 x 1-1/4" Screw (Stainless Steel)	25
14977	1/4"-20 x 1-1/4" Screw (Stainless Steel) & Jack Nut	10



WELL NUTS

Material - Neoprene with Captive Brass Nut



Auveco Part No.	Unit Pkg.	(E) Thread	(A) Head Dia.	(B) Overall Length	(C) Shank Length	(D) Shank Dia.	(F) Head Thick	Hole Size	For Wall Thickness	O.E.M. Number	O.E.M. Application
13006	25	#6-32	.452"	.499"	.437"	.312"	.062"	5/16"	.015"-.156"		
16236	25	#6-32	.554"	.981"	.946"	.240"	.035"	1/4"	.375"-.607"		
16237	25	#8-32	.438"	.499"	.447"	.312"	.052"	5/16"	.015"-.156"	Chry: 6026166 GM: 347065	Rear Compt. Cover Support
13005	25	#8-32	.750"	.575"	.500"	.312"	.062"	5/16"	.015"-.172"	GM: 14048060	License Plate
16240	25	#10-24	.562"	.767"	.580"	.375"	.187"	3/8"	.030"-.227"	GM: 3876130	Voltage Reg & Dome Light
13007	25	#10-32	.500"	.554"	.518"	.377"	.036"	3/8"	.015"-.192"		
13009	10	#10-32	.562"	.665"	.625"	.377"	.040"	3/8"	.035"-.232"	GM: 12338025	Luggage Rack
17586	15	#10-32	.750"	.703"	.625"	.375"	.078"	3/8"	.030"-.227"		
16244	25	#10-32	.750"	.807"	.620"	.375"	.187"	3/8"	.030"-.227"		
13008	10	#10-32	.562"	1.051"	1.000"	.375"	.051"	3/8"	.312"-.643"		
13004	25	1/4"-20	.625"	.641"	.594"	.500"	.051"	1/2"	.015"-.111"	GM: 528846 AMC: 4003120	Luggage Rack
16255	15	1/4"-20	.635"	.801"	.750"	.500"	.051"	1/2"	.187"-.343"		
13010	10	1/4"-20	.740"	.829"	.642"	.500"	.187"	1/2"	.031"-.187"		
16253	25	1/4"-20	.635"	1.051"	1.000"	.500"	.079"	1/2"	.250"-.457"	GM: 342271	Luggage Rack
13011	10	5/16"-18	.875"	.725"	.600"	.620"	.125"	5/8"	.015"-.187"		
16242	25	M5-.8	.500"	.554"	.518"	.375"	.036"	3/8"	.015"-.192"		
16248	25	M5-.8	.562"	.665"	.625"	.375"	.040"	3/8"	.035"-.232"	GM: 14005097	Service Part
13002	10	M6-1.0	.787"	.630"	.579"	.500"	.051"	1/2"	.015"-.094"	GM: 20130258 GM: 14002811	Station Wagon Roof Rack
13003	50									GM: 20130258 GM: 14002811	Station Wagon Roof Rack
16251	25	M6-1.0	.630"	.630"	.579"	.500"	.051"	1/2"	.015"-.111"	GM: 15505451 AMC: 8934201293	Luggage Rack License Plate
16252	25	M6-1.0	.750"	.829"	.642"	.500"	.187"	1/2"	.031"-.187"	VW: 175 820 435	Luggage Rack
16256	10	M8-1.25	.875"	.725"	.600"	.620"	.125"	5/8"	.015"-.156"	AMC: 8934201493	Radiator Brkt.

# MISSING SOMETHING?

Is there an item you are looking for that doesn't seem to be in our catalog?

We welcome all suggestions for new items to add to our expansive line of body hardware and specialty fastener selection.

Contact us at [mail@auveco.com](mailto:mail@auveco.com) or 1-800-354-9816

You can also send us all suggestions at [www.auveco.com](http://www.auveco.com)

*Photo not actual size*



**3776**

Phosphate

Stud Size: 3/32"  
Panel Range: .032"-.040"  
Fits into 1/8" Hole

UNIT PACKAGE: 100

*Photo not actual size*



**3137**

Phosphate

Stud Size: 3/32"  
Panel Range: .025"-.175"  
Fits into 1/8" Hole

UNIT PACKAGE: 100



**11293**

(375890-S102)  
Green with Sealer

Stud Size: 1/8"  
Panel Range: .035"-.045"  
Fits into 3/16" Hole

UNIT PACKAGE: 50



**13964**

Natural Nylon

Stud Size: 1/8"  
Barrel Length: 11/32"  
Head Diameter: 15/64"  
Head Thickness: 1/32"  
Fits into 11/64" Hole

UNIT PACKAGE: 50



**2595**

Phosphate

Stud Size: 1/8"  
Panel Range: .040"-.045"  
Fits into 3/16" Hole

UNIT PACKAGE: 100



**3777**

Phosphate

Stud Size: 1/8"  
Panel Range: .038"-.044"  
Fits into 5/32" Hole

UNIT PACKAGE: 100



**2611**

Phosphate

Stud Size: 1/8"  
Panel Range: .030"-.036"  
Fits into 5/32" Hole

UNIT PACKAGE: 100



**5854**

(373528-S32), (6000605)  
Phosphate

Stud Size: 1/8"  
Panel Range: .025"-.045"  
Fits into 3/16" Hole

UNIT PACKAGE: 100



**5195**

(375480-S100)  
(3783794)  
Phosphate

Stud Size: 1/8"  
Panel Range: .036"-.046"  
Fits into 1/4" Hole

UNIT PACKAGE: 100



**13965**

(4006316)  
White Nylon

Stud Size: 5/32"  
Barrel Length: 1/4"  
Head Diameter: 1/4"  
Head Thickness: 1/32"  
Fits into 3/16" Hole

UNIT PACKAGE: 100



**8545**

Phosphate

Stud Size: 5/32"  
Panel Range: .062"-.068"  
Fits into 7/32" Hole

UNIT PACKAGE: 100



**8546**

Phosphate

Stud Size: 5/32"  
Panel Range: .049"-.055"  
Fits into 7/32" Hole

UNIT PACKAGE: 100



**10073**

(6000558)  
Phosphate

Stud Size: 3/16"  
Panel Range: .038"-.044"  
Fits into 7/32" Hole

UNIT PACKAGE: 100

# TUBULAR TYPE AND FLAT NUTS

Listed by Stud Size

Sec. 9



**13966**  
(8934-201-767)  
Black Nylon

Stud Size: 3/16"  
Barrel Length: 17/64"  
Head Diameter: 5/16"  
Head Thickness: 1/32"  
Fits into 17/64" Hole

UNIT PACKAGE: 100



**5196**  
(354341-S)  
Phosphate

Stud Size: 1/4"  
Panel Range: .034"-.040"  
Fits into 9/32" Hole

UNIT PACKAGE: 100



**8578**  
White Nylon

Thread Screw Size: #10  
Fits into 5/16" Hole

UNIT PACKAGE: 50



**19537**  
(6000258)  
Phosphate

Stud Size: 1/4"  
Panel Range: .030"-.034"  
Fits into 5/16" Hole

UNIT PACKAGE: 50

## FLAT NUTS

### For Screws



**1896**  
Phosphate

7/32" x 3/8"  
Machine Screw Size: #2-56

UNIT PACKAGE: 100



**2089**  
Phosphate

5/16" x 1/2"  
Machine Screw Size: #6-32

UNIT PACKAGE: 100



**1898**  
Phosphate

1/2" x 7/8"  
Machine Screw Size: #6-32

UNIT PACKAGE: 100



**5563**  
Phosphate

13/32" x 5/8"  
Tapping Screw Size: No. 8

UNIT PACKAGE: 100



**3793**  
Phosphate

13/32" x 5/8"  
Tapping Screw Size: No. 8

UNIT PACKAGE: 100

### For Screws



**1899**  
Phosphate

1/2" x 7/8"  
Machine Screw Size: #8-32

UNIT PACKAGE: 100



**2091**  
Phosphate

5/16" x 1/2"  
Machine Screw Size: #8-32

UNIT PACKAGE: 100



**1900**  
Phosphate

1/2" x 7/8"  
Tapping Screw Size: #10

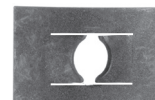
UNIT PACKAGE: 100



**2092**  
Phosphate

7/16" x 3/4"  
Machine Screw Size: #10-24

UNIT PACKAGE: 100



**1912**  
Phosphate

1/2" x 3/4"  
Tapping Screw Size: #12

UNIT PACKAGE: 100



**For Screws**



**1903**

Phosphate

9/16" x 1"  
Machine Screw Size: 1/4"-20

UNIT PACKAGE: 100

**For Studs**



**2098**

Phosphate

7/32" x 3/8"  
Stud Size: 1/16"

UNIT PACKAGE: 100



**2100**

Phosphate

1/4" x 7/16"  
Stud Size: 3/32"

UNIT PACKAGE: 100



**1906**

Phosphate

7/32" x 7/16"  
Stud Size: .100" or 3/32"

UNIT PACKAGE: 100



**2099**

Phosphate

5/16" x 9/16"  
Stud Size: 1/8"

UNIT PACKAGE: 100



**2102**

Phosphate

3/8" x 9/16"  
Stud Size: 5/32"

UNIT PACKAGE: 100

**For Studs**



**1905**

Phosphate

7/16" x 3/4"  
Stud Size: 5/32"

UNIT PACKAGE: 100



**2426**

Phosphate

3/8" x 5/8"  
Stud Size: 3/16"

UNIT PACKAGE: 100



**2103**

Phosphate

3/8" x 5/8"  
Stud Size: 3/16"

UNIT PACKAGE: 100



**2105**

Phosphate

7/16" x 5/8"  
Stud Size: 1/4"

UNIT PACKAGE: 100



**3138**

Phosphate

1/2" x 11/16"  
Stud Size: 5/16"

UNIT PACKAGE: 100

**All items available in bulk quantities.**

**Call customer service  
1-800-354-9816  
for a price quote**



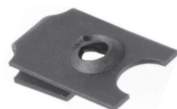
**9625**  
Phosphate  
Screw Size: #6  
Panel Range: .090" - .110"  
Center of Hole to Edge: 9/32"  
UNIT PACKAGE: 100



**21007**  
Phosphate  
Screw Size: #6-32  
Panel Range: .045" - .062"  
Center of Hole to Edge: 5/16"  
UNIT PACKAGE: 50



**5571**  
Phosphate  
Screw Size: #8  
Panel Range: .025" - .040"  
Center of Hole to Edge: 1/4"  
UNIT PACKAGE: 100



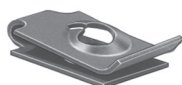
**5836**  
Phosphate  
Screw Size: #8  
Panel Range: .025" - .035"  
Center of Hole to Edge: 3/8"  
UNIT PACKAGE: 100



**2346**  
Phosphate  
Screw Size: #8  
Panel Range: .025" - .040"  
Center of Hole to Edge: 9/32"  
UNIT PACKAGE: 100



**3796**  
(9428481)  
Phosphate  
Screw Size: #8  
Panel Range: .025" - .040"  
Center of Hole to Edge: 1/4"  
UNIT PACKAGE: 100



**10666**  
Phosphate  
Screw Size: #8  
Panel Range: .025" - .035"  
Center of Hole to Edge: 11/32"  
UNIT PACKAGE: 100



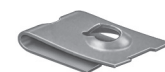
**11292**  
(445429, 9422552)  
Phosphate  
Screw Size: #8  
Panel Range: .045" - .062"  
Center of Hole to Edge: 3/8"  
UNIT PACKAGE: 50



**11768**  
(388248-S-36B)  
Phosphate  
Screw Size: #8  
Panel Range: .075" - .090"  
Center of Hole to Edge: 9/32"  
UNIT PACKAGE: 50



**19826**  
(382163-S)  
Phosphate  
Screw Size: #8  
Panel Range: .145" - .160"  
Center of Hole to Edge: 9/32"  
**Replaces Auveco 11063**  
UNIT PACKAGE: 50



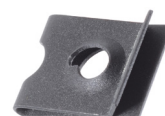
**8337**  
Phosphate  
Screw Size: #8-18  
Panel Range: .025" - .040"  
Center of Hole to Edge: 3/8"  
UNIT PACKAGE: 50



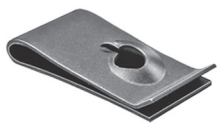
**14822**  
(25527289)  
Phosphate  
Screw Size: M4.2-1.41 (#8)  
Panel Range: .094" - .109"  
Center of Hole to Edge: 7/32"  
UNIT PACKAGE: 50



**14814**  
(N803183-S32)  
Phosphate  
Screw Size: M4.2-1.41 (#8)  
Panel Range: .094" - .156"  
Center of Hole to Edge: 1/2"  
UNIT PACKAGE: 25



**18208**  
Phosphate  
Screw Size: #10  
Panel Range: .015" - .085"  
Center of Hole to Edge: 11/32"  
UNIT PACKAGE: 100



**11429**

Phosphate

Screw Size: #10  
Panel Range: .015"-.060"  
Center of Hole to Edge: 15/32"

UNIT PACKAGE: 50



**2303**

Phosphate

Screw Size: #10  
Panel Range: .027"-.045"  
Center of Hole to Edge: 3/16"

UNIT PACKAGE: 100



**3797**

Phosphate

Screw Size: #10  
Panel Range: .045"-.062"  
Center of Hole to Edge: 13/32"

UNIT PACKAGE: 100

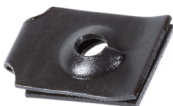


**1913**

Phosphate

Screw Size: #10  
Panel Range: .020"-.051"  
Center of Hole to Edge: 15/32"

UNIT PACKAGE: 50



**3770**

Phosphate

Screw Size: #10  
Panel Range: .030"-.037"  
Center of Hole to Edge: 3/8"

UNIT PACKAGE: 100



**2422**

Phosphate

Screw Size: #10  
Panel Range: .025"-.064"  
Center of Hole to Edge: 3/8"

UNIT PACKAGE: 100



**5576**

Phosphate

Screw Size: #10  
Panel Range: .045"-.062"  
Center of Hole to Edge: 13/32"

UNIT PACKAGE: 100



**8341**

Phosphate

Screw Size: #10  
Panel Range: .025"-.060"  
Center of Hole to Edge: 11/32"

UNIT PACKAGE: 100

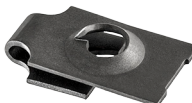


**5197**

Phosphate

Machine Screw Size: #10-24  
Panel Range: .045"-.062"  
Center of Hole to Edge: 9/16"

UNIT PACKAGE: 100



**2057**

Phosphate

Screw Size: #14  
Panel Range: .032"-.040"  
Center of Hole to Edge: 1/2"

UNIT PACKAGE: 100



**2420**

Phosphate

Screw Size: #14  
Panel Range: .028"-.056"  
Center of Hole to Edge: 15/32"

UNIT PACKAGE: 100



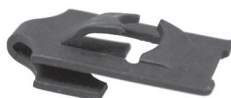
**2293**

(9431647)

Phosphate

Machine Screw Size: 1/4"-20  
Panel Range: .064"-.125"  
Center of Hole to Edge: 9/16"

UNIT PACKAGE: 100



**1907**

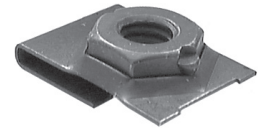
Phosphate

Tapping Screw Size: 5/16"-10  
Panel Range: .032"-.064"  
Center of Hole to Edge: 1/2"

UNIT PACKAGE: 50

## J TYPE CAGE NUTS

Phosphate Finish



Auveco Part No.	Screw Size	Panel Range	Center of Hole to Edge	Unit Pkg.
<b>5586</b>	1/4"-20 USS	.032/.093"	1/2"	50
<b>3616</b>	5/16"-18 USS	.087"-.093"	9/16"	25
<b>5589</b>	5/16"-18 USS	.087"-.093"	9/16"	50
<b>5170</b>	3/8"-16 USS	.050/.090"	9/16"	25

## SPRING TYPE U-NUTS



### 10064

Phosphate

Screw Size: #6  
Panel Range: .025"-.125"  
Center of Hole to Edge: 3/8"

