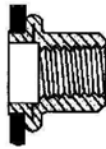


# Thin Sheet Nutsert Tool Kit



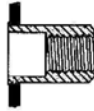
CONTENTS		
Qty.	Description	Part No.
1	TSN Lever Hand Tool	9600-0000
1	6-32 Conversion Kit	9600-0632
1	8-32 Conversion Kit	9600-0832
1	10-24 Conversion Kit	9610-24LG
1	10-32 Mandrel	9610-32LG
1	1/4-20 Conversion Kit	9614-24LG
1	5/16-18 Conversion Kit	9600-0518L

HOLE AND DRILL SIZES				
Thread Size	Part Number	Material Thickness*	Hole Size	Drill Number
6-32	9655-06	.020/.080	.250/.254	1/4
8-32	9655-08	.020/.080	.250/.254	1/4
10-24	9655-10	.020/.130	.281/.285	9/32
10-32	9657-10	.020/.130	.281/.285	9/32
1/4-20	9654-08	.030/.165	.375/.379	3/8
5/16-18	9654-10	.040/.200	.500/.504	1/2

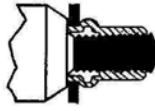
\*Grip Range

## PLACING SEQUENCE

TSN inserted in a prepared hole.



- As the lever handles are depressed, the mandrel collapses the TSN radially, clinching it tight against the work.



- TSN installed.



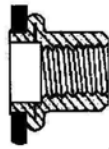
## STANDARD NUTSERT

The Thin Sheet Nutsert tool, with the mandrels and nose bushings furnished in this kit may be used to place the standard Nutsert. The Standard Nutsert should be used when placing:

- 6-32 or 8-32 threads in material over .080" thick
- 10-24 or 10-32 threads in material over .130" thick.
- 1/4-20 threads in material over .165" thick.
- 5/16-18 threads in material over .200" thick.

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# Thin Sheet Nutsert Tool Kit



The Avdel Thin Sheet Nutsert Tool Kit and Thin Sheet Nutsert are designed for the quick, manual insertion of permanent, load bearing threads in materials ranging in thickness from .020" to .200".

These kits and blind threaded inserts are particularly useful for prototype engineering, assembly line rework, and maintenance and repair applications.

Each tool kit contains one lever hand tool and conversion kits for the 6-32, 8-32, 10-32, 10-24, 1/4-20 and 5/16-18 Thin Sheet Nutsert.

## OPERATING INSTRUCTIONS

- Select the correct nose bushing (2) and mandrel (1) for the Thin Sheet Nutsert you want to place.
- With the tool in full open position, screw in the mandrel (Note: **left hand thread**).
- By hand, screw the bushing into the tool nose. (Note: also **left hand thread**).
- Screw the Thin Sheet Nutsert onto the protruding mandrel until it is flush against the nose bushing.
- Adjust the Limit Stop on the tool by turning the set screw and washer. The set screw should be adjusted so that it prevents the handles from being squeezed beyond the point at which the insert is fully placed. **Squeezing the handles beyond this point may cause damage to the tool or insert.**
- Place the Thin Sheet Nutsert into the prepared hole and squeeze the handles.
- Release the handles and disengage the mandrel by rotating the mandrel puller knob (3) in a counter-clockwise direction. Note: For ease of operation, the groove in the mandrel puller (3) should be coated with a suitable lubricant at the point of contact with the pivot plugs.

TOOL PARTS LIST	
Description	Part Number
1 Mandrel	See Contents
2 Nose Bush	See Contents
3 Mandrel Puller	9600-0203
4 Limit Stop	

Model No. 9600-0000

