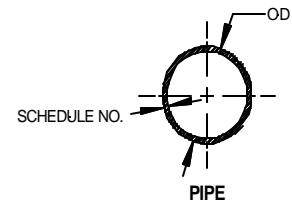
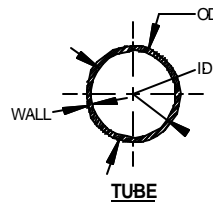




Extruded Structural Pipe and Tube, Aluminum-Alloy (ASTM B 429)

DAYCO offers extruded structural pipe and tubular products which meet ASTM B 429 requirements.
(DAYCO does not warrant using the pipe/tube of this specification for fluid-carrying pressure applications, please refer to ASTM B 241)



Ordering Information

- Notation of Specification ASTM B 429 and application use.
- Quantity in pieces, pounds or feet.
- Alloy:

| | | |
|---------|--------|--------|
| UNS No. | A96061 | A96063 |
|---------|--------|--------|

Alloy designations are in accordance with ANSI H35.1

- Temper:

| |
|----|
| T6 |
|----|

Temper designations are in accordance with ANSI H35.1

- Solution heat treatment and quenched at the press in accordance with practice ASTM B 807 and ASTM B 597.
- Size:
 - Pipe size and schedule number (Reference Table I)
 - Extruded tube outside diameter, wall thickness. Or inside diameter, wall thickness.
- Length.
- Inspection or witness of inspection and tests by purchaser's representative, if required.
- Special marking for identification, if required.
- Certification of material, if required.
- Practices noted by ASTM B 660 for packing, if required.

PIPE

Outside diameters, inside diameters, wall thicknesses and weights for structural pipe are provided within "Table I" of the next page.

The dimensional tolerances for extruded structural pipe will be in accordance with ANSI H35.2 (H35.2M) section 16.

For sizes which are available please review "Table II" on the next page.

TUBE

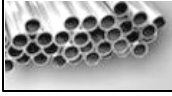
Outside diameters, wall thicknesses and weights for structural tube are provided within "Table III" of the next page.

For sizes, which are available, also review "Table III" of the next page.

Dimensional tolerances for extruded structural tube will be in accordance with ANSI H35.2 (H35.2M) section 12.

OTHER STANDARDS

For Seamless drawn tube review ASTM B 210, for Extruded Tube see ASTM B 221 and for structural pipe and tube ASTM B 429.



Extruded Structural Pipe and Tube, Aluminum-Alloy (ASTM B 429) continued !

Table I (Standard Structural Pipe Diameters, Wall Thicknesses and Weights)

| Nominal Pipe Size (in.) | ANSI Schedule No. ¹ | Outside Diameter, In. | | | I.D., In. | Wall Thickness, In. | | | Weight, ³ lb/ft | |
|-------------------------|--------------------------------|-----------------------|------------------|------------------|-----------|---------------------|-------|------------------|----------------------------|-------|
| | | Nom. | Min ² | Max ² | | Nom. ⁴ | Min | Max ⁴ | Nom. | Max |
| 1/2 | 40 | 0.840 | 0.809 | 0.855 | 0.622 | 0.109 | 0.095 | — | 0.294 | 0.317 |
| 3/4 | 10 | 1.050 | 1.019 | 1.065 | 0.884 | 0.083 | 0.071 | 0.095 | 0.297 | — |
| | 40 | 1.050 | 1.019 | 1.065 | 0.824 | 0.113 | 0.099 | — | 0.391 | 0.422 |
| 1 | 10 | 1.315 | 1.284 | 1.330 | 1.097 | 0.109 | 0.095 | 0.123 | 0.486 | — |
| | 40 | 1.315 | 1.284 | 1.330 | 1.049 | 0.133 | 0.116 | — | 0.581 | 0.627 |
| 1-1/4 | 10 | 1.660 | 1.629 | 1.675 | 1.442 | 0.109 | 0.095 | 0.123 | 0.625 | — |
| | 40 | 1.660 | 1.629 | 1.675 | 1.380 | 0.140 | 0.122 | — | 0.786 | 0.849 |
| 1-1/2 | 10 | 1.900 | 1.869 | 1.915 | 1.682 | 0.109 | 0.095 | 0.123 | 0.721 | — |
| | 40 | 1.900 | 1.869 | 1.915 | 1.610 | 0.145 | 0.127 | — | 0.940 | 1.015 |
| 2 | 10 | 2.375 | 2.344 | 2.406 | 2.157 | 0.109 | 0.095 | 0.123 | 0.913 | — |
| | 40 | 2.375 | 2.351 | 2.399 | 2.067 | 0.154 | 0.135 | — | 1.264 | 1.365 |
| 2-1/2 | 10 | 2.875 | 2.844 | 2.906 | 2.635 | 0.120 | 0.105 | 0.135 | 1.221 | — |
| | 40 | 2.875 | 2.846 | 2.904 | 2.469 | 0.203 | 0.178 | — | 2.004 | 2.164 |
| 3 | 10 | 3.500 | 3.469 | 3.531 | 3.260 | 0.120 | 0.105 | 0.135 | 1.498 | — |
| | 40 | 3.500 | 3.465 | 3.535 | 3.068 | 0.216 | 0.189 | — | 2.621 | 2.830 |
| 3-1/2 | 40 | 4.000 | 3.690 | 4.040 | 3.548 | 0.226 | 0.198 | — | 3.151 | 3.403 |
| 4 | 40 | 4.500 | 4.455 | 4.545 | 4.026 | 0.237 | 0.207 | — | 3.733 | 4.031 |