UNIT PACKAGE: 50



### 10065

Phosphate

Screw Size: #8  
Panel Range: .025"-.125"  
Center of Hole to Edge: 3/8"

UNIT PACKAGE: 25

### 16267

Same as 10065 except for unit package quantity

UNIT PACKAGE: 100



### 9880

(9424837, 9431530; 381818-S2)  
Phosphate

Screw Size: #8  
Panel Range: .025"-.150"  
Center of Hole to Edge: 3/8"  
GM, Ford

UNIT PACKAGE: 100



### 9879

(9440178, 11504531; 381863-S2)  
Phosphate

Screw Size: #8  
Panel Range: .025"-.150"  
Center of Hole to Edge: 5/8"  
GM, Ford

UNIT PACKAGE: 100



### 20582

(9433156)  
Phosphate

Screw Size: #8  
Panel Range: .125"-.250"  
Center of Hole to Edge: 3/8"  
GM

UNIT PACKAGE: 100



### 10066

Phosphate

Screw Size: #10  
Panel Range: .025"-.125"  
Center of Hole to Edge: 11/32"

UNIT PACKAGE: 25



### 15752

Phosphate

Screw Size: #10  
Panel Range: .025"-.150"  
Center of Hole to Edge: 9/16"

UNIT PACKAGE: 50



### 9881

(9425491)  
Phosphate

Screw Size: #14  
Panel Range: .025"-.150"  
Center of Hole to Edge: 5/16"  
GM

UNIT PACKAGE: 100



### 10067

Phosphate

Screw Size: #14  
Panel Range: .025"-.125"  
Center of Hole to Edge: 3/8"

UNIT PACKAGE: 25



**14526**  
(N802538-S100)  
Green Phosphate

Screw Size: #8  
Panel Range: 1/16"-5/32"  
Center of Hole to Edge: 5/16"  
Width: 17/32", Length: 51/64"  
Ford

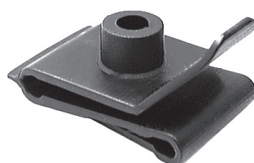
UNIT PACKAGE: 50



**14527**  
(10041588, 25530441)  
Phosphate

Screw Size: #8  
Panel Range: 1/16"-3/16"  
Center of Hole to Edge: 19/32"  
Width: 35/64", Length: 1-1/32"  
GM

UNIT PACKAGE: 50



**14750**  
(Toyota: 53879-14010-A,  
53879-14020, 53879-22030;  
GM: 94841226;  
Mazda: LA01-56-135)

Nylon U-Nut Fender/  
Wheel Housing Applications  
Screw Size: #10  
Panel Range: Up to 1mm  
Center of Hole to Edge: 11mm  
Width: 20mm, Length: 31mm  
Toyota, Geo Prizm, Nova & Mazda

UNIT PACKAGE: 15

**19669**

Same as 14750 except for unit package quantity

UNIT PACKAGE: 25



**20956**  
(90467-05114)  
Black Nylon

Bumper & Fender Apron  
Nylon U-Nut  
Screw Size: M5.5 (#12)  
Center of Hole to Edge: 14mm  
Panel Range: Up to 1mm  
Width: 20mm, Length: 36mm  
Lexus & Toyota

UNIT PACKAGE: 10



**19162**  
(1638575, 25512688)  
Zinc

Screw Size: M4.2 (#8)  
Panel Range: .035"-.049"  
Center of Hole to Edge: 9/16"  
GM

UNIT PACKAGE: 25



**19163**  
Zinc

3 Position U-Nut  
Screw Size: M4.2 (#8)  
Panel Range: Up to 3/32"  
Center of Hole to Edge: 15/32"  
Width: 27/32", Length: 7/8"

UNIT PACKAGE: 25



**19164**  
Phosphate

4 Position U-Nut  
Screw Size: M4.2 (#8)  
Panel Range: Up to 5/32"  
Center of Hole to Edge: 7/16"  
Width: 15/16", Length: 29/32"

UNIT PACKAGE: 25



**19165**  
Phosphate

Multi-Position U-Nut  
Screw Size: M4.2 (#8)  
Panel Range: Up to 5/64"  
Center of Hole to Edge: 25/64"  
Width: 3/4", Length: 11/16"

UNIT PACKAGE: 25



**19166**  
(1260888, 25556911)  
Phos. & Blue

Multi-Position U-Nut  
Screw Size: M4.2 (#8)  
Panel Range: 1/16"-5/64"  
Center of Hole to Edge: 7/16"  
Windshield Defroster Nozzle & Various  
Instrument Panel Applications  
GM 1984 - On

UNIT PACKAGE: 25



# EXTRUDED U-NUTS

Fold Over Nuts

Sec. 9



**10048**

(45262)  
Phosphate

Screw Size: #8-32  
Panel Range: .025"-.150"  
Center of Hole to Edge: 3/8"  
Ford

UNIT PACKAGE: 50



**8375**

(152266)  
Phosphate

Screw Size: 5/16"-18  
Panel Range: .025"-.060"  
Center of Hole to Edge: 9/16"  
GM

UNIT PACKAGE: 50



**18898**

(45262)  
Phosphate

Screw Size: #8-32  
Panel Range: .079"-.118"  
Center of Hole to Edge: 3/8"  
Ford

UNIT PACKAGE: 50

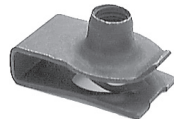


**10053**

(Chry: 6023171; Ford: 45264)  
Phosphate

Screw Size: 5/16"-18  
Panel Range: .025"-.150"  
Center of Hole to Edge: 9/16"  
Ford

UNIT PACKAGE: 50

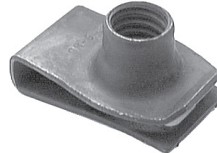


**15677**

(152273)

Phosphate  
Screw Size: #10-24  
Panel Range: .025"-.125"  
Center of Hole to Edge: 15/32"  
GM

UNIT PACKAGE: 50



**12265**

(45264-S2)  
Phosphate

Screw Size: 5/16"-18  
Panel Range: .040"-.125"  
Center of Hole to Edge: 9/16"  
Ford

UNIT PACKAGE: 50



**8359**

(1480627, 1494252)  
Phosphate

Screw Size: 1/4"-20  
Panel Range: .025"-.150"  
Center of Hole to Edge: 17/32"  
GM

UNIT PACKAGE: 50

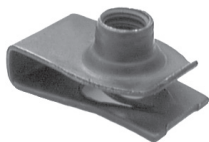


**8377**

(1480909)  
Phosphate

Screw Size: 5/16"-18  
Panel Range: .060"-.090"  
Center of Hole to Edge: 9/16"  
GM

UNIT PACKAGE: 50

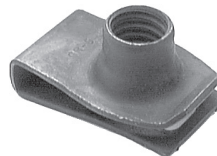


**10050**

(45263-S2)  
Phosphate

Screw Size: 1/4"-20  
Panel Range: .025"-.150"  
Center of Hole to Edge: 17/32"  
Ford

UNIT PACKAGE: 25

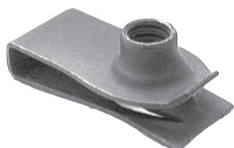


**8372**

(152267)  
Phosphate

Screw Size: 5/16"-18  
Panel Range: .120"-.150"  
Center of Hole to Edge: 9/16"  
GM

UNIT PACKAGE: 50



**10051**

(45267; 1494257)  
Phosphate

Screw Size: 1/4"-20  
Panel Range: .025"-.150"  
Center of Hole to Edge: 25/32"  
Ford, GM

UNIT PACKAGE: 50



**10830**

(1494253)  
Phosphate

Screw Size: 5/16"-18  
Panel Range: .025"-.150"  
Center of Hole to Edge: 9/16"  
GM

UNIT PACKAGE: 50

**EXTRUDED U-NUTS**

Fold Over Nuts



**8814**

(1494258; 379831-S)  
Phosphate

Screw Size: 5/16"-18  
Panel Range: .025"-.150"  
Center of Hole to Edge: 27/32"  
GM & Ford

UNIT PACKAGE: 25



**10052**

(10008002; 45268-S2)  
Phosphate

Screw Size: 5/16"-18  
Panel Range: .025"-.150"  
Center of Hole to Edge: 7/8"  
GM & Ford

UNIT PACKAGE: 25



**10054**

(1494254, 12337873, 45265-S2)  
Phosphate

Screw Size: 3/8"-16  
Panel Range: .050"-.200"  
Center of Hole to Edge: 3/4"  
GM & Ford

UNIT PACKAGE: 25



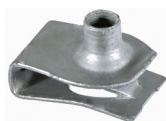
**10055**

(45269)  
Phosphate

Screw Size: 3/8"-16  
Panel Range: .050"-.200"  
Center of Hole to Edge: 1-1/8"  
Ford

UNIT PACKAGE: 25

**Metric Extruded U-Nuts**



**18337**

(GM: 11500654;  
Ford: N623330-S2)  
Zinc Organic

Screw Size: M4-.7  
Panel Range: .60mm-3.8mm (.024"-.150")  
Center of Hole to Edge: 9.5mm (3/8")  
GM & Ford

UNIT PACKAGE: 50



**11625**

(11500655)  
Phosphate

Screw Size: M4-.7  
Panel Range: .80mm-4.00mm (.030"-.160")  
Center of Hole to Edge: 13.5mm (17/32")  
GM

UNIT PACKAGE: 50



**20339**

(11516397)  
Zinc Organic

Locking Thread  
Screw Size: M4.2-1.41 (#8)  
Panel Range: .5mm-2.0mm (.020"-.079")  
Center of Hole to Edge: 10mm (25/64")  
GM

UNIT PACKAGE: 50

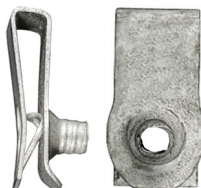


**21040**

(11513599)  
Zinc Organic

Locking Thread  
Screw Size: M4.2-1.41 (#8)  
Panel Range: .65mm-3.8mm (.025"-.150")  
Center of Hole to Edge: 9.5mm (3/8")  
GM

UNIT PACKAGE: 25

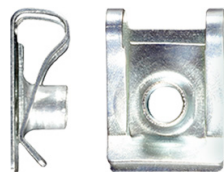


**22074**

(GM: 11515638)  
Zinc Organic

Locking Thread  
Metric Extruded U-Nut  
Screw Size: M4.2-1.41 (#8)  
Panel Range: .65mm-3.80mm (.025"-.150")  
Center of Hole to Edge: 15mm  
GM

UNIT PACKAGE: 25



**22113**

(BMW: 51127070202;  
VW: N90168602)  
Zinc Finish

Metric Extruded U-Nut  
Screw Size: M5-.8  
Panel Range: .45mm - 1.5mm  
Center of Hole to Edge: 11.5mm  
BMW 1999 - 1992  
VW 1993 - On

UNIT PACKAGE: 25



**18338**

(GM: 11505596; Ford: N623331-S2)  
Phosphate

Screw Size: M5-.8  
Panel Range: .60mm-3.8mm (.024"-.150")  
Center of Hole to Edge: 11mm (7/16")  
GM, Ford

UNIT PACKAGE: 50

# EXTRUDED U-NUTS

## Fold Over Nuts

Sec. 9



**11626**

(11500657)  
Phosphate

Screw Size: M5-.8  
Panel Range: .80mm-4.00mm (.030"-.160")  
Center of Hole to Edge: 15.8mm (5/8")  
GM

UNIT PACKAGE: 50



**21540**

(GM: 24449408)  
Orange Nylon

Screw Size: M5.5 (#12)  
Panel Range: Up to 2mm (.079")  
Center of Hole to Edge: 12mm (15/32")  
GM & Saab

Use with Auveco 21541

UNIT PACKAGE: 25



**16846**

(6502152)  
Phosphate

Tri-Lobular Locking Thread  
Screw Size: M6-1.0  
Panel Range: .80mm-4.00mm (.030"-.160")  
Center of Hole to Edge: 12mm (15/32")  
Chrysler

UNIT PACKAGE: 50



**16842**

(11504047; N802331-S53)  
Phosphate

Screw Size: M6-1.0  
Panel Range: 3.4mm-6.3mm (.140"-.250")  
Center of Hole to Edge: 13.5mm (17/32")  
GM & Ford

UNIT PACKAGE: 25



**18449**

(6101308)  
Phosphate

Locking Thread  
Screw Size: M6-1.0  
Panel Range: .80mm-4.00mm (.030"-.160")  
Center of Hole to Edge: 13.5mm (17/32")  
Chrysler

UNIT PACKAGE: 50



**11864**

(11503714, 11503716)  
Phosphate

Screw Size: M6-1.0  
Panel Range: .80mm-4.00mm (.030"-.160")  
Center of Hole to Edge: 13.5mm (17/32")  
GM

UNIT PACKAGE: 50

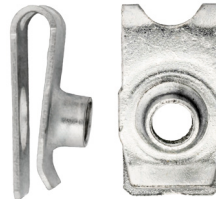


**12669**

1016937, 11503957; 12337917  
N623332-S2, -S53 & -S100;  
W5220822-S426)  
Phosphate

Screw Size: M6-1.0  
Panel Range: .80mm-4.00mm (.030"-.160")  
Center of Hole to Edge: 13.5mm (17/32")  
GM, Ford

UNIT PACKAGE: 25



**22105**

(Honda: 90675-SA5-003)  
Zinc

Metric Extruded U-Nut  
Screw Size: M6-1.0  
Panel Range: 2mm - 4mm  
Center of Hole to Edge: 14.5mm (9/16")  
Acura 2007 - 1998; Honda 2014 - 1983

UNIT PACKAGE: 25



**12666**

(11504978)  
Zinc Organic

Screw Size: M6-1.0  
Panel Range: 3.4mm-6.3mm (1.35"-.250")  
Center of Hole to Edge: 14.5mm (9/16")  
GM

UNIT PACKAGE: 25



**20416**

(11516372)  
Zinc Organic

Screw Size: M6-1.0  
Panel Range: 2.0mm-5.0mm (.079" - .197")  
Center of Hole to Edge: 14.5mm (9/16")  
GM

UNIT PACKAGE: 25

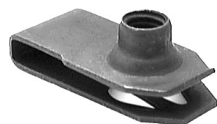


**12575**

(11503715, 11508241,  
11609385)  
Phosphate

Screw Size: M6-1.0  
Panel Range: .80mm-4.0mm (.030"-.160")  
Center of Hole to Edge: 19.5mm (25/32")  
GM

UNIT PACKAGE: 25



**16322**

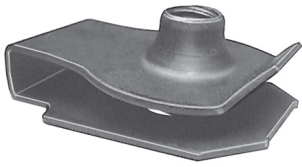
(14040999)  
Phosphate

Screw Size: M6-1.0  
Panel Range: 1.0mm-2.5mm (.045"-.095")  
Center of Hole to Edge: 19.5mm (25/32")  
GM

UNIT PACKAGE: 50

**EXTRUDED U-NUTS**

Fold Over Nuts



**19480**  
(N805889-S100)  
Phosphate

Screw Size: M6-1.0  
Panel Range: 4.3mm-5.6mm  
(.172"-.219")

Center of Hole to Edge: 21mm (13/16")  
Ford

UNIT PACKAGE: 15



**11630**  
(11500661, 11503317,  
11516150;  
N623343-S2 & S100)  
Phosphate

Screw Size M8-1.25  
Panel Range: .80mm-4.00mm (.030"-.160")  
Center of Hole to Edge: 20mm (13/16")  
GM, Ford

UNIT PACKAGE: 25



**11627**  
(11502785, 11504035)  
Phosphate

Screw Size: M6.3-1.0  
Panel Range: .80mm-4.00mm (.030"-.160")  
Center of Hole to Edge: 13.5mm (17/32")  
GM

UNIT PACKAGE: 25



**19644**  
(10084751)  
Phosphate

Screw Size: M8-1.25  
Panel Range: 1.7mm-5.5mm (.067"-.217")  
Center of Hole to Edge: 28.5mm (1-1/8")  
GM

UNIT PACKAGE: 15



**11628**  
(9433043, 11500658)  
Phosphate

Screw Size: M6.3-1.0  
Panel Range: .80mm-4.00mm (.030"-.160")  
Center of Hole to Edge: 13.5mm (17/32")  
GM

