

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



18898

(45262)
Phosphate

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

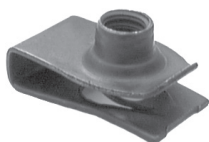


8359

(1480627, 1494252)
Phosphate

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

UNIT PACKAGE: 50

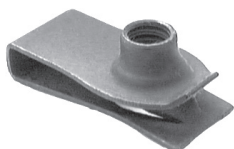


10050

(45263-S2)
Phosphate

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

UNIT PACKAGE: 25



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

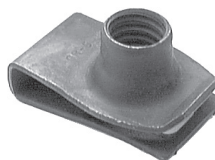


8375

(152266)
Phosphate

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

UNIT PACKAGE: 50

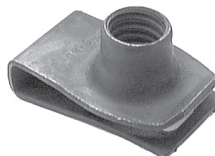


10053

(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



12265

(45264-S2)
Phosphate

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

UNIT PACKAGE: 50

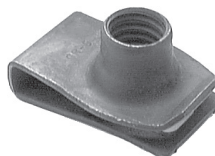


8377

(1480909)
Phosphate

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

UNIT PACKAGE: 50

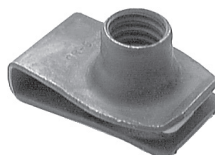


8372

(152267)
Phosphate

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



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



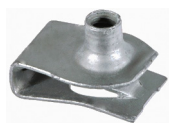
10055

(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

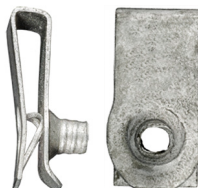


21040

(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

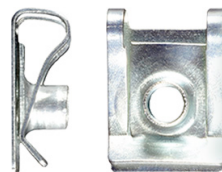


22074

(GM: 1151638)
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

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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

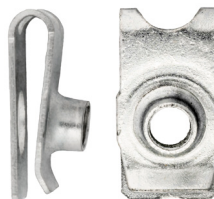


12669

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



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



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



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



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



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



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

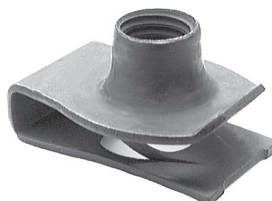
UNIT PACKAGE: 15



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

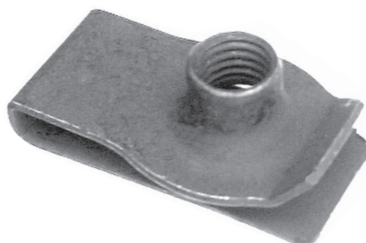
UNIT PACKAGE: 25



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



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"	612		7613				
#6	11/64"	7/16"	614	7143	7615	16011	100		
#8	13/64"	1/2"	616	7145	7616	16012	100		
#10	1/4"	19/32"	618	7147	7618	16013	100	16593	100
#12	9/32"	11/16"	619	7148					



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"	3469		3470	100
#8	13/64"	5/8"	2515	16009	2597	100
#10	1/4"	11/16"	3471		3472	100



Flush Type Washers Nickel Plated on Brass

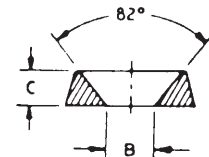
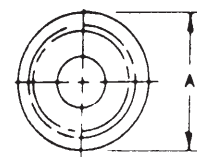
Unit Pkg. 100	Unit Pkg. 144	Unit Pkg. 1000	Screw Size	I.D.	O.D.
602	7137	7624	#6	5/32"	11/32"
604	7138	7625	#8	3/16"	3/8"
16015		16016	#10	13/64"	15/32"

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.
13717	#6	.437" (11.10mm)	.143" (3.63mm)	.100" (2.54mm)	Black	50
13718	#8	.515" (13.08mm)	.171" (4.34mm)	.115" (2.92mm)	Natural	50
13719	#8	.515" (13.08mm)	.171" (4.34mm)	.115" (2.92mm)	Black	50
13720	#10	.580" (14.73mm)	.191" (4.85mm)	.152" (3.86mm)	Natural	50
13721	#10	.580" (14.73mm)	.191" (4.85mm)	.152" (3.86mm)	Black	50
13723	#12	.609" (15.47mm)	.225" (5.72mm)	.160" (4.06mm)	Black	50
13724	#14	.683" (17.35mm)	.251" (6.38mm)	.183" (4.65mm)	Natural	50
13725	#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"	8605		100
1/4"	5/16"	3/4"	1/16"	8606	3929	100
5/16"	3/8"	7/8"	1/16"	8607	3930	100
3/8"	7/16"	1"	5/64"	8608	3931	100
7/16"	1/2"	1-1/4"	5/64"	8609	3932	100
1/2"	9/16"	1-3/8"	7/64"	8610	3933	100
9/16"	5/8"	1-1/2"	7/64"	8611		100
5/8"	11/16"	1-3/4"	9/64"	8612	3935*	50
3/4"	13/16"	2"	5/32"	8613		50

* Unit package quantity is 100



SAE Washers Zinc

Auveco Part No.	Bolt Size	I.D.	O.D.	Thick-ness	Unit Pkg.
3984	#6 (1/8")	5/32"	3/8"	3/64"	100
16721	#8 (5/32")	3/16"	7/16"	3/64"	100
3985	#10 (3/16")	7/32"	1/2"	1/16"	100
3986	1/4"	9/32"	5/8"	1/16"	100
3987	5/16"	11/32"	11/16"	1/16"	100
3988	3/8"	13/32"	13/16"	1/16"	100
3989	7/16"	15/32"	15/16"	1/16"	100
3990	1/2"	17/32"	1-1/16"	3/32"	100
3991	9/16"	19/32"	1-3/16"	3/32"	100
3992	5/8"	21/32"	1-5/16"	3/32"	100
3993	3/4"	13/16"	1-1/2"	1/8"	100
8621	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.	Thickness	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: 465HVI

