



Aluminum Extruded Standard Shapes¹ (Sub-Set of ASTM B 221²)

Dayco offers a wide range of products, which meet the requirements set forth by specification ASTM B 221. This document covers Aluminum Extruded Standard Shapes, which fall within what are considered typical industry standard profiles. Standard shapes are non-proprietary and are considered "Open Dies", a term given to shapes available to the general public.



Ordering Information

When ordering, please provide the following information, which will aid Dayco in providing an accurate and timely quotation.

- Notation of Specification ASTM B 221.
- The Dayco Die number (from our Catalog of standard shapes , please reference the document "Dayco Open Die Catalog" from our web site <http://www.Daycoindustries.com>, or contact an Dayco Sales Associate for a free printed copy of our catalog.
- Quantity in pieces, pounds or feet.
- Alloy and Temper: Standard alloys and their tempers for use in extrusion:
(Alloy & Temper designations are in accordance with ANSI H35.1)

Non-Heat Treatable Alloys

(Soft)

UNS Numbers	A91100	A93003
@ Tempers	O, H112	O, H112

(Hard)

UNS Numbers	A95083	A95086	A95154	A95454
@ Tempers	O, H111, H112	O, H111, H112	O, H112	O, H111, H112

Heat Treatable Alloys

(Soft)

UNS Numbers	A96005	A96061	A96063	A96066	
@ Tempers	T1, T5	O, T1, T4, T4510, T4511	O, T1, T4, T42, T5, T52 T6, T62	O, T4, T4511, T4511, T42, T6, T6510, T6511, T62	
UNS Numbers	A96070	A96105	A96262	A96351	A96464
@ Tempers	T6, T62	T1, T5	T6, T62, T6510, T6511	T1, T4, T5, T51, T54, T6	T1, T5, T6, T62

(Hard)

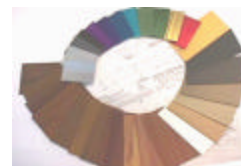
UNS Numbers	A92014	A92024	A92219	A97005	A97050
@ Tempers	O, T4, T4510, T4511, T42, T6, T6510, T6511, T62	O, T3, T3510, T3511, T42, T81, T8510, T8511	O, T31, T3510, T3511, T62, T81, T8510, T8511	T53	T73510, T73511, T74510, T74511, T76510, T76511
UNS Numbers	A97075		A97178		A97475
@ Tempers	O, T6, T62, T6510, T6511, T73, T73510, T73511, T76, T76510, T76511		O, T6, T6510, T6511, T62, T76, T76510, T76511		T62

¹ Dayco does not provide design analysis to a clients components, it is assumed the client is providing a properly thought-out design and performed all necessary engineering evaluations to attain the desired finished product.

² Because the range of product types covered by ASTM B 221 is so varied, each having unique characteristics. Dayco has broken out these Product types into 3 sub-sets, the first being "Architectural Extrusions, the next one being "Standard Extrusion Shapes" and then "Custom Extrusion Shapes". Please seek them out if you wish to inquire about them specifically.

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- If other than what can be selected from our open die catalog then nominal cross-sectional dimensions as follows
 - For rod and wire – diameter
 - For square-cornered bar and wire – depth and width.
 - For sharp-cornered hexagonal or octagonal bar and wire – distance across flats
 - For round tube – outside or inside diameter and wall thickness
 - For square or sharp-cornered tube other than round –distance across flats and wall thickness
 - For round-cornered bars, shapes, tube other than round, square, rectangular, hexagonal, or octagonal with sharp-corners – drawing required
- Length
- Whether heat treatment in accordance with Practice B597 is required.
- Whether ultrasonic inspection is required.
- Whether inspection or witness of inspection and tests by the purchaser's representative is required prior to material shipment.
- Whether certification is required
- Whether product marking for identification is required, if so, does Practice B 660 apply and to what levels of preservation, packaging will be required.
- Finish: The alloy and temper of the material will play a key roll in how the finish will appear.
 - Mill finish
 - Anodizing, Commercial, MIL-Standard, Bright Dip etc...
 - Cladding
 - Painted
(Thermosetting polyesters, backing enamels & acrylics, Architectural 1 step & 2 step paint processes), others, please inquire with SMI Sales agent.



- Fabrication: Dayco also provides fabrication capabilities as noted but not limited to those below:
Precision CNC cutting, Miter angels, notching, drilling, taping, de-burring, and assembly.
- Dayco offers Just-In-Time stocking programs, which allows our clientele to pay for only the inventory that is drawn into their production cycle while Dayco stabilizes their raw material flow and eliminates potential stock-outs and material shortages.