UNIT PACKAGE: 25



**18401**  
(N801117-S100)  
Black Phosphate

Locking Thread  
Screw Size: M8-1.25  
Panel Range: 4mm-7mm (.157"-.276")  
Center of Hole to Edge: 21mm (13/16")  
Ford

UNIT PACKAGE: 25



**11631**  
(11500662, 22531616)  
Phosphate

Screw Size: M10-1.50  
Panel Range: 1.0mm-6.0mm  
(.040"-.230")  
Center of Hole to Edge: 19mm (3/4")  
GM

UNIT PACKAGE: 25



**12667**  
(11503455, 11504288)  
Zinc Organic

Screw Size: M8-1.25  
Panel Range: 1.50mm-5.50mm  
(.060"-.216")  
Center of Hole to Edge: 14.5mm (9/16")  
GM

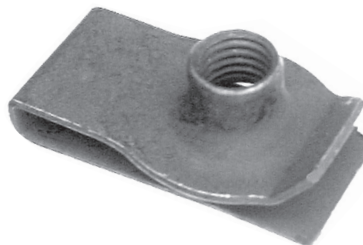
UNIT PACKAGE: 25



**11629**  
(11500660, 11502617;  
N623333-S2; 6101283)  
Phosphate

Screw Size: M8-1.25  
Panel Range: .80mm-4.00mm (.030"-.160")  
Center of Hole to Edge: 14.5mm (9/16")  
GM, Ford, Chrysler

UNIT PACKAGE: 25



**18339**  
(GM: 11500663;  
Ford: N623344-S2)  
Phosphate

Screw Size: M10-1.5  
Panel Range: 1.5mm-5.5mm (.060"-.215")  
Center of Hole to Edge: 28mm (1-3/32")  
GM, Ford

UNIT PACKAGE: 25





## Countersunk Type Washers

Screw Size	I.D.	O.D.	Nickel Plated Brass			Black Zinc Plated Brass		Plain Brass	
			Unit Pkg. 100	Unit Pkg. 144	Unit Pkg. 1000	Part No.	Unit Pkg.	Part No.	Unit Pkg.
#4	9/64"	3/8"	<b>612</b>		<b>7613</b>				
#6	11/64"	7/16"	<b>614</b>	<b>7143</b>	<b>7615</b>	<b>16011</b>	100		
#8	13/64"	1/2"	<b>616</b>	<b>7145</b>	<b>7616</b>	<b>16012</b>	100		
#10	1/4"	19/32"	<b>618</b>	<b>7147</b>	<b>7618</b>	<b>16013</b>	100	<b>16593</b>	100
#12	9/32"	11/16"	<b>619</b>	<b>7148</b>					



## Flanged Type Countersunk Washers

Screw Size	I.D.	O.D.	Nickel on Brass Part No.	Black Zinc on Brass Part No.	Stainless Steel Part No.	Unit Pkg.
#6	5/32"	1/2"	<b>3469</b>		<b>3470</b>	100
#8	13/64"	5/8"	<b>2515</b>	<b>16009</b>	<b>2597</b>	100
#10	1/4"	11/16"	<b>3471</b>		<b>3472</b>	100

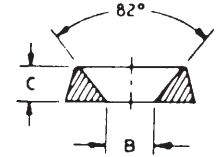
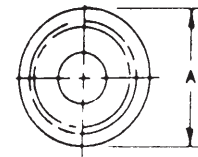


## Flush Type Washers Nickel Plated on Brass

Unit Pkg. 100	Unit Pkg. 144	Unit Pkg. 1000	Screw Size	I.D.	O.D.
<b>602</b>	<b>7137</b>	<b>7624</b>	#6	5/32"	11/32"
<b>604</b>	<b>7138</b>	<b>7625</b>	#8	3/16"	3/8"
<b>16015</b>		<b>16016</b>	#10	13/64"	15/32"

## Nylon Finishing Washers

Available in natural or black nylon.  
 These molded washers protect cabinets from scratching, cover misaligned holes, etc.  
 May also be used as guides, bumpers and spacers.



Auveco Part No.	Screw Size	O.D. (A)	I.D. (B)	Thickness (C)	Color	Unit Pkg.
<b>13717</b>	#6	.437" (11.10mm)	.143" (3.63mm)	.100" (2.54mm)	Black	50
<b>13718</b>	#8	.515" (13.08mm)	.171" (4.34mm)	.115" (2.92mm)	Natural	50
<b>13719</b>	#8	.515" (13.08mm)	.171" (4.34mm)	.115" (2.92mm)	Black	50
<b>13720</b>	#10	.580" (14.73mm)	.191" (4.85mm)	.152" (3.86mm)	Natural	50
<b>13721</b>	#10	.580" (14.73mm)	.191" (4.85mm)	.152" (3.86mm)	Black	50
<b>13723</b>	#12	.609" (15.47mm)	.225" (5.72mm)	.160" (4.06mm)	Black	50
<b>13724</b>	#14	.683" (17.35mm)	.251" (6.38mm)	.183" (4.65mm)	Natural	50
<b>13725</b>	#14	.683" (17.35mm)	.251" (6.38mm)	.183" (4.65mm)	Black	50



## USS (Wrought) Washers

Bolt Size	I.D.	O.D.	Thick-ness	Zinc Part No.	Plain Part No.	Unit Pkg.
3/16"	1/4"	9/16"	3/64"	<b>8605</b>		100
1/4"	5/16"	3/4"	1/16"	<b>8606</b>	<b>3929</b>	100
5/16"	3/8"	7/8"	1/16"	<b>8607</b>	<b>3930</b>	100
3/8"	7/16"	1"	5/64"	<b>8608</b>	<b>3931</b>	100
7/16"	1/2"	1-1/4"	5/64"	<b>8609</b>	<b>3932</b>	100
1/2"	9/16"	1-3/8"	7/64"	<b>8610</b>	<b>3933</b>	100
9/16"	5/8"	1-1/2"	7/64"	<b>8611</b>		100
5/8"	11/16"	1-3/4"	9/64"	<b>8612</b>	<b>3935*</b>	50
3/4"	13/16"	2"	5/32"	<b>8613</b>		50

\* Unit package quantity is 100



## SAE Washers Zinc

Auveco Part No.	Bolt Size	I.D.	O.D.	Thick-ness	Unit Pkg.
<b>3984</b>	#6 (1/8")	5/32"	3/8"	3/64"	100
<b>16721</b>	#8 (5/32")	3/16"	7/16"	3/64"	100
<b>3985</b>	#10 (3/16")	7/32"	1/2"	1/16"	100
<b>3986</b>	1/4"	9/32"	5/8"	1/16"	100
<b>3987</b>	5/16"	11/32"	11/16"	1/16"	100
<b>3988</b>	3/8"	13/32"	13/16"	1/16"	100
<b>3989</b>	7/16"	15/32"	15/16"	1/16"	100
<b>3990</b>	1/2"	17/32"	1-1/16"	3/32"	100
<b>3991</b>	9/16"	19/32"	1-3/16"	3/32"	100
<b>3992</b>	5/8"	21/32"	1-5/16"	3/32"	100
<b>3993</b>	3/4"	13/16"	1-1/2"	1/8"	100
<b>8621</b>	7/8"	29/32"	1-3/4"	1/8"	100





**High Strength Grade 8 Washers**

1035 Steel • R/C38-45 Hardness • Zinc & Gold Dichromate Finish

*For use with Grades 5 and 8 Bolts*

**USS Sizes**

Auveco Part No.	Bolt Size	I.D.	O.D.	Thick-ness	Unit Pkg.
12771	1/4"	5/16"	3/4"	.051/.080"	100
12772	5/16"	3/8"	7/8"	.064/.104"	100
12773	3/8"	7/16"	1"	.064/.104"	100
12774	7/16"	1/2"	1-1/4"	.064/.104"	50
12775	1/2"	9/16"	1-3/8"	.097/.121"	50
12776	9/16"	5/8"	1-1/2"	.097/.121"	25
12777	5/8"	11/16"	1-3/4"	.108/.160"	25
12778	3/4"	13/16"	2"	.122/.177"	10
12779	7/8"	15/16"	2-1/4"	.136/.192"	10

**SAE Sizes**

Auveco Part No.	Bolt Size	I.D.	O.D.	Thick-ness	Unit Pkg.
12781	1/4"	9/32"	5/8"	.055/.072"	100
12782	5/16"	11/32"	11/16"	.055/.072"	100
12783	3/8"	13/32"	13/16"	.055/.072"	100
12784	7/16"	15/32"	59/64"	.055/.072"	50
12785	1/2"	17/32"	1-1/16"	.097/.121"	50
12786	9/16"	19/32"	1-3/16"	.097/.121"	50
12787	5/8"	11/16"	1-5/16"	.122/.146"	25
12788	3/4"	13/16"	1-15/32"	.122/.146"	25
12789	7/8"	15/16"	1-3/4"	.136/.160"	15
12790	1"	1-1/8"	2"	.136/.160"	10



**Spring Type Lock Washers**

Grade 5 • Zinc

Auveco Part No.	Bolt Size	Unit Pkg.
5717	#6 (1/8")	200
5718	#8 (5/32")	200
5719	#10 (3/16")	200
5720	1/4"	200
5721	5/16"	200
5722	3/8"	200
5723	7/16"	200
5724	1/2"	200
8649	9/16"	100
8650	5/8"	100
14879	3/4"	50



**Copper Washers**

Auveco Part No.	Bolt Size	I.D.	O.D.	Thick-ness	Unit Pkg.
15911	3/16"	1/4"	7/16"	1/32"	50
15914	3/16"	1/4"	5/8"	1/16"	25
15912	1/4"	5/16"	1/2"	1/32"	50
15915	1/4"	5/16"	11/16"	1/16"	25
15913	5/16"	3/8"	9/16"	1/32"	50
15916	5/16"	3/8"	3/4"	1/16"	25
15917	3/8"	7/16"	13/16"	1/16"	25
15918	7/16"	1/2"	7/8"	1/16"	25
15919	1/2"	9/16"	13/16"	3/32"	25



**Belleville Washers**

Phosphate and Oil

Auveco Part No.	Bolt Size	I.D.	O.D.	Thick-ness	Unit Pkg.
14847	1/4"-6mm	.255"	.500"	.022"	50
14848	1/4"-6mm	.255"	.500"	.038"	50
14850	5/16"-8mm	.317"	.625"	.047"	50
14851	3/8"-10mm	.380"	.750"	.034"	25
14852	3/8"-10mm	.380"	.750"	.056"	25
14854	1/2"-12mm	.505"	1.00"	.050"	25



**High Alloy Lock Washers**

Grade 8

Zinc & Yellow Dichromate

*For use with Grade 5 & 8 Bolts*

Auveco Part No.	Bolt Size	Unit Pkg.
11925	1/4"	100
11926	5/16"	100
11927	3/8"	100
11928	7/16"	50
11929	1/2"	50
11931	5/8"	50
11933	7/8"	25



**Bowed Spring Washers**

Black Parkerized

Auveco Part No.	Bolt Size	I.D.	O.D.	Thick-ness	Unit Pkg.
9630	3/8"	25/64"	3/4"	1/64"	50

For fastener assortments refer to assortments 1020 and 1030 in the green pages.



## Fender Washers Zinc Plated

Auveco Part No.	Bolt Size	I.D.	O.D.	Thick-ness	Unit Pkg.
2007	3/16"	7/32"	1/2"	3/64"	100
1183	3/16"	7/32"	3/4"	3/64"	100
16018	3/16"	7/32"	1"	3/64"	100
16019	3/16"	7/32"	1-1/4"	3/64"	50
2008	1/4"	9/32"	5/8"	3/64"	100
16020	1/4"	9/32"	1"	1/16"	100
2333	1/4"	9/32"	1-1/4"	1/16"	100
16021	1/4"	9/32"	1-1/2"	3/64"	50
1376	5/16"	21/64"	3/4"	1/16"	100
768	5/16"	11/32"	1-1/4"	3/64"	100
17095	5/16"	11/32"	1-1/4"	1/8"	25
1700	5/16"	11/32"	1-1/2"	3/64"	50
3553	3/8"	13/32"	1-1/4"	1/16"	100
2227	3/8"	13/32"	1-1/2"	3/64"	50
16022	3/8"	27/64"	1-5/8"	1/16"	50
1294	3/8"	7/16"	1-3/4"	1/16"	25
17094	3/8"	7/16"	1-3/4"	1/8"	25
3554	1/2"	17/32"	1-1/4"	3/64"	100
3556	1/2"	17/32"	1-1/2"	3/64"	100
16023	1/2"	17/32"	2"	1/16"	25



## Vibration Proof Lock Washers Zinc Flake Coated

*For use with Grade 5, Grade 8 & ASTM 574 High Grade Bolts*

These washers have cams or wedges on one side, a lead angle greater than a thread angle, and radial teeth or ribs on the other side. The washers are installed cam face to cam face. When tightening the fastener to preload, the teeth penetrate and seat against the joint material and the nut and/or fastener head. When subjected to vibration the interacting cams create a wedge action which prevents the fastener from vibrating loose.

Material: Carbon Steel

Hardness: Through Hardened: 465HV1

Auveco Part No.	Bolt Size	O.D.	Unit Pkg.
19282	3/16" (5mm)	11/32"	50 (25 pr.)
19283	1/4" (6mm)	27/64"	50 (25 pr.)
19284	5/16" (8mm)	17/32"	50 (25 pr.)
19285	3/8" (10mm)	21/32"	50 (25 pr.)
19286	7/16" (11mm)	23/32"	30 (15 pr.)
19287	1/2" (12mm)	49/64"	20 (10 pr.)
19288	9/16" (14mm)	29/32"	20 (10 pr.)
19289	5/8" (16mm)	1"	20 (10 pr.)
19290	3/4" (20mm)	1-7/32"	10 (5 pr.)
19291	1" (25mm)	1-17-32"	10 (5 pr.)