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



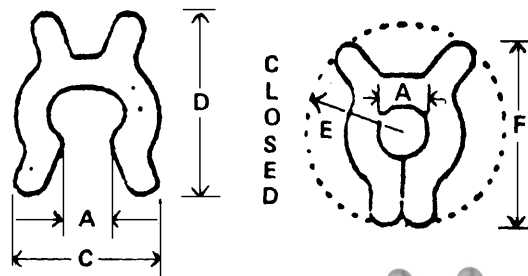
**Internal-External
Combination
Lock Washers**
Zinc

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



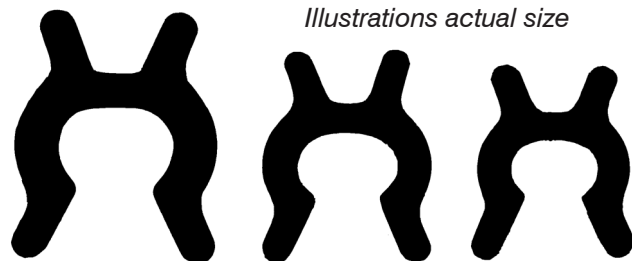
X-Washers
Zinc



Auveco Part No.	Material Thick- ness	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

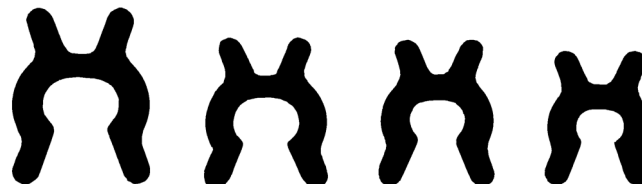
Illustrations actual size



13701

13699

13698



13697

13696

13695

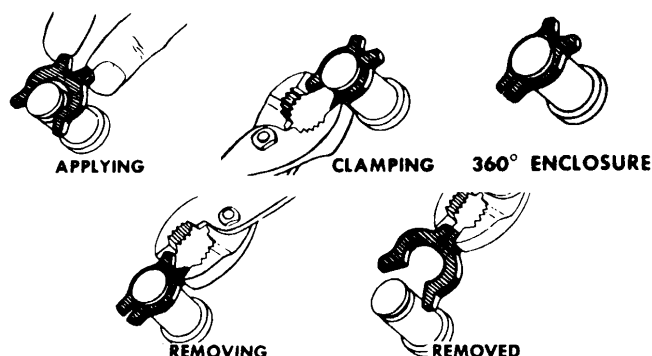
13694



13693

13692

13691



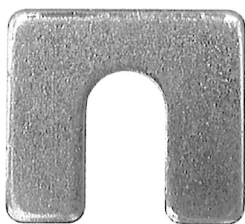
APPLYING

CLAMPING

360° ENCLOSURE

REMOVING

REMOVED



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: 3/4"
Zinc

3000

Thick: 1/8"

UNIT PKG: 50

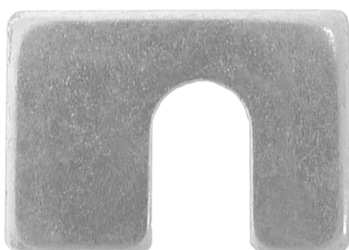


1-3/8" x 1-1/4"
Slot: 5/8"
Zinc

20322

Thick: 1/8"

UNIT PKG: 50



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

2452

Thick: 1/16"

UNIT PKG: 50

2453

Thick: 1/8"

UNIT PKG: 50



**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



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

2999

1/8" Thick

UNIT PKG: 50



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

20448

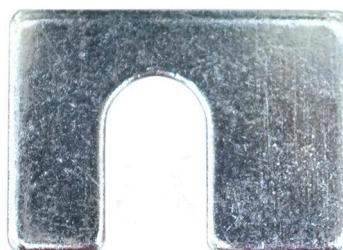
Thick: 1/16"

UNIT PKG: 50

20449

Thick: 1/8"

UNIT PKG: 50



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

8445

Thick: 1/8"

(10 Gauge Steel)

UNIT PACKAGE: 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



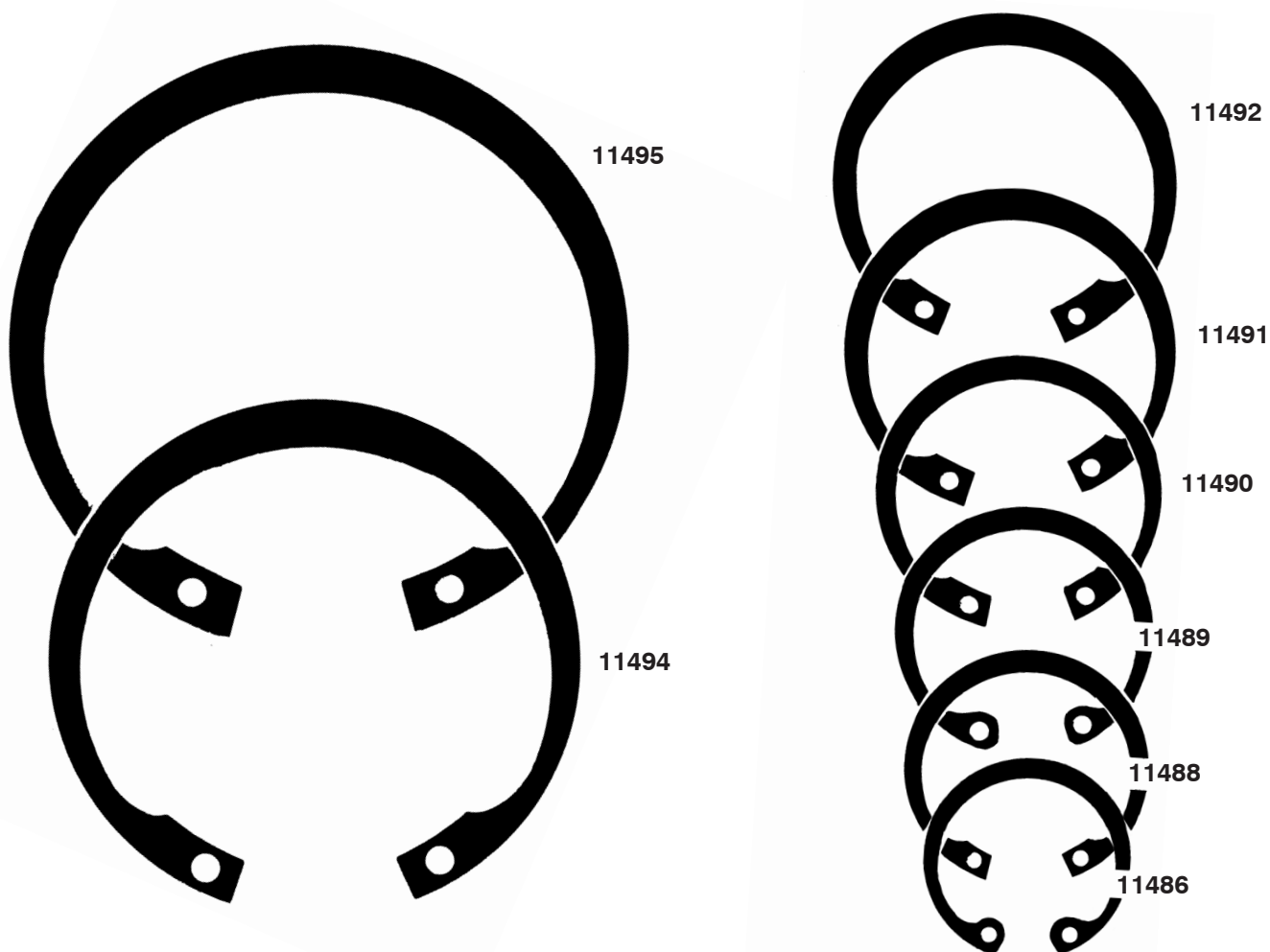
**Caster and Camber Shims
Chevrolet and GMC
Trucks**

