

STOL CH 701 Materials List

The following list is an outline of the required aluminum raw materials to construct the STOL CH 701 design from the Drawings and Manuals. Many of the quantities are estimates only – actual quantities will vary depending on how the parts are cut. **DO NOT SUBSTITUTE MATERIALS WITHOUT THE DESIGNER'S SPECIFIC APPROVAL.**

Raw Materials List: STOL CH 701: Aluminum Parts:

See Drawings and Manuals for Specific Parts, and the Zenair Newsletter for current updates.

ALLOY	THICKNESS	Size Recommended	Quantity	Sq.Ft.
-- SHEET METAL --				
6061-T6	.016	4 x 12 feet	14 sheets	672
6061-T6	.025	4 x 12 feet	2 sheets	96
6061-T6	.032	4 x 8 feet	1 sheet	32
6061-T6	.040	4 x 8 feet	1 sheet	32
6061-T6	.063	4 x 2 feet	1 piece	8
2024-T3	.090	4 x 2 feet	1 piece	8
2024-T3	.125	2 x 2 feet	1 piece	4
-- ALUMINUM EXTRUSION PIECES --				
6061-T6	3/4" x 3/4" x .093	20 feet lengths	4 pieces	
6061-T6	1 1/2" x 1" x 1/8"	4 feet	1 piece	
-- ALUMINUM PLATES (for landing gear): Grain direction must be LENGTHWISE				
6061-T6	3/4" thickness	3 1/4" x 6 feet	1 piece	
6061-T6	3/16" thickness	4" x 22"	3 pieces	

BLIND RIVETS:

Avdel AVEX 1/8" (A4):	5,500 required
Avdel AVEX 5/32" (A5):	1,300 required

SOLID RIVETS:

AN 470-AD-4-4:	50 required
AN 470-AD-4-5:	500 required
AN 470-AD-5-7:	20 required
AN 470-A-3-3:	600 required

Other Parts and Materials: See Drawings and Manuals (7-G-3)

This list is subject to change or revision without notice.