## External Lock Washers Zinc

Auveco Part No.	Bolt Size	O.D.	Unit Pkg.
5249	#4 (3/32")	1/4"	100
5250	#6 (1/8")	5/16"	100
5251	#8 (5/32")	3/8"	100
5252	#10 (3/16")	3/8"	100
5253	#12 (7/32")	15/32"	100
5254	#14 (1/4")	1/2"	100
5255	5/16"	19/32"	100
5256	3/8"	11/16"	100
5257	7/16"	3/4"	100
5258	1/2"	7/8"	100
16676	5/8"	1-1/32"	50
16677	3/4"	1-3/16"	50



## Countersunk External Lock Washers Zinc

Auveco Part No.	Bolt Size	O.D.	Unit Pkg.
5270	#6 (1/8")	9/32"	100
5271	#8 (5/32")	5/16"	100
5272	#10 (3/16")	11/32"	100
5274	#14 (1/4")	7/16"	100



## Internal Lock Washers Zinc

Auveco Part No.	Bolt Size	O.D.	Unit Pkg.
5259	#4 (3/32")	1/4"	100
5260	#6 (1/8")	9/32"	100
5261	#8 (5/32")	5/16"	100
5262	#10 (3/16")	3/8"	100
5263	#12 (7/32")	13/32"	100
5264	#14 (1/4")	15/32"	100
5265	5/16"	19/32"	100
5266	3/8"	11/16"	100
5267	7/16"	25/32"	100
5268	1/2"	7/8"	100
16672	5/8"	1-1/16"	100
16673	3/4"	1-7/32"	50
16675	1"	1-19/32"	10

# Sec. 10

# WASHERS



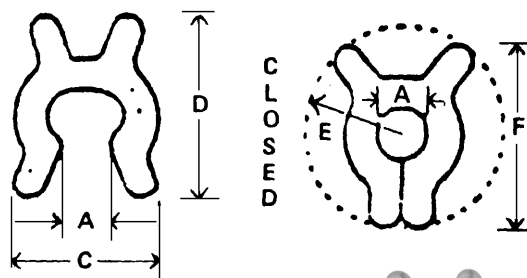
**Internal-External  
Combination  
Lock Washers**  
Zinc

Auveco Part No.	Bolt Size	O.D.	Unit Pkg.
17017	#6 (1/8")	1/2"	100
17018	#8 (5/32")	1/2"	100
17019	#10 (3/16")	9/16"	100
17020	#14 (1/4")	23/32"	100
17021	5/16"	7/8"	100
17022	3/8"	31/32"	100
17023	7/16"	1-1/32"	50
17024	1/2"	1-7/32"	50



**Natural Nylon Flat  
Washers**

Auveco Part No.	Bolt Size	I.D. + .015	O.D. + .015	Thick. + .010	Unit Pkg.
13888	1/16"	.115"	.250"	.032"	100
13891	1/16"	.140"	.312"	.062"	100
13892	1/8"	.171"	.375"	.032"	100
13893	1/8"	.171"	.375"	.062"	100
13894	1/8"	.194"	.375"	.032"	100
13895	1/8"	.194"	.375"	.062"	100
13896	3/16"	.242"	.375"	.062"	100
13897	1/8"	.200"	.437"	.062"	100
13898	3/16"	.257"	.500"	.062"	100
13899	1/4"	.281"	.500"	.030"	100
13900	1/4"	.317"	.500"	.062"	100
13902	3/16"	.260"	.562"	.062"	100
13903	1/8"	.187"	.625"	.062"	50
13904	5/16"	.380"	.625"	.062"	50
13905	3/16"	.260"	.687"	.060"	50
13906	3/8"	.421"	.687"	.062"	50
13907	1/2"	.568"	.687"	.062"	50
13908	1/4"	.317"	.750"	.062"	50
13909	5/16"	.390"	.750"	.062"	50
13910	3/8"	.443"	.750"	.062"	50
13911	7/16"	.505"	.750"	.062"	50
13912	3/16"	.257"	.875"	.062"	50
13913	5/16"	.343"	.885"	.062"	50
13914	3/8"	.406"	1.000"	.062"	25
13916	7/16"	.516"	1.250"	.062"	25
13918	5/16"	.390"	1.260"	.062"	25
13919	7/16"	.500"	1.375"	.062"	25
13920	7/16"	.525"	1.375"	.125"	25
13921	5/8"	.665"	1.500"	.094"	25



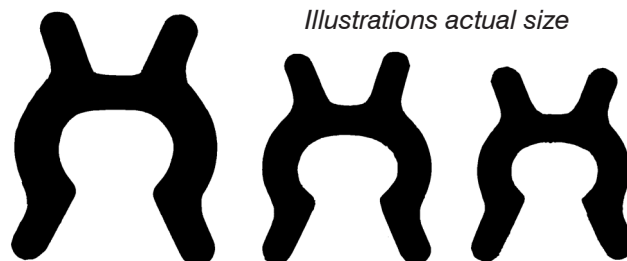
**X-Washers**  
Zinc



Auveco Part No.	Material Thickness	A	C	D	E	F	Unit Pkg.
13691	.025	.086	.320	.406	.210	.406	50
13692	.055	.098	.364	.490	.297	.475	50
13693	.055	.130	.438	.576	.338	.558	50
13694	.065	.164	.523	.687	.422	.665	50
13695	.065	.190	.593	.745	.437	.730	25
13696	.075	.222	.622	.776	.469	.775	25
13697	.075	.256	.698	.905	.500	.890	25
13698	.075	.285	.822	.986	.563	.984	25
13699	.089	.317	.872	1.100	.609	1.078	25
13701	.089	.381	1.060	1.297	.797	1.281	10

Commercial tolerances all X-Washers

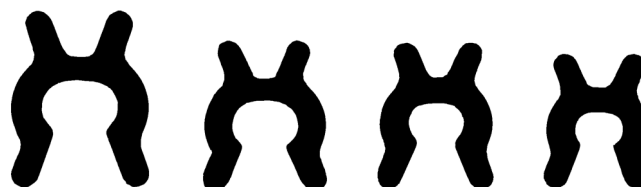
Illustrations actual size



13701

13699

13698



13697

13696

13695

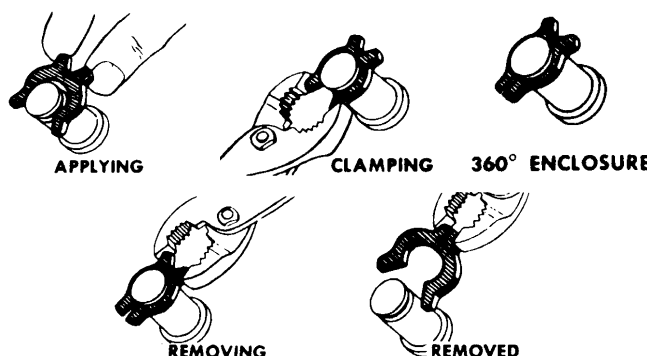
13694



13693

13692

13691



APPLYING

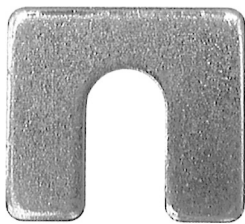
CLAMPING

360° ENCLOSURE

REMOVING

REMOVED

# SHIMS



1-1/4" x 1-1/8"  
Slot: 3/8"  
Zinc

**3155** Thick: 1/16" UNIT PKG: 100  
**3156** Thick: 1/8" UNIT PKG: 100



2" x 1-1/2"  
Slot: 5/8"  
Zinc

**2999**  
1/8" Thick  
UNIT PKG: 50



2" x 1-1/2"  
Slot: 3/4"  
Zinc

**3000**  
Thick: 1/8"  
UNIT PKG: 50



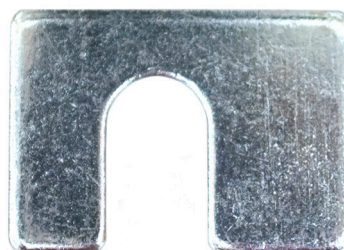
Outer Diameter: 15/16"  
Slot: 3/8"  
Zinc

**20448** Thick: 1/16" UNIT PKG: 50  
**20449** Thick: 1/8" UNIT PKG: 50



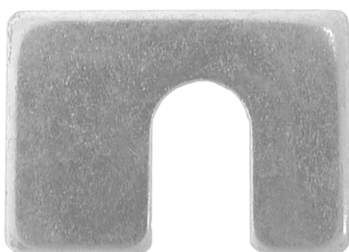
1-3/8" x 1-1/4"  
Slot: 5/8"  
Zinc

**20322**  
Thick: 1/8"  
UNIT PKG: 50



1-3/4" x 1-1/4"  
Slot: 1/2"  
Zinc

**8445**  
Thick: 1/8"  
(10 Gauge Steel)  
UNIT PACKAGE: 50



1-3/4" x 1-1/4"  
Slot: 1/2"  
Zinc

**2452**  
Thick: 1/16"  
UNIT PKG: 50

**2453**  
Thick: 1/8"  
UNIT PKG: 50



### Universal Alignment Shim

1-3/16" x 1-15/32"  
Slot: 5/8"  
Zinc

Auveco Part No.	Thickness	Unit Pkg.
11187	1/32"	25



### Caster and Camber and Ball Joints Ford

1-1/8" x 1-1/8"  
Slot: 1/2"  
Zinc

Auveco Part No.	Thickness	Unit Pkg.
5074	1/64"	50
5075	1/32"	50
5076	1/16"	50
5077	1/8"	50



### Caster and Camber Shims Chevrolet and GMC Trucks

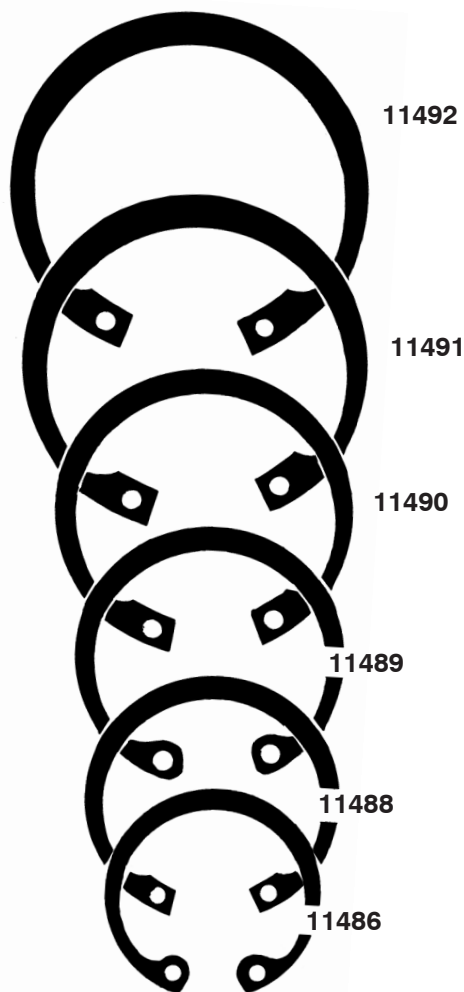
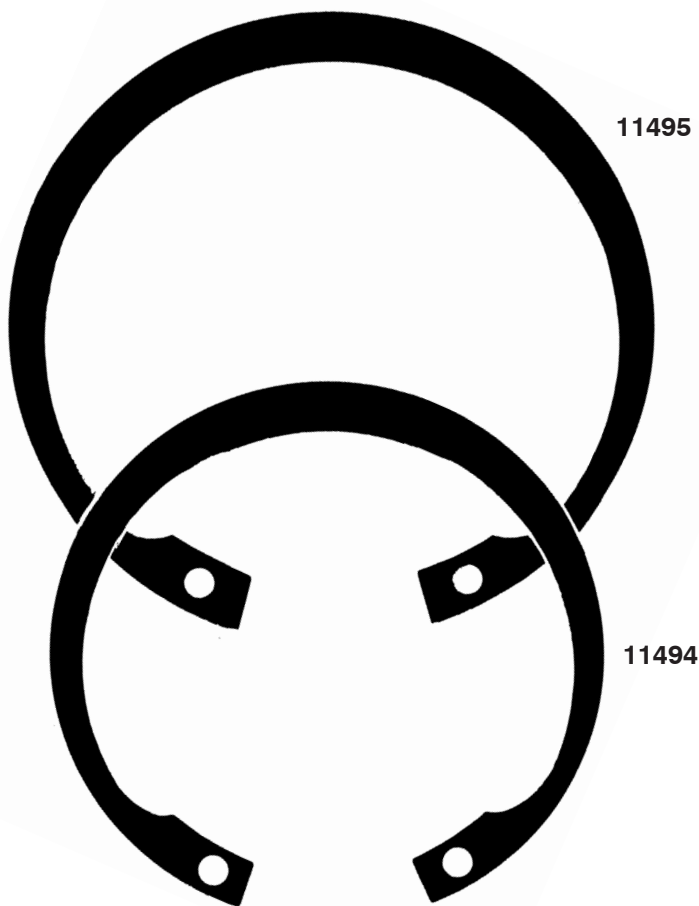
1-1/2" x 2-1/2"  
Slot: 9/16"  
Zinc

Auveco Part No.	Thickness	Unit Pkg.
5096	1/32"	50
5097	1/16"	50



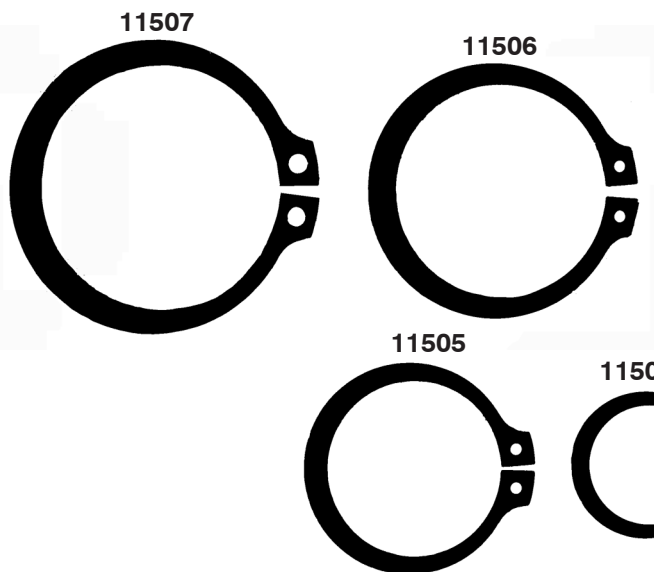
**Metric Basic Internal Retaining Rings**

DIN 472 - 1300  
Groove Required in Bore  
Phosphate & Oil Finish

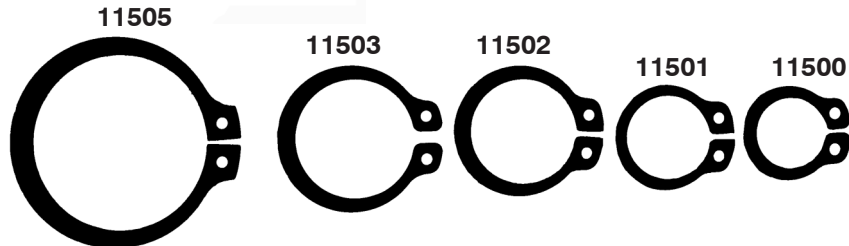


Auveco Part No.	Shaft Diameter		Groove Diameter		Groove Width		Unit Pkg.
	mm	Inches	mm	Inches	mm	Inches	
<b>11486</b>	26	1.024	27.2	1.072	1.30	.051	50
<b>11488</b>	30	1.181	31.4	1.237	1.30	.051	50
<b>11489</b>	32	1.260	33.7	1.328	1.30	.051	50
<b>11490</b>	35	1.378	37.0	1.457	1.60	.063	50
<b>11491</b>	40	1.575	42.5	1.675	1.85	.073	25
<b>11492</b>	42	1.654	44.5	1.753	1.85	.073	25
<b>11494</b>	52	2.047	55.0	2.165	2.15	.085	25
<b>11495</b>	62	2.441	65.0	2.559	2.15	.085	10





**Metric Basic External Retaining Rings**  
 DIN 471 - 1400  
 Groove Required on Shaft  
 Phosphate & Oil Finish



Auveco Part No.	Shaft Diameter		Groove Diameter		Groove Width		Unit Pkg.
	mm	Inches	mm	Inches	mm	Inches	
<b>11500</b>	10.0	.394	9.6	.378	1.10	.043	100
<b>11501</b>	12.0	.472	11.5	.452	1.10	.043	100
<b>11502</b>	15.0	.591	14.3	.563	1.10	.043	100
<b>11503</b>	17.0	.670	16.2	.637	1.10	.043	50
<b>11505</b>	25.0	.985	23.9	.941	1.30	.051	50
<b>11506</b>	30.0	1.182	28.6	1.126	1.60	.063	50
<b>11507</b>	35.0	1.378	33.0	1.299	1.60	.063	50

### E Type Retaining Rings

DIN 6799 - 1500  
 Phosphate & Oil Finish



Auveco Part No.	Shaft Diameter		Groove Diameter		Groove Width		Unit Pkg.
	mm	Inches	mm	Inches	mm	Inches	
<b>11513</b>	1.4	.055	1.2	.047	0.34	.0134	100
<b>11514</b>	2.0	.079	1.5	.059	0.44	.0173	100
<b>11515</b>	2.5	.098	1.9	.075	0.54	.0213	100
<b>11516</b>	3.0	.118	2.3	.091	0.64	.0252	100
<b>11517</b>	4.0	.157	3.2	.126	0.64	.0252	100
<b>11518</b>	5.0	.197	4.0	.157	0.74	.0291	100
<b>11519</b>	6.0	.236	5.0	.197	0.74	.0291	100
<b>11520</b>	7.0	.276	6.0	.236	0.74	.0291	100
<b>11521</b>	8.0	.315	7.0	.276	0.94	.0370	100
<b>11523</b>	10.0	.394	9.0	.354	1.15	.0453	100
<b>11527</b>	20.0	.787	19.0	.748	1.85	.0728	50