1-1/2" x 2-1/2"
Slot: 9/16"
Zinc

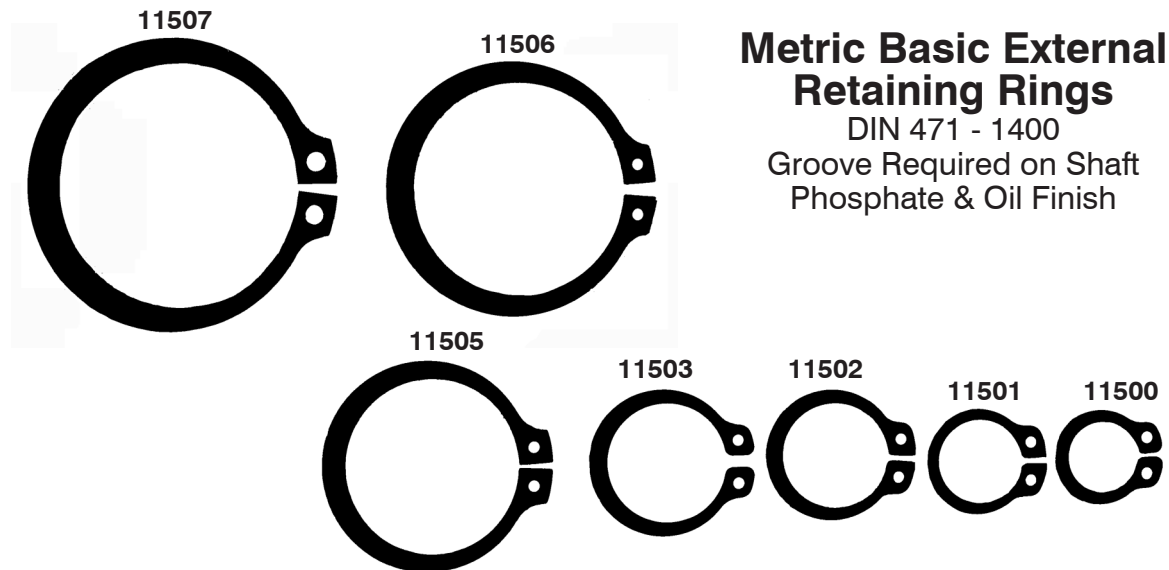
Auveco Part No.	Thickness	Unit Pkg.
5096	1/32"	50
5097	1/16"	50

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	
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



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

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	
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	1.85	.0728	50

