AUVECO THIN SHEET NUTSERT® INSERTS

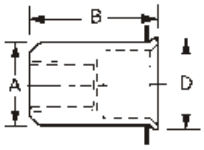
U.S.S., S.A.E. & Metric -Steel & Aluminum

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 withstanding 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 The tool is withdrawn, leaving the Thin Sheet Nutsert ready to receive a bolt or screw.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.



1. Insert TSN into prepared hole.

2. Engage the tool

3. TSN installed With standard head configuration

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 92.

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	6-32 U.S.S.	.020-.080"	.249"	.410"	.287"	.250-.254"	1/4"
11311	13478	50	8-32 U.S.S.	.020-.080"	.249"	.410"	.287"	.250-.254"	1/4"
11316	13479	100	8-32 U.S.S.	.020-.080"	.249"	.410"	.287"	.250-.254"	1/4"
11312	13480	50	10-24 U.S.S.	.020-.130"	.280"	.465"	.320"	.281-.285"	9/32"
11317	13481	100	10-24 U.S.S.	.020-.130"	.280"	.465"	.320"	.281-.285"	9/32"
12978	——	50	10-32 S.A.E.	.020-.130"	.280"	.465"	.320"	.281-.285"	9/32"
12979	——	100	10-32 S.A.E.	.020-.130"	.280"	.465"	.320"	.281-.285"	9/32"
11313	——	25	1/4"-20 U.S.S.	.030-.165"	.347"	.610"	.415"	.375-.379"	3/8"
11318	——	100	1/4"-20 U.S.S.	.030-.165"	.347"	.610"	.415"	.375-.379"	3/8"
11314	——	25	5/16"-18 U.S.S.	.040-.200"	.499"	.720"	.540"	.500-.504"	1/2"
11319	——	100	5/16"-18 U.S.S.	.040-.200"	.499"	.720"	.540"	.500-.504"	1/2"
16785	——	15	3/8"-16 U.S.S.	.040-.200"	.499"	.720"	.540"	.500-.504"	1/2"

Regular Pitch Metric

Auveco Part No.		Unit Pkg.	Thread Size After Installation	Recommended Grip Range "GR"	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" 6.35/6.45mm	1/4"
12981	——	100	M4-.7	.020-.080" .508/2.030mm	.249" 6.32mm	.410" 10.41mm	.287" 7.29mm	.250-.254" 6.35/6.45mm	1/4"
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	M5-.8	.020-.130" .508/3.300mm	.280 7.11mm	.465" 11.81mm	.320" 8.13mm	.281-.285" 7.14/7.24mm	9/32"
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	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"
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	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"