**Internal Self-Locking Retaining Rings**

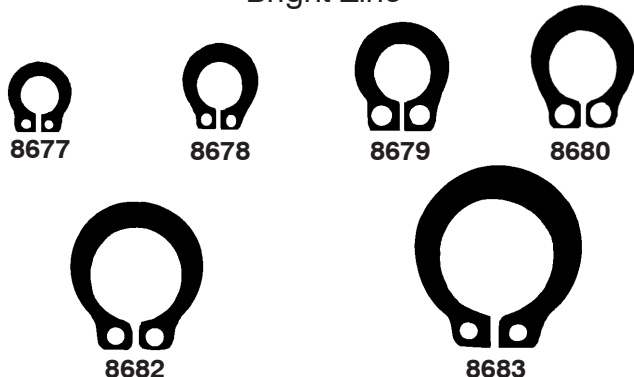


No Groove Required  
Bright Zinc

Auveco Part No.	Shaft Diameter	Unit Pkg.
<b>8715</b>	3/16" - (.184 to .192 Shaft)	100

**External Grip Rings**

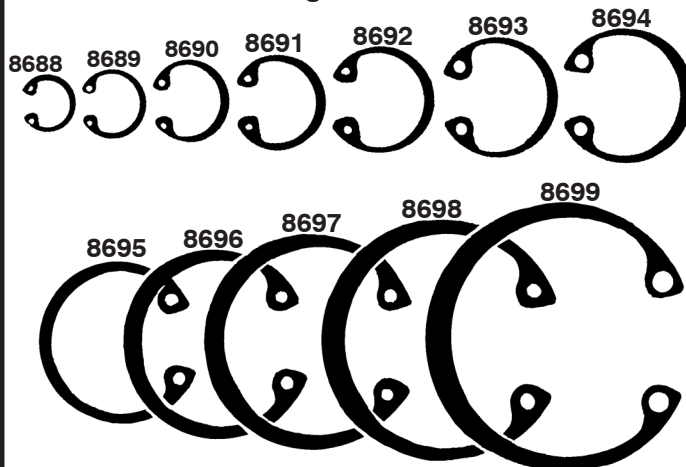
No Groove Required  
Bright Zinc



Auveco Part No.	Shaft Diameter	Unit Pkg.
<b>8677</b>	3/16" - (.185 to .189 Shaft)	50
<b>8678</b>	1/4" - (.248 to .252 Shaft)	50
<b>8680</b>	3/8" - (.373 to .379 Shaft)	50
<b>8682</b>	1/2" - (.497 to .503 Shaft)	50
<b>8683</b>	5/8" - (.622 to .628 Shaft)	50

**Basic Internal Retaining Rings**

Groove Required on Shaft  
Bright Zinc



Auveco Part No.	Housing Dia.	Groove Dia.	Groove Width	Unit Pkg.
<b>8688</b>	1/4"	.268"	.020"	50
<b>8689</b>	5/16"	.330"	.020"	50
<b>8690</b>	3/8"	.397"	.029"	50
<b>8691</b>	7/16"	.461"	.029"	50
<b>8692</b>	1/2"	.530"	.039"	50
<b>8693</b>	9/16"	.596"	.039"	50
<b>8694</b>	5/8"	.665"	.039"	50
<b>8695</b>	3/4"	.796"	.039"	50
<b>8696</b>	7/8"	.931"	.046"	50
<b>8697</b>	1"	1.066"	.046"	50
<b>8698</b>	1-1/8"	1.197"	.056"	50
<b>8699</b>	1-1/4"	1.330"	.056"	50

**Basic External Retaining Rings**

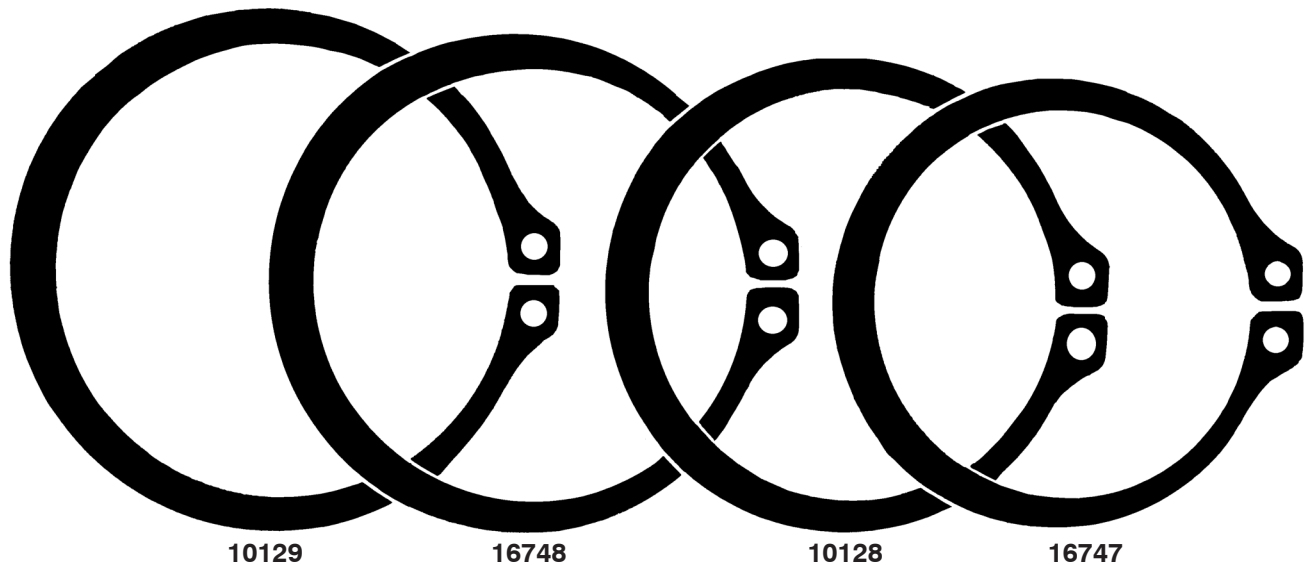
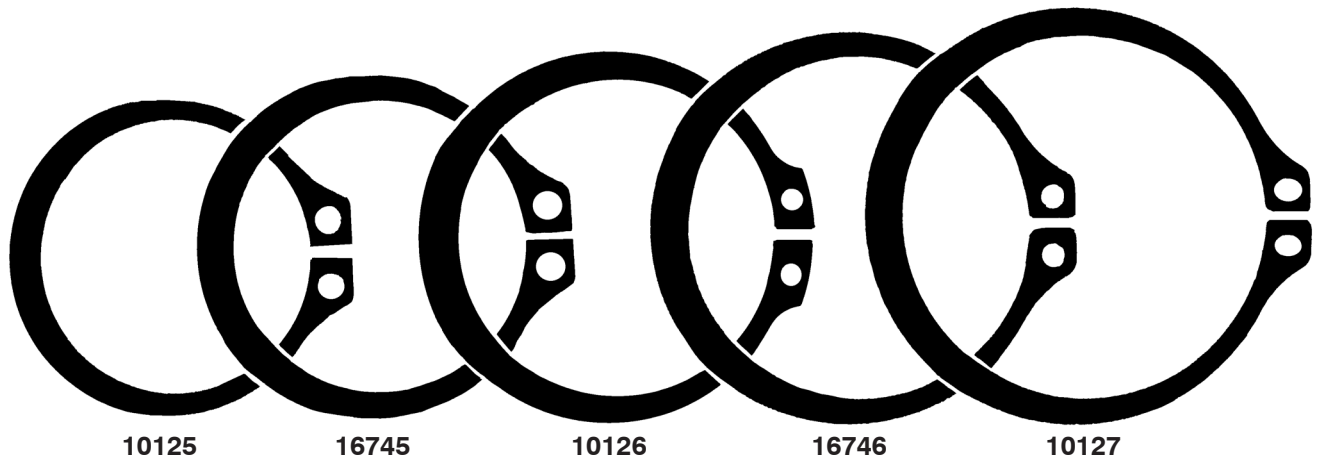
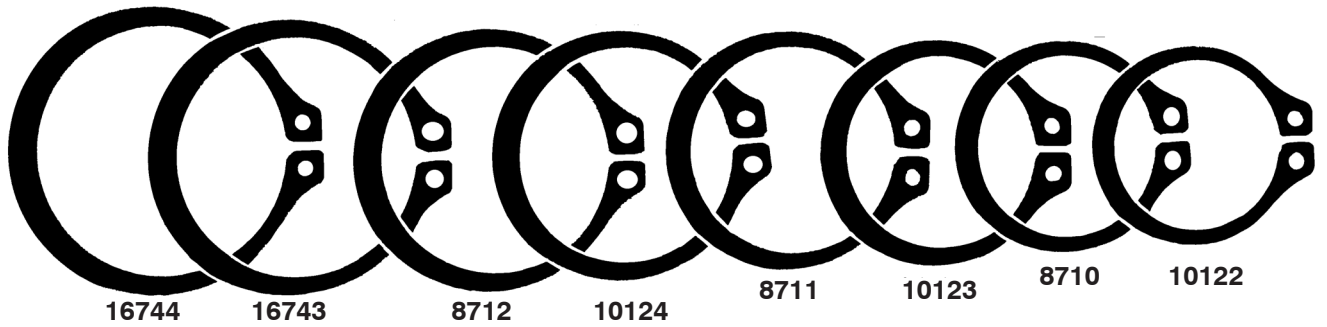
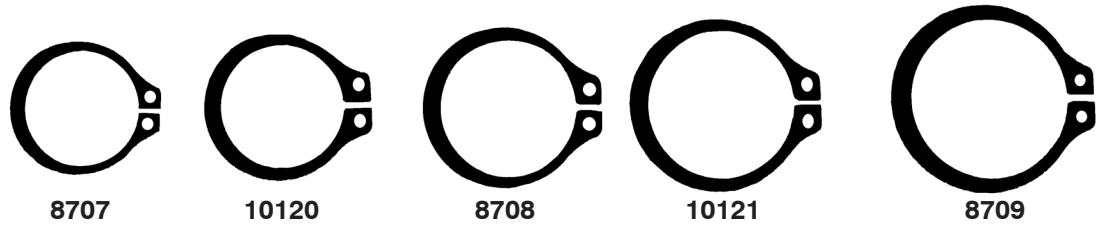
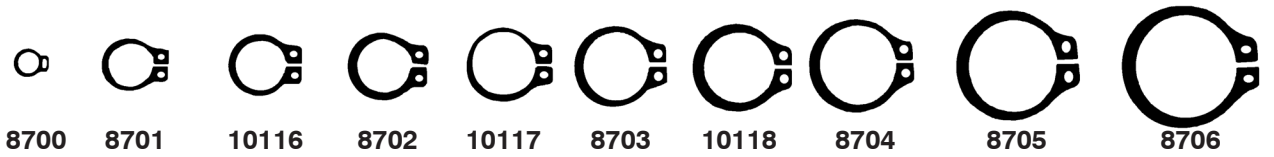
Groove Required on Shaft  
Zinc

*Actual Size Illustrations to the right*












Auveco Part No.	Shaft Diameter	Groove Diameter	Groove Width	Unit Pkg.	Auveco Part No.	Shaft Diameter	Groove Diameter	Groove Width	Unit Pkg.
<b>8700</b>	1/8"	.117"	.012"	50	<b>8710</b>	1"	.940"	.046"	50
<b>8701</b>	1/4"	.230"	.029"	50	<b>10123</b>	1-1/16"	.998"	.056"	50
<b>10116</b>	9/32"	.261"	.029"	50	<b>8711</b>	1-1/8"	1.059"	.056"	50
<b>8702</b>	5/16"	.290"	.029"	50	<b>10124</b>	1-3/16"	1.118"	.056"	50
<b>10117</b>	11/32"	.321"	.029"	50	<b>8712</b>	1-1/4"	1.176"	.056"	50
<b>8703</b>	3/8"	.352"	.029"	50	<b>16743</b>	1-5/16"	1.232"	.056"	50
<b>10118</b>	13/32"	.382"	.029"	50	<b>16744</b>	1-3/8"	1.291"	.056"	50
<b>8704</b>	7/16"	.412"	.029"	50	<b>10125</b>	1-1/2"	1.406"	.056"	25
<b>8705</b>	1/2"	.468"	.039"	50	<b>16745</b>	1-5/8"	1.529"	.068"	25
<b>8706</b>	9/16"	.530"	.039"	50	<b>10126</b>	1-3/4"	1.650"	.068"	25
<b>8707</b>	5/8"	.588"	.039"	50	<b>16746</b>	1-7/8"	1.769"	.068"	25
<b>10120</b>	11/16"	.646"	.046"	50	<b>10127</b>	2"	1.886"	.068"	10
<b>8708</b>	3/4"	.704"	.046"	50	<b>16747</b>	2-1/8"	2.003"	.086"	10
<b>10121</b>	13/16"	.762"	.046"	50	<b>10128</b>	2-1/4"	2.120"	.086"	10
<b>8709</b>	7/8"	.821"	.046"	50	<b>16748</b>	2-3/8"	2.239"	.086"	10
<b>10122</b>	15/16"	.882"	.046"	50	<b>10129</b>	2-1/2"	2.360"	.086"	10

For an assortment of Basic Internal and External Retaining Rings see Kit No. 6116 and Large Drawer Assortment No. 6507

# BASIC EXTERNAL RETAINING RINGS

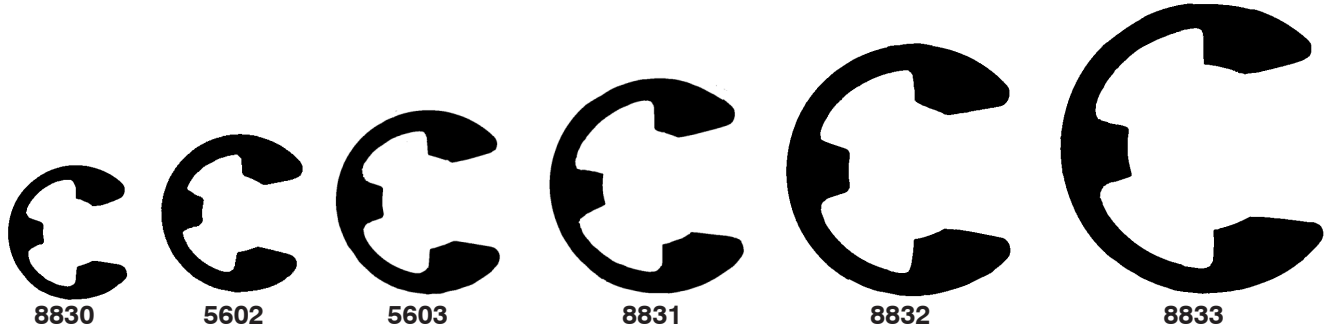
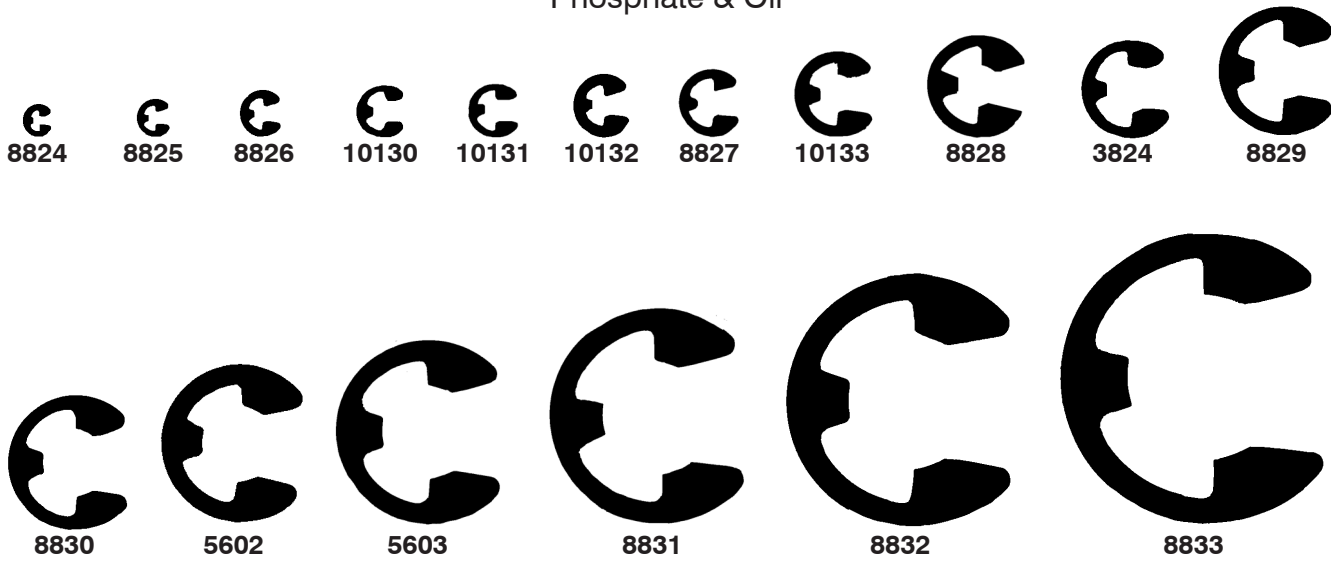





