

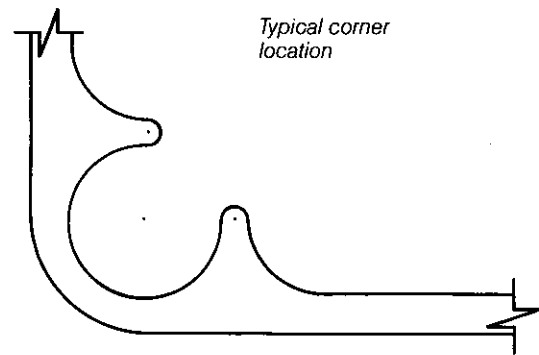
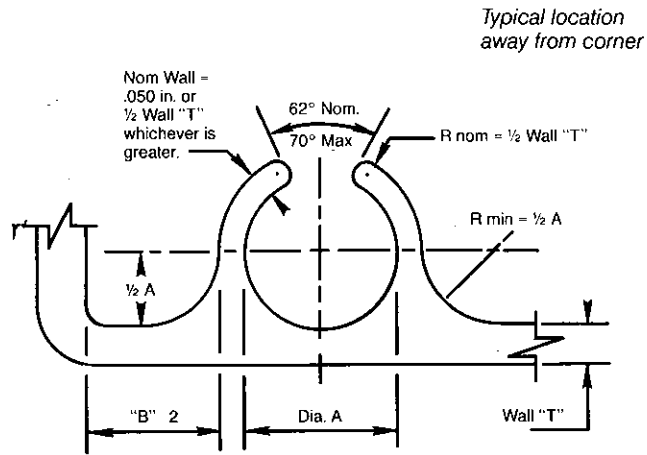
### Screw Slots

Screw slots are often used to facilitate the assembly of aluminum extrusions. Standard screw slots are illustrated here and should always be used with self tapping screws.

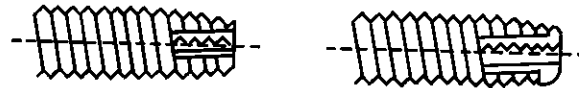
The screw slot should be designed so that the area of the void and the metal thickness surrounding it is symmetrical about the center line of the gap.

The type F self tapping screw is recommended for use with the extruded screw slot. This screw has threads which approximate machine screw threads... plus a blunt point that will stay within the screw slot.

"Sheet metal" type screws are not recommended since their thread projects to the very point and thereby can "walk" through the slot opening.



Type F self tapping screws



Self Tapping Screw Type F		Screw OD	A DIA.
NC	NF	Inches	Inches
4-40 <sup>1</sup>	4-48 <sup>1</sup>	0.112	0.099 ± 0.006
6-32 <sup>1</sup>	6-40 <sup>1</sup>	0.138	0.120 ± 0.006
8-32	8-36	0.164	0.147 ± 0.007
10-24	10-32	0.190	0.169 ± 0.007
12-24	12-28	0.216	0.190 ± 0.007
1/4 × 20	1/4 × 28	0.250	0.228 ± 0.007

<sup>1</sup>Not recommended for incorporation on inside wall of hollow or semihollow shapes.

<sup>2</sup>The recommended location for screw slots on the inside of hollow or semihollow shapes is at the corners. When not located at corners, dimension "B" must be at least 0.250.