Internal Self-Locking Retaining Rings

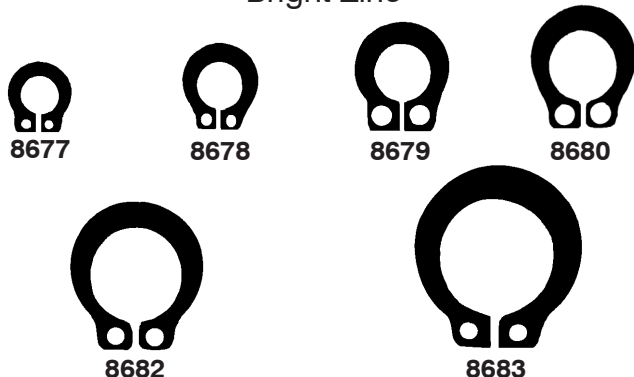


No Groove Required
Bright Zinc

Auveco Part No.	Shaft Diameter	Unit Pkg.
8715	3/16" - (.184 to .192 Shaft)	100

External Grip Rings

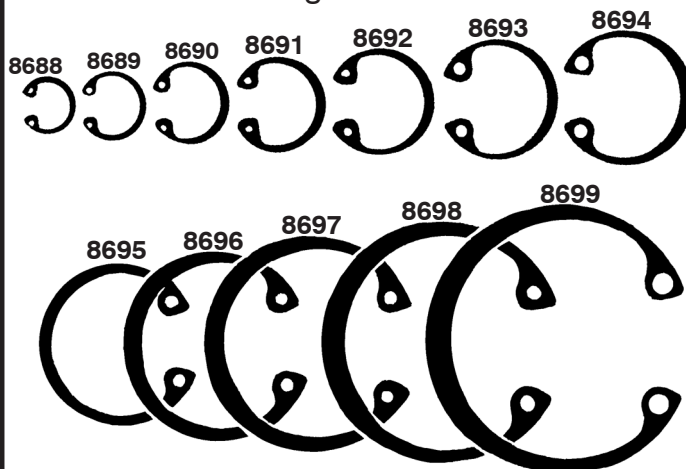
No Groove Required
Bright Zinc



Auveco Part No.	Shaft Diameter	Unit Pkg.
8677	3/16" - (.185 to .189 Shaft)	50
8678	1/4" - (.248 to .252 Shaft)	50
8680	3/8" - (.373 to .379 Shaft)	50
8682	1/2" - (.497 to .503 Shaft)	50
8683	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.
8688	1/4"	.268"	.020"	50
8689	5/16"	.330"	.020"	50
8690	3/8"	.397"	.029"	50
8691	7/16"	.461"	.029"	50
8692	1/2"	.530"	.039"	50
8693	9/16"	.596"	.039"	50
8694	5/8"	.665"	.039"	50
8695	3/4"	.796"	.039"	50
8696	7/8"	.931"	.046"	50
8697	1"	1.066"	.046"	50
8698	1-1/8"	1.197"	.056"	50
8699	1-1/4"	1.330"	.056"	50

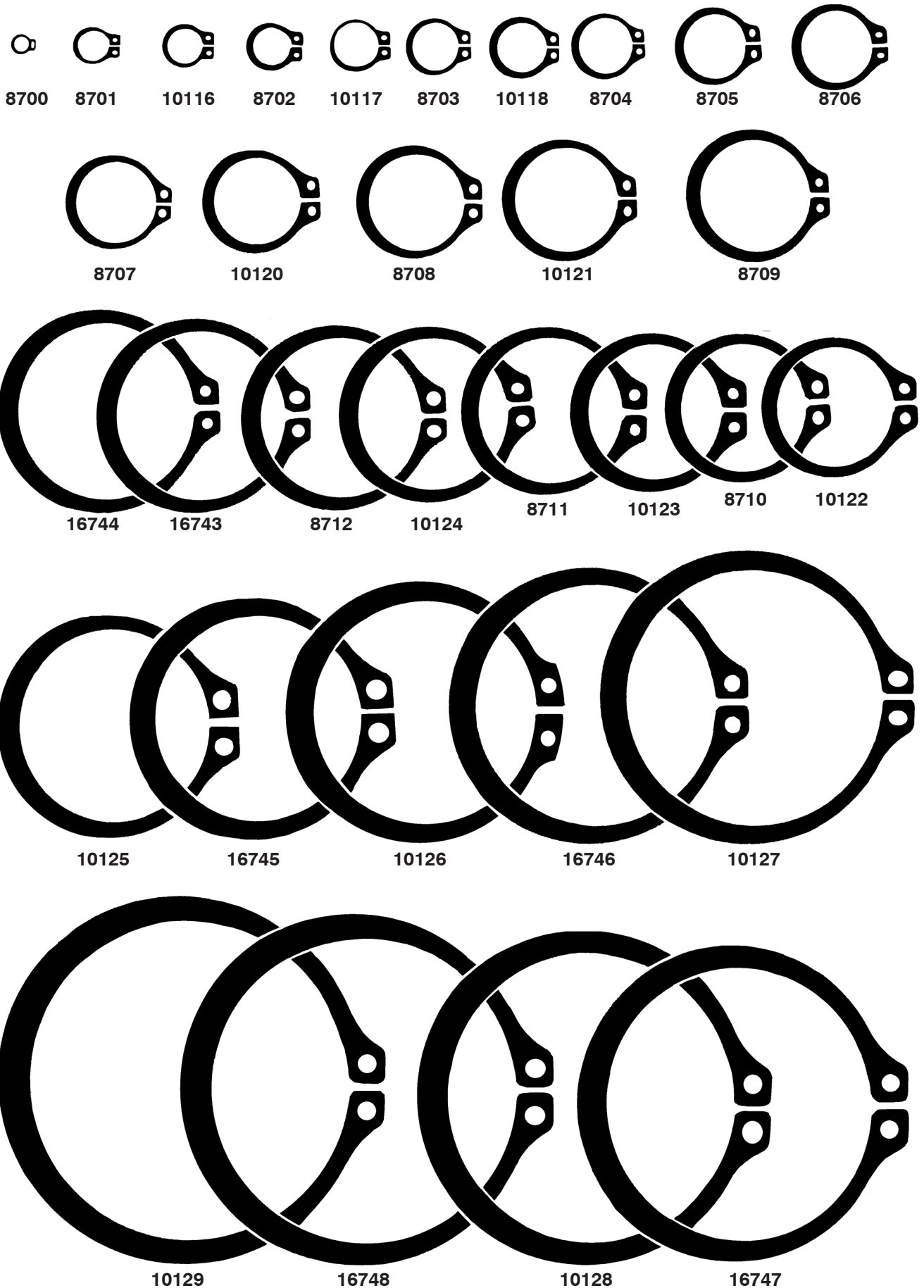
Basic External Retaining Rings

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.
8700	1/8"	.117"	.012"	50	8710	1"	.940"	.046"	50
8701	1/4"	.230"	.029"	50	10123	1-1/16"	.998"	.056"	50
10116	9/32"	.261"	.029"	50	8711	1-1/8"	1.059"	.056"	50
8702	5/16"	.290"	.029"	50	10124	1-3/16"	1.118"	.056"	50
10117	11/32"	.321"	.029"	50	8712	1-1/4"	1.176"	.056"	50
8703	3/8"	.352"	.029"	50	16743	1-5/16"	1.232"	.056"	50
10118	13/32"	.382"	.029"	50	16744	1-3/8"	1.291"	.056"	50
8704	7/16"	.412"	.029"	50	10125	1-1/2"	1.406"	.056"	25
8705	1/2"	.468"	.039"	50	16745	1-5/8"	1.529"	.068"	25
8706	9/16"	.530"	.039"	50	10126	1-3/4"	1.650"	.068"	25
8707	5/8"	.588"	.039"	50	16746	1-7/8"	1.769"	.068"	25
10120	11/16"	.646"	.046"	50	10127	2"	1.886"	.068"	10
8708	3/4"	.704"	.046"	50	16747	2-1/8"	2.003"	.086"	10
10121	13/16"	.762"	.046"	50	10128	2-1/4"	2.120"	.086"	10
8709	7/8"	.821"	.046"	50	16748	2-3/8"	2.239"	.086"	10
10122	15/16"	.882"	.046"	50	10129	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