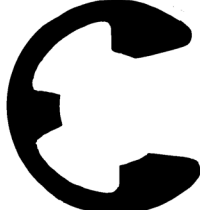
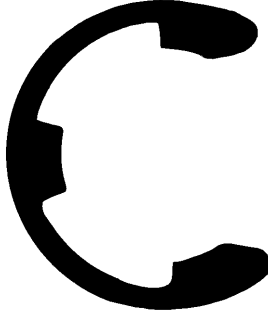
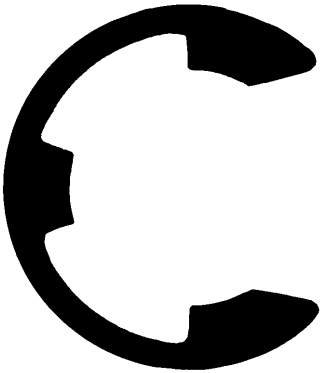
**Reinforced E Type Retaining Rings**

				Auveco Part No.	Shaft Dia.	Groove Dia.	Groove Width	Unit Pkg.
				<b>8836</b>	3/32"	.074"	.018"	100
				<b>3165</b>	1/8"	.095"	.018"	100
				<b>10134</b>	5/32"	.116"	.029"	100
				<b>3166</b>	3/16"	.147"	.029"	100
				<b>10135</b>	7/32"	.188"	.029"	100
				<b>3167</b>	1/4"	.210"	.029"	100
				<b>3628</b>	5/16"	.250"	.039"	100
				<b>5600</b>	3/8"	.303"	.039"	100
				<b>2672</b>	7/16"	.343"	.039"	100
				<b>8837</b>	1/2"	.396"	.046"	100
				<b>5601</b>	9/16"	.437"	.046"	100

**E Type Retaining Rings**

Phosphate & Oil



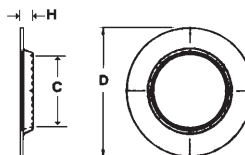
				Auveco Part No.	Shaft Dia.	Groove Dia.	Groove Width	Unit Pkg.
				<b>8824</b>	1/16"	.052"	.012"	100
				<b>8825</b>	3/32"	.074"	.018"	100
				<b>8826</b>	1/8"	.095"	.018"	100
				<b>10130</b>	9/64"	.105"	.018"	100
				<b>10131</b>	5/32"	.116"	.029"	100
				<b>10132</b>	11/64"	.127"	.029"	100
				<b>8827</b>	3/16"	.147"	.029"	100
				<b>10133</b>	7/32"	.188"	.029"	100
				<b>8828</b>	1/4"	.210"	.029"	100
				<b>3824</b>	5/16"	.250"	.029"	100
				<b>8829</b>	3/8"	.303"	.039"	100
				<b>8830</b>	7/16"	.343"	.039"	100
				<b>5602</b>	1/2"	.396"	.046"	100
				<b>5603</b>	5/8"	.485"	.046"	100
				<b>8831</b>	3/4"	.580"	.056"	50
				<b>8832</b>	7/8"	.675"	.056"	50
				<b>8833</b>	1"	.835"	.056"	50
				<b>8834</b>	1-3/16"	1.079"	.068"	50
				<b>8835</b>	1-3/8"	1.230"	.068"	50

For an assortment of E and Reinforced E Type Retaining Rings see Kit No. 6086, 6123 and Large Drawer 6508

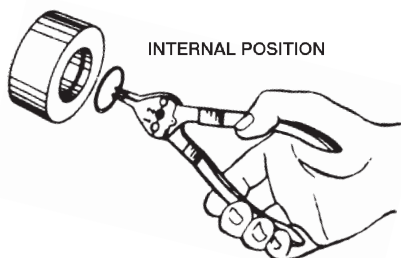
### Grooveless Retainer Ring

300 Series Stainless Steel

These Grooveless Retainer Rings press over studs, shafts or any round shape with a .375" diameter. They become an integral part of the axial application replacing snap or bearing rings and cotter pins. Designed without slots or shears, these rings will not "walk-off" or spring free.



Auveco Part No.	Unit Pkg.	Stud Size	Outside Dia. (C)	Height (D)	Material Thickness (H)
14113	25	.375"	.625"	.030"	.010"

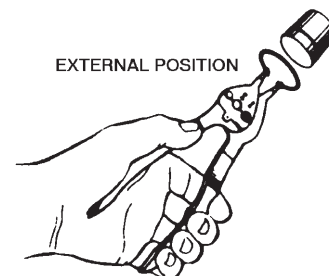


INTERNAL POSITION

### Convertible Retaining Ring Pliers

For Internal and External Retaining Rings

Illustrations and photos not actual size



EXTERNAL POSITION



**7909**

Tip Diameter: .042"  
Use with Auveco Retaining Rings:  
8677 to 8678 (External)  
8688 to 8697 (Internal)  
8700 to 8709 (External)  
10116 to 10121 (External)

UNIT PACKAGE: 1



**7910**

Tip Diameter: .070"  
Use with Auveco Retaining Rings:  
8679 to 8633 (External)  
8698 & 8699 (Internal)  
8710 to 8712 (External)  
10122 to 10129 (External)  
16743 to 16748 (External)

UNIT PACKAGE: 1

## SPRINGS



Type 1



Type 2 (Double loop on both ends)



Type 3



Type 4

### Extension Springs

Zinc

Photos not actual size



Type 5



Type 6

Auveco Part No.	Unit Pkg.	Type	Length Overall	Coil Length	O.D.	Wire Size	Lbs Rate /Inch	Approx. Lbs Load at Reference Ext.
14059	5	2	6.438"	5.575"	.438"	.048"	1.1	4.2 @ 8.437"
14060	5	1	6.500"	5.925"	.328"	.035"	7.5 oz.	2.2 @ 8.500"
14063	5	4	3.250"	2.750"	.375"	.041"	1.9	5.2 @ 5.250"
14064	5	1	4.00"	3.450"	.250"	.028"	13 oz.	1.9 @ 6.00"
14065	5	3	4.500"	3.575"	.484"	.063"	6.2	14 @ 6.500"
14066*	5	1	4.062"	2.750"	.734"	.062"	1.4	4.3 @ 6.062"
14067	5	3	4.00"	2.825"	.719"	.105"	12.5	36.5 @ 5.00"
14068	10	6	5.250"	3.000"	.531"	.062"	5.0	8.5 @ 6.250"
14070	5	5	2.656"	1.500"	.750"	.080"	10.3	12.5 @ 3.656"
14072	10	3	1.438"	.825"	.344"	.048"	15.0	10 @ 1.812"
14074	10	1	1.125"	.700"	.234"	.020"	12.0	9 oz. @ 1.625"

\*Not Zinc Plated

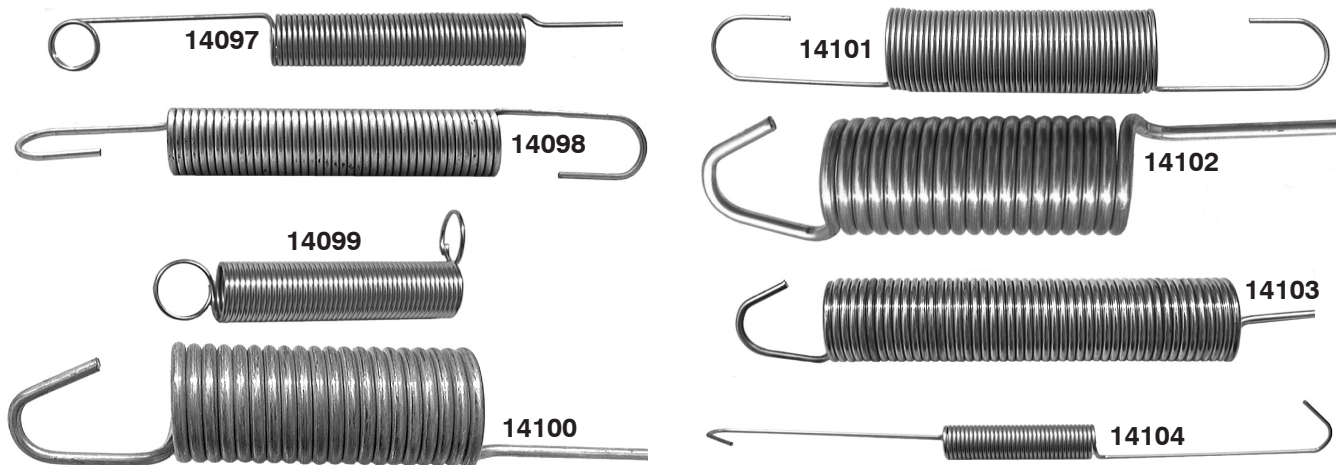


# Sec. 10

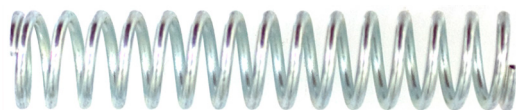
# SPRINGS, PINS & CLIPS

## Universal Springs

Galvanized • *Photos not actual size*



Auveco Part No.	Unit Pkg.	Length Overall	Coil Length	O.D.	Wire Size
14097	10	11-1/2"	1-7/8"	25/64"	1/32"
14098	10	4-3/8"	2-1/2"	1/2"	1/16"
14099	10	1-13/16"	1-1/2"	3/8"	1/32"
14100	10	8-1/2"	1-7/8"	3/4"	3/32"
14101	10	5-3/4"	2-3/8"	25/32"	3/64"
14102	10	18-1/2"	2"	13/16"	3/32"
14103	10	17-1/2"	3-1/2"	3/4"	1/16"
14104	10	8-1/4"	2"	7/16"	1/16"



## Compression Springs

Zinc

Auveco Part No.	Unit Pkg.	Length Overall	O.D.	Wire Size	Approx. Solid Ht.	Lbs. Rate /Inch
14089	20	2.193"	.590"	.040"	.380"	3.1
14094*	20	.781"	.375"	.042"	.378"	7.4
14095	10	2.625"	.438"	.048"	.950"	6.0
14096	10	2.500"	.500"	.063"	1.00"	18.0

\*Brass

## Throttle Rod Clips

Black Phosphate



Left-hand Type



Right-hand Type

Auveco Part No.	Rod Diameter	Ind. Std.	Unit Pkg.
3609	5/32"	2	Right 100
3610	5/32"	2	Left 100
3611	3/16"	4	Right 100
3612	3/16"	4	Left 100
3613	1/4"	7	Right 100
3614	1/4"	7	Left 100

For an assortment of Throttle Rod Clips see Kit No. 6086.

## Retainer Pins

Zinc

*Photo not actual size*



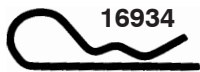
Auveco Part No.	Inside Diameter	Overall Length	Wire Dia.	Unit Pkg.
9114	1/16"	3/8"	.035"	100
9894	1/16"	19/32"	.045"	100
10390	7/64"	3/4"	.050"	100
9112	1/8"	1-1/8"	.070"	100
9110	3/16"	1-3/16"	.070"	100

# PINS

# Sec. 10

## Hair Pin Cotter

Zinc



16934



16727



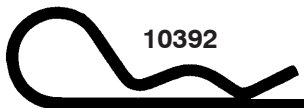
11872



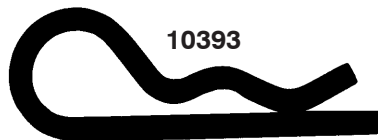
10391



11873



10392



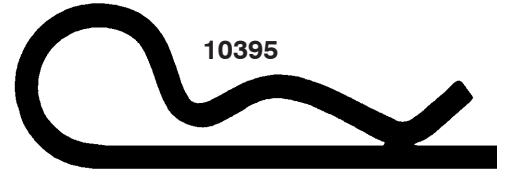
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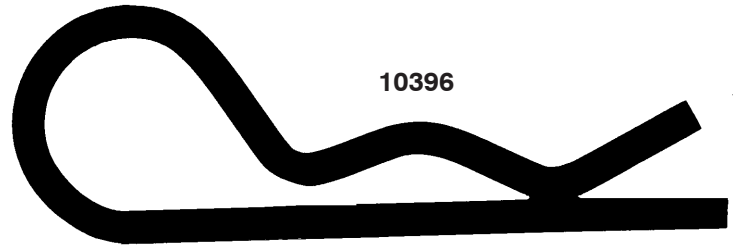
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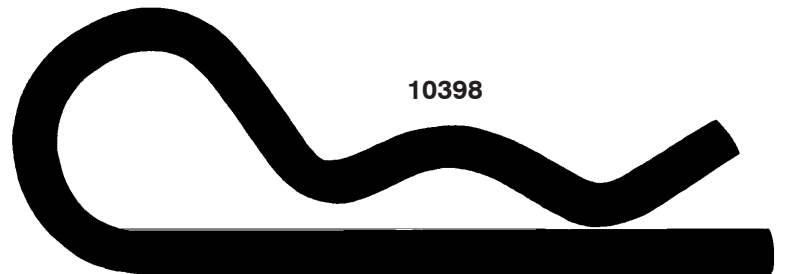
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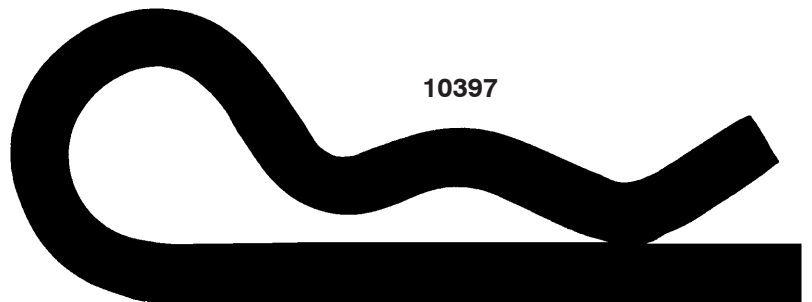
10395



10396



10398



10397

Auveco Part No.	Wire Dia.	Drill Hole Size	Min. Shaft Dia.	Max Shaft Dia.	Overall Length	Inside Dia. of Eye	Unit Pkg.
16934	.042" (3/64")	3/64"	3/16"	1/4"	1"	1/4"	100
16727	.080" (5/64")	3/32"	1/4"	3/8"	1-3/16"	1/4"	100
11872	.080" (5/64")	3/32"	3/8"	1/2"	1-9/16"	5/16"	100
10391	.080" (5/64")	3/32"	3/8"	1/2"	1-9/16"	5/16"	100
11873	.062" (1/16")	5/64"	3/8"	1/2"	1-9/16"	5/16"	100
10392	.062" (1/16")	5/64"	3/8"	1/2"	1-9/16"	5/16"	100
10393	.125" (1/8")	9/64"	1/2"	3/4"	1-15/16"	7/16"	50
11874	.125" (1/8")	9/64"	1/2"	3/4"	1-15/16"	7/16"	50
10394	.093" (3/32")	7/64"	1/4"	5/8"	2-5/16"	5/8"	50
10395	.125" (1/8")	9/64"	5/8"	7/8"	2-1/2"	1/2"	25
10396	.177" (3/16")	3/16"	7/8"	1-1/4"	3-3/4"	7/8"	10
10398	.243" (1/4")	17/64"	3/4"	1"	4"	15/16"	10
10397	.310" (5/16")	21/64"	7/8"	1"	3-15/16"	7/8"	5

**Hair Pin Cotter**



3168



9890



2598



9892

Auveco Part No.	Inside Diameter	Overall Length	Wire Diameter	Unit Pkg.
3168	1/16"	23/64"	.025"	200
9890	3/32"	3/8"	.025"	100
2598	7/32"	3/4"	.060"	100
9892	5/16"	1"	.060"	100



