

## **AUVECO THIN SHEET NUTSERT® INSERTS**



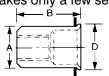
U.S.S., S.A.E. & Metric -Steel & Aluminum

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 The tool is withdrawn, leaving the Thin Sheet Nutsert ready to receive a bolt or screw.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





Insert TSN into prepared hole.



2. Engage the tool

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	Thread Size After	Recommended	А	В	D	Hole	Drill
Steel	Aluminum	Pkg.	Installation	Grip Range	Max.	Max.	Ref.	Size	Size
11310	13476	50	6-32 U.S.S.	.020080"	.249"	.410"	.287"	.250254"	1/4"
11315	13477	100	6-32 U.S.S.	.020080"	.249"	.410"	.287"	.250254"	1/4"
11311		50	8-32 U.S.S.	.020080"	.249"	.410"	.287"	.250254"	1/4"
11316		100	8-32 U.S.S.	.020080"	.249"	.410"	.287"	.250254"	1/4"
11312	13480	50	10-24 U.S.S.	.020130"	.280"	.465"	.320"	.281285"	9/32"
11317	13481	100	10-24 U.S.S.	.020130"	.280"	.465"	.320"	.281285"	9/32"
12978		50	10-32 S.A.E.	.020130"	.280"	.465"	.320"	.281285"	9/32"
12979		100	10-32 S.A.E.	.020130"	.280"	.465"	.320"	.281285"	9/32"
11313		25	1/4"-20 U.S.S.	.030165"	.347"	.610"	.415"	.375379"	3/8"
11318		100	1/4"-20 U.S.S.	.030165"	.347"	.610"	.415"	.375379"	3/8"
11314		25	5/16"-18 U.S.S.	.040200"	.499"	.720"	.540"	.500504"	1/2"
11319		100	5/16"-18 U.S.S.	.040200"	.499"	.720"	.540"	.500504"	1/2"
16785		15	3/8"-16 U.S.S.	.040200"	.499"	.720"	.540"	.500504"	1/2"

## **Regular Pitch Metric**

Auveco Part No.			Thread Size	Recommended					
Steel	Aluminum	Unit Pkg.	After Installation	Grip Range "GR"	A Max.	B Max.	D Ref.	Hole Size	Drill Size
12980		50	M47	.020080" .508/2.030mm	.249" 6.32mm	.410" 10.41mm	.287" 7.29mm	.250254" 6.35/6.45mm	1/4"
12981		100	M47	.020080" .508/2.030mm	.249" 6.32mm	.410" 10.41mm	.287" 7.29mm	.250254" 6.35/6.45mm	1/4"
12982		50	M58	.020130" .508/3.300mm	.280" 7.11mm	.465" 11.81mm	.320" 8.13mm	.281285" 7.14/7.24mm	9/32"
12983		100	M58	.020130" .508/3.300mm	.280 7.11mm	.465" 11.81mm	.320" 8.13mm	.281285" 7.14/7.24mm	9/32"
12984	13494	25	M6-1.0	.030165" .762/4.190mm	.374" 9.50mm	.610" 15.49mm	.415" 10.54mm	.375379" 9.53/9.63mm	3/8"
12985	13495	100	M6-1.0	.030165" .762/4.190mm	.374" 9.50mm	.610" 15.49mm	.415" 10.54mm	.375379" 9.53/9.63mm	3/8"
12986		25	M8-1.25	.040200" 1.020/5.080mm	.499" 12.67mm	.720" 18.29mm	.540" 13.72mm	.500504" 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	.500504 12.71/12.80mm	1/2"