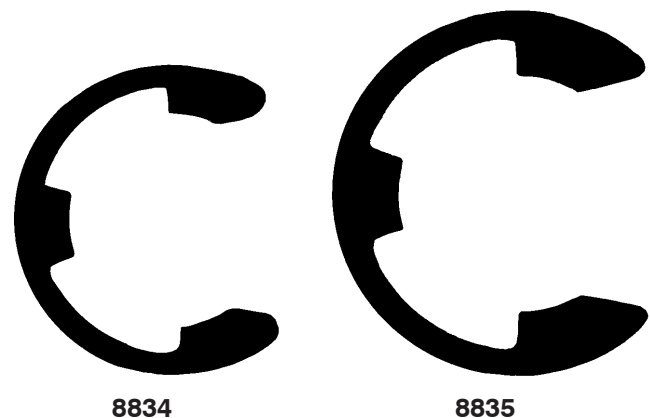
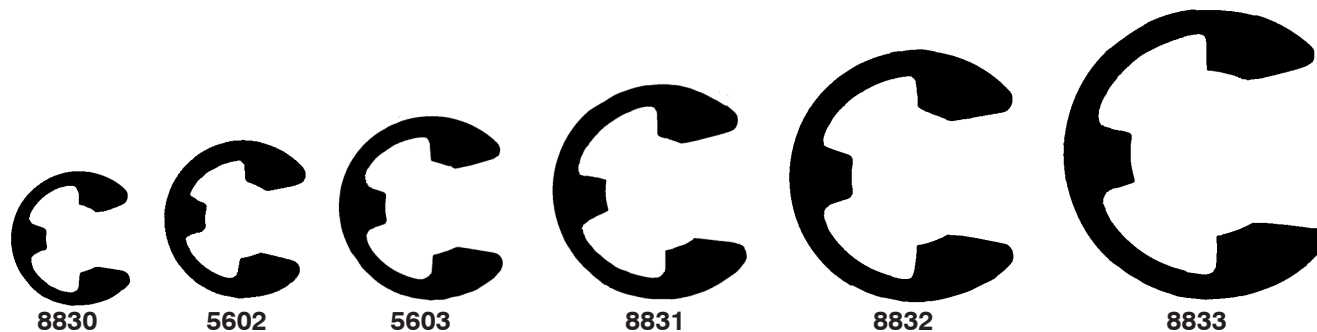
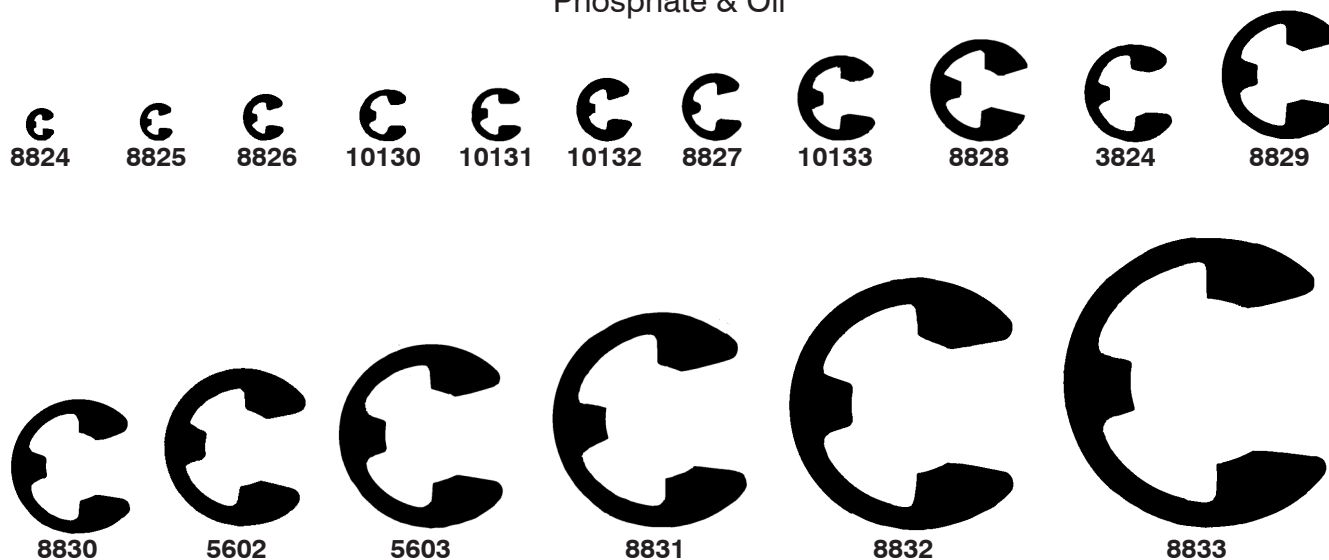


Reinforced E Type Retaining Rings

				Auveco Part No.	Shaft Dia.	Groove Dia.	Groove Width	Unit Pkg.
8836	3165	10134	3166	8836	3/32"	.074"	.018"	100
				3165	1/8"	.095"	.018"	100
10135	3167	3628	5600	10134	5/32"	.116"	.029"	100
				3166	3/16"	.147"	.029"	100
2672	8837	5601		10135	7/32"	.188"	.029"	100
				3167	1/4"	.210"	.029"	100
				3628	5/16"	.250"	.039"	100
				5600	3/8"	.303"	.039"	100
				2672	7/16"	.343"	.039"	100
				8837	1/2"	.396"	.046"	100
				5601	9/16"	.437"	.046"	100