**Lynch Pins**

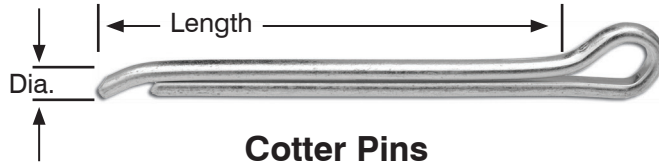
Auveco Part No.	Pin Size	Ring I.D.	Ring O.D.	Unit Pkg.
11733	7/16" O.D. x 2-1/2" Long Black Powder Coated	1-7/8"	2-1/4"	5
11736	1/4" O.D. x 2-1/8" Long Zinc Plated	1-5/8"	1-7/8"	10



**Clevis Pins  
Drilled for  
Cotter Pins**  
Zinc

Auveco Part No.	Dia.	Use Pin Dia.	Length Under Head to Ctr of Hole	Length Under Head to End of Pin
9433	1/4"	1/16"	29/32"	1"
9435	5/16"	3/32"	7/8"	1"
9436	5/16"	3/32"	1"	1-1/8"
9438	5/16"	3/32"	1-1/4"	1-3/8"
9440	3/8"	3/32"	7/8"	1"
9441	3/8"	3/32"	1"	1-1/8"
9443	3/8"	3/32"	1-1/8"	1-1/4"
9444	3/8"	3/32"	1-3/8"	1-1/2"
9446	1/2"	1/8"	1-11/32"	1-1/2"
9447	1/2"	1/8"	1-19/32"	1-3/4"

UNIT PACKAGE: 25



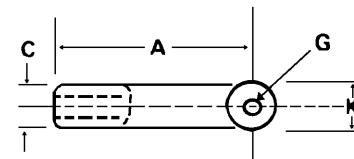
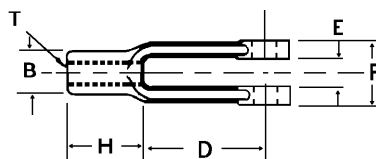
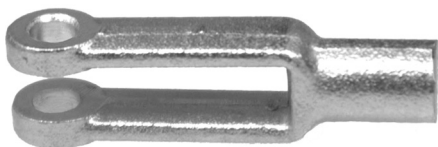
**Cotter Pins  
Hammer-Lock Type  
C 1008 Steel**

Auveco Part No. Plated	Auveco Part No. Plain	Size	Unit Pkg.
8477	3502	1/16" x 1/2"	200
8478	3503	1/16" x 3/4"	200
8479	3504	1/16" x 1"	200
14901	3505	1/16" x 1-1/4"	200
8480	3506	1/16" x 1-1/2"	200
	3508	1/16" x 2"	200
14903	3509	3/32" x 1/2"	200
8481		3/32" x 3/4"	200
8482	3511	3/32" x 1"	200
8483	3512	3/32" x 1-1/4"	200
8484	3513	3/32" x 1-1/2"	200
8485	3515	3/32" x 2"	200
14904	3519	1/8" x 3/4"	200
8486	3520	1/8" x 1"	200
8487	3521	1/8" x 1-1/4"	200
8488	3522	1/8" x 1-1/2"	200
8489		1/8" x 1-3/4"	200
8490	3524	1/8" x 2"	200
8491	3526	1/8" x 2-1/2"	200
8492		5/32" x 1"	100
14905	8506	5/32" x 1-1/4"	100
8493	8507	5/32" x 1-1/2"	100
14906	8508	5/32" x 1-3/4"	100
8494	8509	5/32" x 2"	100
14907	8511	5/32" x 2-1/2"	100
14908		5/32" x 3"	100
14909		3/16" x 1"	100
14910		3/16" x 1-1/4"	100
8495	8516	3/16" x 1-1/2"	100
8496	8518	3/16" x 2"	100
8497		3/16" x 2-1/2"	100
14911	8521	3/16" x 3"	100
8498		1/4" x 1-1/2"	100
8499		1/4" x 2"	100
8500		1/4" x 2-1/2"	100
8501	8530	1/4" x 3"	100
14912		1/4" x 4"	100
8502		5/16" x 2-1/2"	50
8503		5/16" x 3"	50

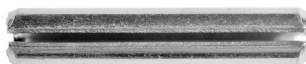
For assortments of Cotter Pins see Fix-Kit Assortment No. 6051, 6112 and Large Drawer (6500 Series) No. 6506

## Yoke Ends

Drop Forged • Adjustable • Zinc Finish



Auveco Part No.	"T" Tap Size	A	B	C	D	E	F	G	H	K	Unit Pkg.
10737	1/4"-28	2"	7/16"	7/16"	1-1/4"	9/32"	5/8"	1/4"	3/4"	1/2"	10
10788	1/4"-28	2"	7/16"	7/16"	1-1/4"	9/32"	5/8"	1/4"	3/4"	1/2"	2
10738	5/16"-24	2-1/4"	1/2"	1/2"	1-7/16"	11/32"	3/4"	5/16"	13/16"	19/32"	10
10789	5/16"-24	2-1/4"	1/2"	1/2"	1-7/16"	11/32"	3/4"	5/16"	13/16"	19/32"	2
10739	3/8"-24	2-1/2"	5/8"	5/8"	1-5/8"	7/16"	7/8"	3/8"	7/8"	11/16"	10
10790	3/8"-24	2-1/2"	5/8"	5/8"	1-5/8"	7/16"	7/8"	3/8"	7/8"	11/16"	2
10740	7/16"-20	2-7/8"	23/32"	23/32"	1-7/8"	1/2"	1"	7/16"	1"	13/16"	10
10791	7/16"-20	2-7/8"	23/32"	23/32"	1-7/8"	1/2"	1"	7/16"	1"	13/16"	2
10741	1/2"-20	3"	13/16"	13/16"	1-7/8"	9/16"	1-1/8"	1/2"	1-1/8"	15/16"	10
10792	1/2"-20	3"	13/16"	13/16"	1-7/8"	9/16"	1-1/8"	1/2"	1-1/8"	15/16"	2
10742	5/8"-18	4-15/16"	1-1/16"	1-1/16"	3-11/16"	11/16"	1-3/8"	5/8"	1-1/4"	1-3/16"	10
10793	5/8"-18	4-15/16"	1-1/16"	1-1/16"	3-11/16"	11/16"	1-3/8"	5/8"	1-1/4"	1-3/16"	2



## Spring Pins

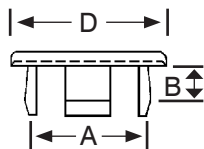
Zinc

Auveco Part No.	Dia.	Length	Wall Thick.	Unit Pkg.	Auveco Part No.	Dia.	Length	Wall Thick.	Unit Pkg.
8981	1/16"	3/16"	.012"	50	9019	3/16"	1/2"	.040"	50
8983	1/16"	1/2"	.012"	50	9021	3/16"	3/4"	.040"	50
8985	1/16"	3/4"	.012"	50	9022	3/16"	1"	.040"	50
8987	1/16"	1"	.012"	50	9023	3/16"	1-1/4"	.040"	50
8988	5/64"	1/4"	.018"	50	9024	3/16"	1-1/2"	.040"	50
8989	5/64"	1/2"	.018"	50	9025	3/16"	1-3/4"	.040"	50
8991	5/64"	3/4"	.018"	50	9026	3/16"	2"	.040"	50
8992	5/64"	1"	.018"	50	9027	7/32"	5/8"	.048"	50
8993	5/64"	1-1/4"	.018"	50	9028	7/32"	1-3/8"	.048"	50
8994	5/64"	1-1/2"	.018"	50	9029	7/32"	1-3/4"	.048"	50
8995	3/32"	5/16"	.022"	50	9030	1/4"	5/8"	.050"	50
8996	3/32"	1/2"	.022"	50	9031	1/4"	3/4"	.050"	50
8997	3/32"	5/8"	.022"	50	9033	1/4"	1"	.050"	50
8998	3/32"	3/4"	.022"	50	9034	1/4"	1-1/4"	.050"	50
8999	3/32"	7/8"	.022"	50	9035	1/4"	1-1/2"	.050"	50
9000	3/32"	1"	.022"	50	9036	1/4"	1-3/4"	.050"	50
9001	3/32"	1-1/4"	.022"	50	9037	1/4"	2"	.050"	50
9002	3/32"	1-1/2"	.022"	50	9038	1/4"	2-1/4"	.050"	50
9003	1/8"	3/8"	.028"	50	9039	1/4"	2-1/2"	.050"	50
9004	1/8"	1/2"	.028"	50	9040	5/16"	3/4"	.062"	50
9005	1/8"	5/8"	.028"	50	9042	5/16"	1"	.062"	50
9006	1/8"	3/4"	.028"	50	9043	5/16"	1-1/2"	.062"	50
9007	1/8"	7/8"	.028"	50	9044	5/16"	1-3/4"	.062"	25
9008	1/8"	1"	.028"	50	9045	5/16"	2"	.062"	25
9009	1/8"	1-1/4"	.028"	50	9046	5/16"	2-1/2"	.062"	25
9010	1/8"	1-1/2"	.028"	50	9048	3/8"	1"	.077"	25
9011	1/8"	1-3/4"	.028"	50	9049	3/8"	1-1/2"	.077"	25
9012	1/8"	2"	.028"	50	9050	3/8"	2"	.077"	25
9013	5/32"	1/2"	.032"	50	9051	3/8"	2-1/2"	.077"	25
9015	5/32"	3/4"	.032"	50					
9016	5/32"	1"	.032"	50					
9017	5/32"	1-1/4"	.032"	50					
9018	5/32"	1-1/2"	.032"	50					

For Spring Pin Assortments see Kits 6124, 6125 and Large Drawer (6500 Series) Assortment No. 6509 and 6510.

# Sec. 10

# PLUG BUTTONS



**Nylon Hole Plug**  
Nylon 6/6 • Matte Finish



Auveco Part No.	Hole Size (A)	Panel Thickness (B)	Head Size (D)	Head Height	Color	Unit Pkg.
13863	3/16"	1/32"-9/64"	11/32"	.040"	Black	100
13864	1/4"	1/32"-1/16"	27/64"	.040"	Natural	100
13865	1/4"	1/32"-1/16"	27/64"	.040"	Black	100
13866	5/16"	1/32"-9/64"	29/64"	.050"	Natural	100
13867	5/16"	1/32"-9/64"	29/64"	.050"	Black	100
13869	3/8"	1/32"-9/64"	37/64"	.050"	Black	100
13871	7/16"	1/32"-11/64"	39/64"	.050"	Black	50
13872	1/2"	1/32"-9/64"	43/64"	.062"	Natural	50
13873	1/2"	1/32"-9/64"	43/64"	.062"	Black	50
13875	9/16"	1/32"-9/64"	47/64"	.062"	Black	50
13876	5/8"	1/32"-5/64"	51/64"	.062"	Natural	50
13877	5/8"	1/32"-5/64"	51/64"	.062"	Black	50
13879	11/16"	1/32"-7/64"	57/64"	.062"	Black	50
13880	3/4"	1/32"-7/64"	63/64"	.062"	Natural	50
13881	3/4"	1/32"-7/64"	63/64"	.062"	Black	50
13883	13/16"	1/32"-7/64"	1-1/32"	.062"	Black	50
13885	7/8"	1/32"-7/64"	1-5/64"	.062"	Black	50
13887	1"	1/32"-7/64"	1-7/32"	.062"	Black	50



**Plastic Plug Buttons**  
Depressed Center  
Black Polyethylene

Auveco Part No.	Hole Size	Head Dia.	Working Thickness	Unit Pkg.
9288	1/2"	7/8"	.02 -.07"	100
9289	3/4"	1-5/32"	.02 -.14"	100
9290	7/8"	1-1/4"	.02 -.10"	100
9291	1"	1-3/8"	.04 -.10"	100
9292	1-1/4"	1-5/8"	.04 -.10"	100
9293	1-1/2"	1-7/8"	.04 -.10"	100
17207	1-3/4"	2-1/8"	.15 -.17"	50
17208	2"	2-3/8"	.17 -.19"	50
18798	2-1/2"	3"	.15 -.17"	25
18799	3"	3-1/2"	.18 -.20"	10



**Flush Sheet Metal Plugs**  
Fits 14 to 26 Gauge Material  
Black Polyethylene

Auveco Part No.	Hole Size	Head Dia.	Unit Pkg.
14923	3/8"	3/4"	100
11746	1/2"	7/8"	100
18750	5/8"	1-3/64"	100
11747	3/4"	1"	100
11748	7/8"	1-5/32"	100
11749	1"	1-7/16"	100
18800	1-1/4"	1-5/8"	50
18801	1-1/2"	1-7/8"	25
18802	1-3/4"	2-1/8"	25
18803	2"	2-7/16"	10
18804	2-1/2"	3"	10
18806	3"	3-3/8"	5



**Plug Buttons**  
Nickel Plated

Auveco Part No.	Hole Size	Head Dia.	Working Thickness	Unit Pkg.
3750	1/4"	13/32"	.035" -.062"	50
3751	3/8"	1/2"	.037" -.078"	50
3752	1/2"	21/32"	.037" -.062"	50
3753	5/8"	13/16"	.062" -.078"	50
3754	3/4"	15/16"	.037" -.093"	50
3755	7/8"	1-1/16"	.031" -.093"	50
3756	1"	1-1/8"	.062" -.093"	50
10231	1-1/4"	1-7/16"	.062" -.093"	10
10232	1-1/2"	1-21/32"	.038" -.141"	10

**FasTrack Web is your next step to savings.**  
**Recover money spent on repair fasteners**  
**during collision repair jobs.**

**Go to [www.auveco.com](http://www.auveco.com) to learn more about**  
**Auveco's FasTrack Web**  
**"Your body shop cost recovery system."**



# BLACK NYLON LOCKING HOLE PLUGS



These hole plugs are designed with multiple locks to positively snap into panel thicknesses ranging from 1/64" to 1/8". Excellent for paintless dent repair. Made of heat stabilized nylon and suitable for elevated temperatures.

Auveco Part No.	Panel Hole Diameter	Maximum Panel Thickness	Plug Dimensions		Unit Pkg.
			Head Diameter	Thickness	
19764	3/16"	1/16"	1/4"	15/64"	100
18900	1/4"	1/16"	5/16"	5/16"	50
19765	5/16"	1/16"	3/8"	5/16"	50
18901	3/8"	1/8"	15/32"	13/32"	50
19766	7/16"	1/8"	17/32"	13/32"	50
18902	1/2"	1/8"	37/64"	13/32"	50
19767	9/16"	1/8"	21/32"	13/32"	50
18903	5/8"	1/8"	23/32"	13/32"	50
18904	3/4"	1/8"	59/64"	13/32"	50
19769	13/16"	1/8"	57/64"	13/32"	50
18905	7/8"	1/8"	1-1/64"	29/64"	50
18906	1"	1/8"	1-13/64"	29/64"	50
19770	1-3/32"	1/8"	1-7/32"	29/64"	50
19771	1-3/16"	1/8"	1-5/16"	29/64"	50
18907	1-1/4"	1/8"	1-3/8"	29/64"	50
19772	1-3/8"	1/8"	1-1/2"	29/64"	25
18908	1-1/2"	1/8"	1-43/64"	29/64"	25
18909	1-3/4"	1/8"	1-29/32"	29/64"	25
18910	2"	1/8"	2-9/64"	29/64"	25

## KEYS

### Woodruff Keys

1035 Carbon Steel • Plain



3877



3878  
3880  
3881



3879  
3882  
3884



3883  
3885  
3888  
3891



3886  
3889  
3892  
3895



3887  
3890  
3893  
3896

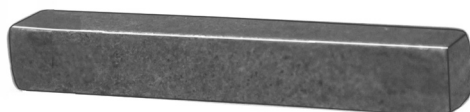


3894

Auveco Part No.	Size	Unit Pkg.	Auveco Part No.	Size	Unit Pkg.
3877	(No. 3) 1/8" x 1/2"	100	3887	(No. 16) 3/16" x 1-1/8"	50
3878	(No. 5) 1/8" x 5/8"	100	3888	(No. 12) 7/32" x 7/8"	50
3879	(No. 7) 1/8" x 3/4"	100	3889	(No. 14) 7/32" x 1"	50
3880	(No. 4) 3/32" x 5/8"	100	3890	(No. 17) 7/32" x 1-1/8"	50
3881	(No. 6) 5/32" x 5/8"	100	3891	(No. A) 1/4" x 7/8"	50
3882	(No. 8) 5/32" x 3/4"	100	3892	(No. 15) 1/4" x 1"	50
3883	(No. 10) 5/32" x 7/8"	100	3893	(No. 18) 1/4" x 1-1/8"	50
3884	(No. 9) 3/16" x 3/4"	100	3894	(No. 21) 1/4" x 1-1/4"	50
3885	(No. 11) 3/16" x 7/8"	100	3895	(No. B) 5/16" x 1"	50
3886	(No. 13) 3/16" x 1"	50	3896	(No. C) 5/16" x 1-1/8"	50

### Straight Keys

Plain



Auveco Part No.	Size	Unit Pkg.
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#### Short Lengths

9759	1/4" x 1/4" x 2-1/2"	10
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#### Long Lengths

9794	3/16" x 3/16" x 12"	5
9795	1/4" x 1/4" x 12"	5
9796	5/16" x 5/16" x 12"	5
9800	3/8" x 3/8" x 12"	5
9801	7/16" x 7/16" x 12"	5
9802	1/2" x 1/2" x 12"	5

**Vinyl Vacuum Caps**

Can be used for capping lines and hoses while testing carburetors, emission control systems, vacuum lines, etc.  
Color coded for size identification.