E Type Retaining Rings

Phosphate & Oil



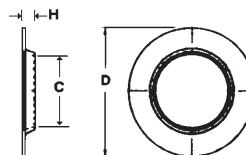
Auveco Part No.	Shaft Dia.	Groove Dia.	Groove Width	Unit Pkg.
8824	1/16"	.052"	.012"	100
8825	3/32"	.074"	.018"	100
8826	1/8"	.095"	.018"	100
10130	9/64"	.105"	.018"	100
10131	5/32"	.116"	.029"	100
10132	11/64"	.127"	.029"	100
8827	3/16"	.147"	.029"	100
10133	7/32"	.188"	.029"	100
8828	1/4"	.210"	.029"	100
3824	5/16"	.250"	.029"	100
8829	3/8"	.303"	.039"	100
8830	7/16"	.343"	.039"	100
5602	1/2"	.396"	.046"	100
5603	5/8"	.485"	.046"	100
8831	3/4"	.580"	.056"	50
8832	7/8"	.675"	.056"	50
8833	1"	.835"	.056"	50
8834	1-3/16"	1.079"	.068"	50
8835	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

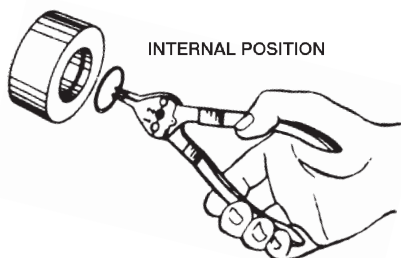
Grooveless Retainer Ring

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"

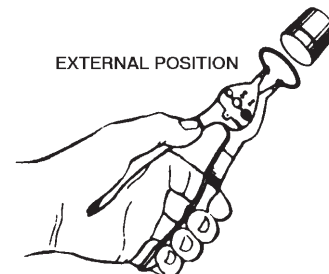


INTERNAL POSITION

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



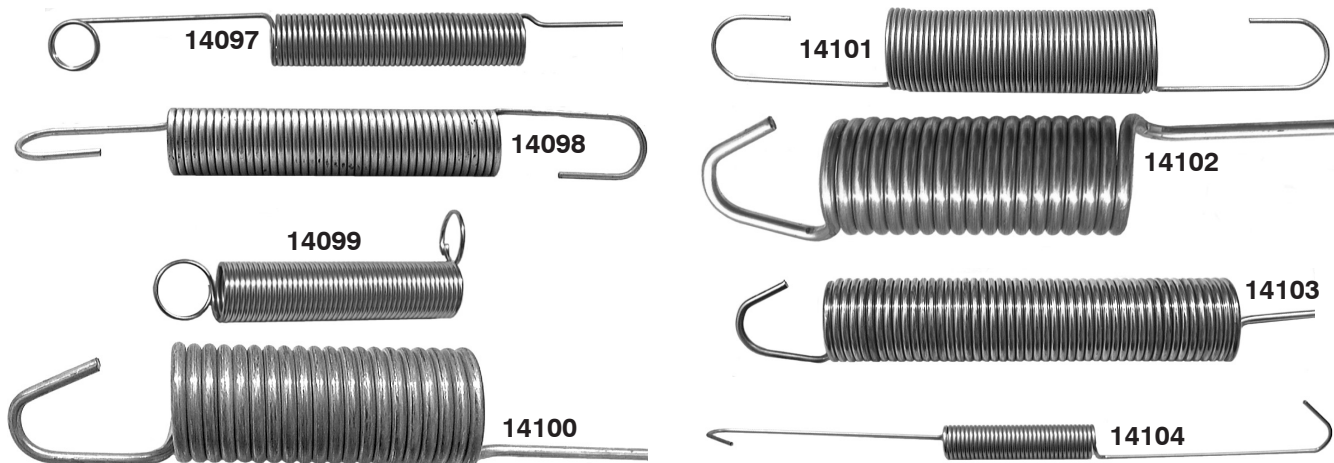
Type 6

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"

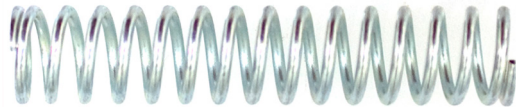
*Not Zinc Plated

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

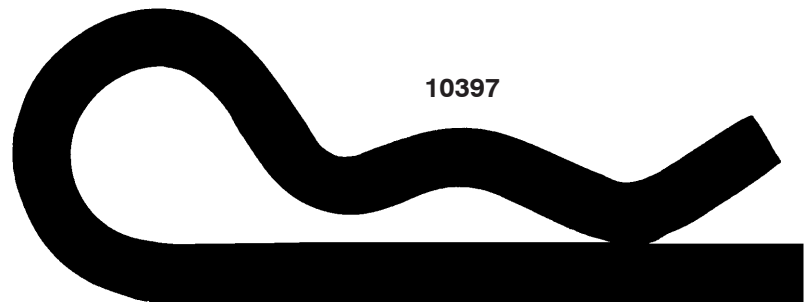
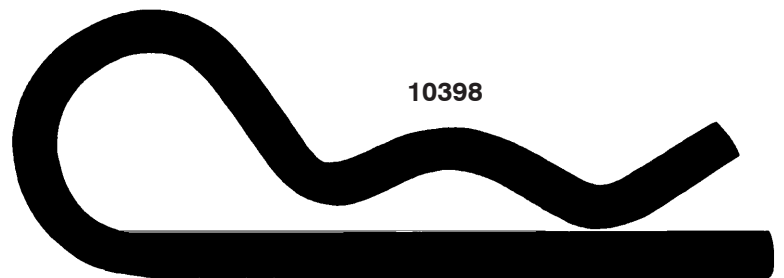
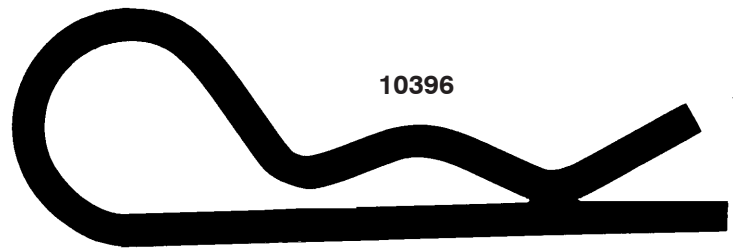
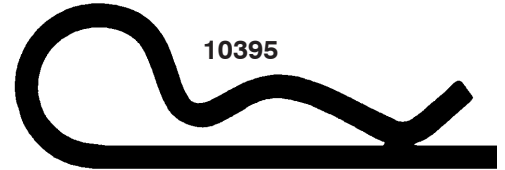
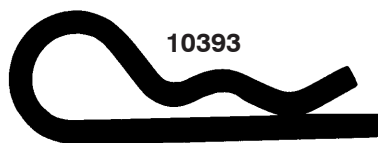
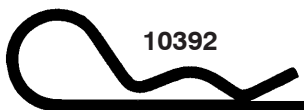
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Auveco Part No.	Inside Diameter	Overall Length	Wire Dia.	Unit Pkg.
9114	1/16"	3/8"	.035"	100
9894	1/16"	19/32"	.045"	100
10390	7/64"	3/4"	.050"	100
9112	1/8"	1-1/8"	.070"	100
9110	3/16"	1-3/16"	.070"	100

Hair Pin Cotters

Zinc



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 Cotters



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

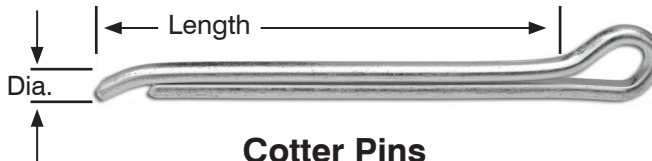
Auveco Part No.	Pin Size	Ring I.D.	Ring O.D.	Unit Pkg.
11733	7/16" O.D. x 2-1/2" Long Black Powder Coated	1-7/8"	2-1/4"	5
11736	1/4" O.D. x 2-1/8" Long Zinc Plated	1-5/8"	1-7/8"	10



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



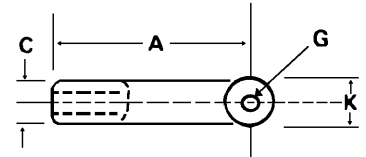
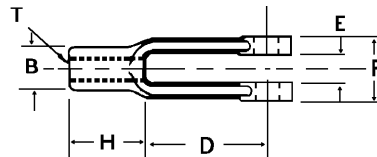
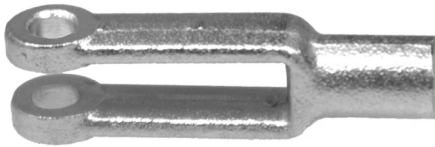
Cotter Pins Hammer-Lock Type C 1008 Steel

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

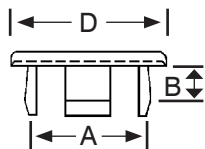
Zinc

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 to learn more about
Auveco's FasTrack Web
"Your body shop cost recovery system."

BLACK NYLON LOCKING HOLE PLUGS

Sec. 10



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



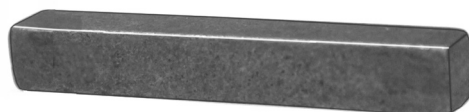
3894

Auveco Part No.	Size	Unit Pkg.
3877	(No. 3) 1/8" x 1/2"	100
3878	(No. 5) 1/8" x 5/8"	100
3879	(No. 7) 1/8" x 3/4"	100
3880	(No. 4) 3/32" x 5/8"	100
3881	(No. 6) 5/32" x 5/8"	100
3882	(No. 8) 5/32" x 3/4"	100
3883	(No. 10) 5/32" x 7/8"	100
3884	(No. 9) 3/16" x 3/4"	100
3885	(No. 11) 3/16" x 7/8"	100
3886	(No. 13) 3/16" x 1"	50

Auveco Part No.	Size	Unit Pkg.
3887	(No. 16) 3/16" x 1-1/8"	50
3888	(No. 12) 7/32" x 7/8"	50
3889	(No. 14) 7/32" x 1"	50
3890	(No. 17) 7/32" x 1-1/8"	50
3891	(No. A) 1/4" x 7/8"	50
3892	(No. 15) 1/4" x 1"	50
3893	(No. 18) 1/4" x 1-1/8"	50
3894	(No. 21) 1/4" x 1-1/4"	50
3895	(No. B) 5/16" 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.
18202	1/8"	3/16"	Blue	5/8"	50
18203	3/16"	1/4"	Red	5/8"	50
18204	1/4"	5/16"	White	5/8"	50
18205	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.
12209	1/8"	9/16"	25
4440	3/16"	9/16"	25
16264	3/16"	9/16"	100
19000	3/16"	1-1/4"	25
4439	1/4"	9/16"	25
19001	1/4"	1-1/4"	25
19002	5/16"	9/16"	25
12907	5/16"	1-1/4"	25
12210	3/8"	31/32"	25
19003	3/8"	1-1/2"	25
12908	1/2"	11/16"	10