Auveco Part No.	I.D.	Fits Tube O.D.	Color	Length	Unit Pkg.
<b>18202</b>	1/8"	3/16"	Blue	5/8"	50
<b>18203</b>	3/16"	1/4"	Red	5/8"	50
<b>18204</b>	1/4"	5/16"	White	5/8"	50
<b>18205</b>	5/16"	3/8"	Black	5/8"	50

**Rubber Caps**

Special Heat Resistant EPDM Rubber  
Ford - GM - Chrysler



Can be used for capping lines and hoses while testing carburetors, emission control systems, vacuum lines, etc

Auveco Part No.	Fits Tube O.D.	Inside Length	Unit Pkg.
<b>12209</b>	1/8"	9/16"	25
<b>4440</b>	3/16"	9/16"	25
<b>16264</b>	3/16"	9/16"	100
<b>19000</b>	3/16"	1-1/4"	25
<b>4439</b>	1/4"	9/16"	25
<b>19001</b>	1/4"	1-1/4"	25
<b>19002</b>	5/16"	9/16"	25
<b>12907</b>	5/16"	1-1/4"	25
<b>12210</b>	3/8"	31/32"	25
<b>19003</b>	3/8"	1-1/2"	25
<b>12908</b>	1/2"	11/16"	10

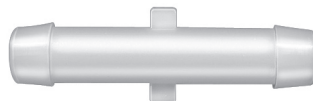
**NYLON CONNECTORS**



**12929**

1/8" x 1/8"  
Connector

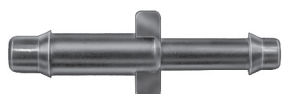
UNIT PACKAGE: 10



**12931**

1/4" x 1/4"  
Connector

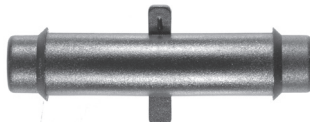
UNIT PACKAGE: 10



**12930**

1/8" x 3/16"  
Connector

UNIT PACKAGE: 10



**12946**

5/16" x 5/16"  
Connector

UNIT PACKAGE: 10



**12936**

1/8" x 1/4"  
Connector

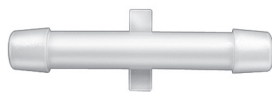
UNIT PACKAGE: 10



**12938**

3/8" x 1/4"  
Connector

UNIT PACKAGE: 10



**12937**

3/16" x 3/16"  
Connector

UNIT PACKAGE: 10



**12934**

3/8" x 3/8"  
Connector

UNIT PACKAGE: 10



**12935**

3/16" x 1/4"  
Connector

UNIT PACKAGE: 10

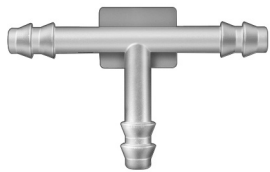


**18835**

(E1ZE-9E499-EA)

3/16" All Ends  
Emission Harness Connector  
Ford

UNIT PACKAGE: 25



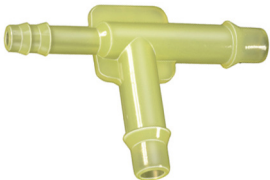
**12923**  
1/8" All Ends Tee  
UNIT PACKAGE: 10



**10697**  
1/8" All Ends Tee  
UNIT PACKAGE: 10



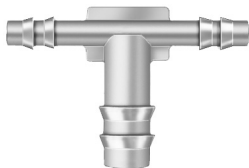
**12916**  
1/8" x 3/16" x 1/8" Tee  
UNIT PACKAGE: 10



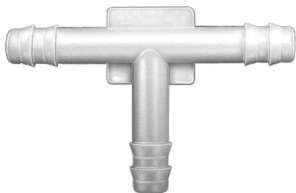
**12924**  
1/8" x 3/16" x 3/16" Tee  
UNIT PACKAGE: 10



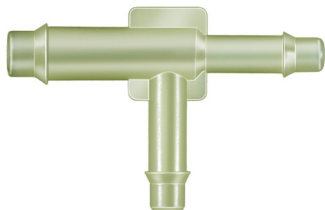
**12926**  
3/16" x 3/16" x 1/8" Tee  
UNIT PACKAGE: 10



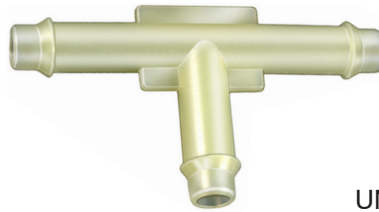
**12917**  
1/8" x 1/8" x 1/4" Tee  
UNIT PACKAGE: 10



**12918**  
3/16" All Ends Tee  
UNIT PACKAGE: 10



**12919**  
1/4" x 3/16" x 3/16" Tee  
UNIT PACKAGE: 10



**17629**  
1/4" All Ends Tee  
UNIT PACKAGE: 10



**11738**  
1/4" x 1/4" x 3/16" Tee  
UNIT PACKAGE: 10



**12921**  
3/8" x 3/8" x 1/4" Tee  
UNIT PACKAGE: 10



**12922**  
1/4" x 3/8" x 3/8" Tee  
UNIT PACKAGE: 10



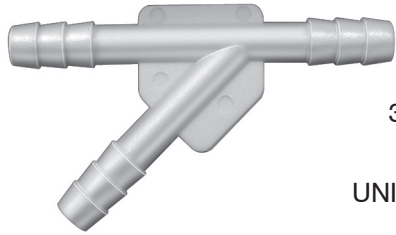
**12920**  
5/16" All Ends Tee  
UNIT PACKAGE: 10



**12925**  
3/8" All Ends Tee  
UNIT PACKAGE: 10

**Sec. 11**

**NYLON CONNECTORS**



**12927**

3/16" All Ends  
Y Connector

UNIT PACKAGE: 10



**12933**

1/4" x 1/4"  
Elbow

UNIT PACKAGE: 10



**12943**

1/4" All Ends  
Y Connector

UNIT PACKAGE: 10



**12940**

3/16" All Ends  
F Connector

UNIT PACKAGE: 10



**12944**

5/16" All Ends  
Y Connector

UNIT PACKAGE: 10



**12939**

3/16" All Ends  
Cross Connector

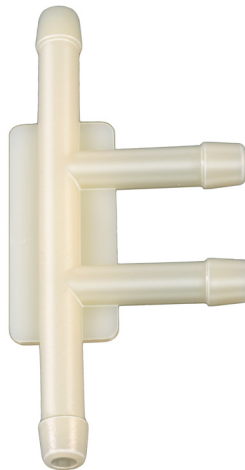
UNIT PACKAGE: 5



**12947**

1/8" x 3/16"  
Elbow

UNIT PACKAGE: 10



**11419**

3/16" All Ends  
4 Way Connector

UNIT PACKAGE: 25



**12932**

3/16" x 3/16"  
Elbow

UNIT PACKAGE: 10



**18836**

(E1ZE-9E499CA)

5/32" x 5/32" x 8/16"  
Emission Harness  
Elbow Connector  
Ford

UNIT PACKAGE: 25



**12949**

3/16" All Ends  
5 Way Tee

UNIT PACKAGE: 5



**12948**

3/16" x 1/4"  
Elbow

UNIT PACKAGE: 10

## Nylon Connectors Cross Reference O.E.M. Number Chart

Auveco Part No.	OEM No.	Auveco Part No.	OEM No.	Auveco Part No.	OEM No.
<b>11419</b>	GM: 560692, 22508803 Ford: 383847-S	<b>12924</b>	GM: 14017780	<b>12935</b>	GM: 1621253, 472812 Ford: 800843 AMC: 3239826
<b>11738</b>	GM: 3963228	<b>12925</b>	GM: 14023108 Ford: 388131-S		
<b>12916</b>	GM: 14025274, 14031144 Ford: 383016 Chry: 4241362	<b>12926</b>	GM: 14031114	<b>12936</b>	GM: 14017702
<b>12917</b>	GM: 1610403	<b>12927</b>	GM: 10003617, 22508052 Ford: 383031 AMC: 3236813	<b>12937</b>	GM: 560625, 22508051 Ford: 383003, 389138 Chry: 4104998
<b>12918</b>	GM: 357020, 272766, 22508050 Ford: 373846-S Chry: 3671410 AMC: 3673945	<b>12928</b>	GM: 14046514		
		<b>12929</b>	GM: 14047034 Ford: 383000 Chry: 4095145	<b>12938</b>	Ford: E0VE-9K319AB
<b>12919</b>	GM: 1617333, 10003294 Ford: 388034 12920 GM: 6466355 Chry: 4167810	<b>12930</b>	GM: 14017701 Ford: 383001 Chry: 3441743, 4241296	<b>12939</b>	GM: 354400 Ford: 387042 Chry: 4241054
		<b>12931</b>	GM: 1614858, 14004876, 10017487 Ford: 383005	<b>12940</b>	GM: 14029095
<b>12921</b>	GM: 472814 Ford: D9AE-9E645AA	<b>12932</b>	GM: 556992, 14031145, 22508049 Ford: 387065 Chry: 4100727	<b>12941</b>	GM: 14031149
<b>12922</b>	GM: 472815 Ford: 801471			<b>12943</b>	GM: 10004121 Chry: 4019472 AMC: 4006848
<b>12923</b>	GM: 14017705 Ford: 3895904 Chry: 3751212	<b>12933</b>	Ford: 387074	<b>12944</b>	Chry: 4179982
		<b>12934</b>	GM: 22505958 Chry: 4201198	<b>12946</b>	Chry: 4179981
				<b>12947</b>	GM: 14017779
				<b>12948</b>	Ford: 387980
				<b>12949</b>	Ford: 384111 AMC: 3237451



### Nylon Hose Connectors

Barbed on Both Ends

Auveco Part No.	Hose Size	Unit Pkg.
<b>10101*</b>	1/8" x 1/8"	10
<b>10102</b>	3/16" x 3/16"	10
<b>10103</b>	1/4" x 1/4"	10
<b>10104</b>	5/16" x 5/16"	10
<b>10105</b>	3/8" x 3/8"	10
<b>16961</b>	1/2" x 1/2"	10

\*Single barb on each end



### Nylon Reducer Connectors

Barbed on Both Ends

Auveco Part No.	Hose Size	Unit Pkg.
<b>10106</b>	1/4" x 3/16"	10
<b>10107</b>	3/8" x 1/4"	10



### Nylon Tubing & Hose Tee Connectors

Barbed on All Ends

Auveco Part No.	Hose Size I.D.	Unit Pkg.
<b>10108</b>	5/32" x 5/32" x 5/32"	10
<b>10109</b>	3/16" x 3/16" x 3/16"	10
<b>10110</b>	1/4" x 1/4" x 1/4"	10
<b>14813</b>	5/16" x 5/16" x 5/16"	10
<b>11228</b>	3/8" x 3/8" x 3/8"	10
<b>11229</b>	1/2" x 1/2" x 1/2"	10



### 11321 Butyrate

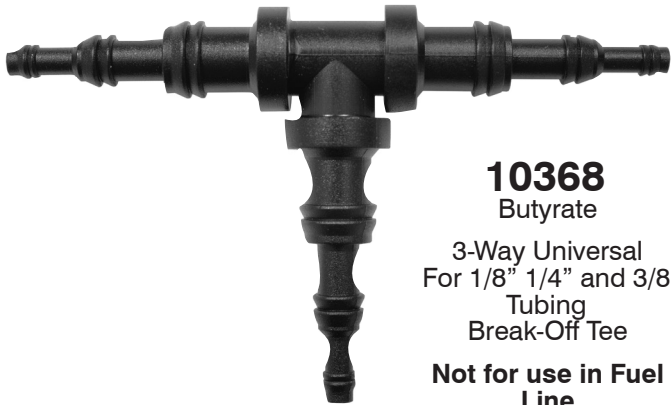
Universal Tubing Connector  
For 1/8", 1/4" or 3/8"  
For use with Vacuum and Windshield Washer Tubing

**Not for use in Fuel Line**

UNIT PACKAGE: 10



*Photos are not actual size*



**10368**  
Butyrate  
3-Way Universal  
For 1/8" 1/4" and 3/8"  
Tubing  
Break-Off Tee  
**Not for use in Fuel  
Line**

UNIT PACKAGE: 5



**11224**  
Non-Corrosive  
Black Polyethylene  
High-Density Tubing and Hose Elbows  
Barbed on Both Sides  
Hose Size: 3/8" x 3/8" I.D.

UNIT PACKAGE: 10



**16654**  
Santoprene Rubber  
4mm All Ends

UNIT PACKAGE: 25



**11226**  
Non-Corrosive  
Black Polyethylene  
High-Density Tubing and  
Hose Tee Connectors  
Pipe Thread: 1/4"  
Hose Size: 1/4" x 1/4" I.D.

UNIT PACKAGE: 10



**11220**  
Non-Corrosive  
Black Polyethylene  
High-Density Tubing and Hose Elbows  
Pipe Thread: 1/4"  
Hose Size: 3/8" I.D.

UNIT PACKAGE: 10

**AIRLINE COUPLINGS**

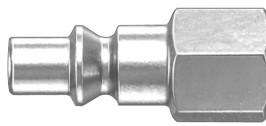
**210 Series:** Push-to-connect, pin-type hose couplings designed for one-way shutoff in 1/4" capacity. **Average flow:** 18 cfm at 90 PSIG (6.2 bar) inlet and 10 PSIG (0.69 bar) pressure drop. Maximum inlet pressure: 250 PSIG (17 bar). Zinc chromate finish.



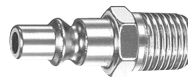
**16045**  
1/4" Female NPT  
UNIT PKG: 5



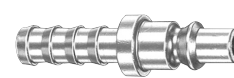
**16046**  
1/4" Male NPT  
UNIT PKG: 5



**16049**  
1/4" Female NPT  
UNIT PKG: 5



**16051**  
1/4" Male NPT  
UNIT PKG: 5



**16052**  
1/4" Hose Stem I.D.  
UNIT PKG: 5

**MS Series:** For use with industrial interchange style connectors. Push-to-connect type designed for one-way shutoff in 1/4" capacity. **Average flow:** 36 cfm at 90 PSIG (6.2 bar) inlet and 10 PSIG (0.69 bar) pressure drop. Maximum inlet pressure: 250 PSIG(17 bar). Zinc Chromate finish.



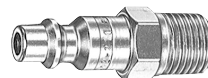
**16066**  
1/4" Female NPT  
UNIT PKG: 5



**16067**  
1/4" Male NPT  
UNIT PKG: 5



**16070**  
1/4" Female NPT  
UNIT PKG: 5



**16071**  
1/8" Male NPT  
UNIT PKG: 5



**16072**  
1/4" Male NPT  
UNIT PKG: 5