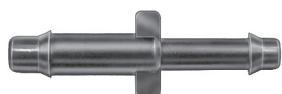
NYLON CONNECTORS



12929

1/8" x 1/8"
Connector

UNIT PACKAGE: 10



12930

1/8" x 3/16"
Connector

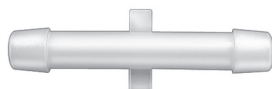
UNIT PACKAGE: 10



12936

1/8" x 1/4"
Connector

UNIT PACKAGE: 10



12937

3/16" x 3/16"
Connector

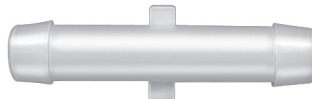
UNIT PACKAGE: 10



12935

3/16" x 1/4"
Connector

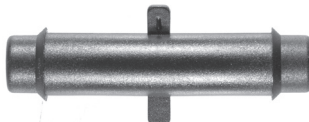
UNIT PACKAGE: 10



12931

1/4" x 1/4"
Connector

UNIT PACKAGE: 10



12946

5/16" x 5/16"
Connector

UNIT PACKAGE: 10



12938

3/8" x 1/4"
Connector

UNIT PACKAGE: 10



12934

3/8" x 3/8"
Connector

UNIT PACKAGE: 10

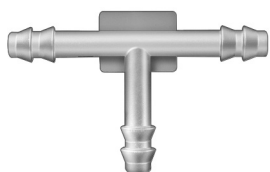


18835

(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

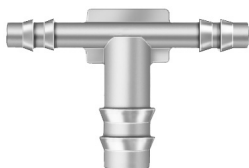
UNIT PACKAGE: 10



12926

3/16" x 3/16" x 1/8"
Tee

UNIT PACKAGE: 10



12917

1/8" x 1/8" x 1/4"
Tee

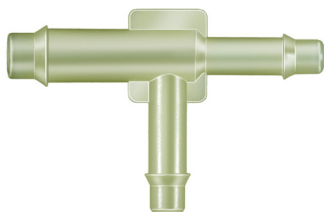
UNIT PACKAGE: 10



12918

3/16" All Ends
Tee

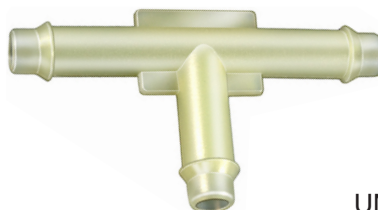
UNIT PACKAGE: 10



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" 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

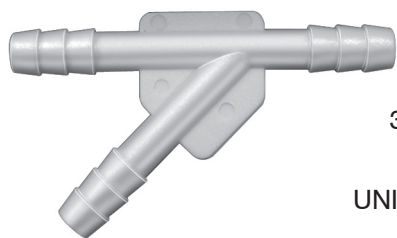
UNIT PACKAGE: 10



12925

3/8" All Ends
Tee

UNIT PACKAGE: 10



12927

3/16" All Ends
Y Connector

UNIT PACKAGE: 10



12943

1/4" All Ends
Y Connector

UNIT PACKAGE: 10



12944

5/16" All Ends
Y Connector

UNIT PACKAGE: 10



12947

1/8" x 3/16"
Elbow

UNIT PACKAGE: 10



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



12948

3/16" x 1/4"
Elbow

UNIT PACKAGE: 10



12933

1/4" x 1/4"
Elbow

UNIT PACKAGE: 10



12940

3/16" All Ends
F Connector

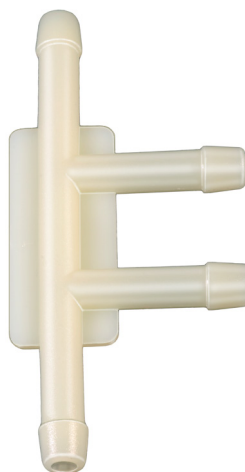
UNIT PACKAGE: 10



12939

3/16" All Ends
Cross Connector

UNIT PACKAGE: 5



11419

3/16" All Ends
4 Way Connector

UNIT PACKAGE: 25



12949

3/16" All Ends
5 Way Tee

UNIT PACKAGE: 5

Nylon Connectors Cross Reference

O.E.M. Number Chart

Auveco Part No.	OEM No.	Auveco Part No.	OEM No.	Auveco Part No.	OEM No.
11419	GM: 560692, 22508803 Ford: 383847-S	12924	GM: 14017780	12935	GM: 1621253, 472812 Ford: 800843 AMC: 3239826
11738	GM: 3963228	12925	GM: 14023108 Ford: 388131-S	12936	GM: 14017702
12916	GM: 14025274, 14031144 Ford: 383016 Chry: 4241362	12926	GM: 14031114	12937	GM: 560625, 22508051 Ford: 383003, 389138 Chry: 4104998
12917	GM: 1610403	12927	GM: 10003617, 22508052 Ford: 383031 AMC: 3236813	12938	Ford: E0VE-9K319AB
12918	GM: 357020, 272766, 22508050 Ford: 373846-S Chry: 3671410 AMC: 3673945	12928	GM: 14046514	12939	GM: 354400 Ford: 387042 Chry: 4241054
12919	GM: 1617333, 10003294 Ford: 388034 12920 GM: 6466355 Chry: 4167810	12929	GM: 14047034 Ford: 383000 Chry: 4095145	12940	GM: 14029095
12921	GM: 472814 Ford: D9AE-9E645AA	12930	GM: 14017701 Ford: 383001 Chry: 3441743, 4241296	12941	GM: 14031149
12922	GM: 472815 Ford: 801471	12931	GM: 1614858, 14004876, 10017487 Ford: 383005	12943	GM: 10004121 Chry: 4019472 AMC: 4006848
12923	GM: 14017705 Ford: 3895904 Chry: 3751212	12932	GM: 556992, 14031145, 22508049 Ford: 387065 Chry: 4100727	12944	Chry: 4179982
		12933	Ford: 387074	12946	Chry: 4179981
		12934	GM: 22505958 Chry: 4201198	12947	GM: 14017779
				12948	Ford: 387980
				12949	Ford: 384111 AMC: 3237451



Nylon Hose Connectors

Barbed on Both Ends

Auveco Part No.	Hose Size	Unit Pkg.
10101*	1/8" x 1/8"	10
10102	3/16" x 3/16"	10
10103	1/4" x 1/4"	10
10104	5/16" x 5/16"	10
10105	3/8" x 3/8"	10
16961	1/2" x 1/2"	10

*Single barb on each end



Nylon Reducer Connectors

Barbed on Both Ends

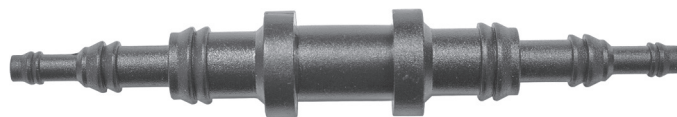
Auveco Part No.	Hose Size	Unit Pkg.
10106	1/4" x 3/16"	10
10107	3/8" x 1/4"	10



Nylon Tubing & Hose Tee Connectors

Barbed on All Ends

Auveco Part No.	Hose Size I.D.	Unit Pkg.
10108	5/32" x 5/32" x 5/32"	10
10109	3/16" x 3/16" x 3/16"	10
10110	1/4" x 1/4" x 1/4"	10
14813	5/16" x 5/16" x 5/16"	10
11228	3/8" x 3/8" x 3/8"	10
11229	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