Table II (Standard Structural Pipe Sizes)

| Pipe Size, In. | Schedule No. | Alloy & Temper | |
|----------------|--------------|----------------|-----------|
| | | A906061-T6 | A96063-T6 |
| 1/2 | 10 | ☉ | ☑ |
| 3/4 | 10 | ☉ | ☑ |
| | 40 | ☉ | ☑ |
| 1 | 10 | ☉ | ☑ |
| | 40 | ☑ | ☑ |
| 1-1/4 | 10 | ☑ | ☑ |
| | 40 | ☑ | ☑ |
| 1-1/2 | 10 | ☑ | ☑ |
| | 40 | ☑ | ☑ |
| 2 | 10 | ☑ | ☑ |
| | 40 | ☑ | ☑ |
| 2-1/2 | 10 | ☑ | ☑ |
| | 40 | ☑ | ☑ |
| 3 | 10 | ☑ | ☑ |
| | 40 | ☑ | ☑ |
| 3-1/2 | 40 | ☑ | ☑ |
| 4 | 40 | ☑ | ☑ |

Available Size is indicated by ☑

Table III (Standard Structural Tube Sizes)

| Outside Diameter, In. | Wall, In. | Nominal Weight, lb/ft | Alloy & Temper | |
|-----------------------|-----------|-----------------------|----------------|-----------|
| | | | A906061-T6 | A96063-T6 |
| 1.500 | 0.125 | 0.631 | ☑ | ☑ |
| | 0.188 | 0.911 | ☑ | ☑ |
| | 0.250 | 1.150 | ☑ | ☉ |
| 2.000 | 0.125 | 0.866 | ☑ | ☑ |
| | 0.188 | 1.260 | ☑ | ☑ |
| | 0.250 | 1.620 | ☑ | ☉ |
| 2.500 | 0.125 | 1.100 | ☑ | ☑ |
| | 0.188 | 1.610 | ☑ | ☑ |
| | 0.250 | 2.080 | ☑ | ☉ |
| 3.000 | 0.125 | 1.330 | ☑ | ☑ |
| | 0.188 | 1.950 | ☑ | ☑ |
| | 0.250 | 2.540 | ☑ | ☉ |
| 3.500 | 0.125 | 1.560 | ☑ | ☑ |
| | 0.188 | 2.300 | ☑ | ☑ |
| | 0.250 | 3.000 | ☑ | ☉ |
| 4.000 | 0.125 | 1.790 | ☑ | ☑ |
| | 0.188 | 2.650 | ☑ | ☑ |
| | 0.250 | 3.460 | ☑ | ☉ |
| 4.500 | 0.125 | 2.020 | ☑ | ☑ |
| | 0.188 | 2.990 | ☑ | ☑ |
| | 0.250 | 3.390 | ☑ | ☉ |
| 5.000 | 0.125 | 2.250 | ☑ | ☉ |
| | 0.188 | 3.340 | ☑ | ☉ |
| | 0.250 | 4.390 | ☑ | ☉ |
| 5.500 | 0.188 | 3.690 | ☑ | ☉ |
| | 0.250 | 4.850 | ☑ | ☉ |
| 6.000 | 0.188 | 4.040 | ☑ | ☉ |

- J.I.T (Just-In-Time) stocking program available.
- Custom fabrication services available from custom cut-lengths, punching, miter angle cutting, drilling, tapping and forming.
- DAYCO provides wet paint, powder coating and anodizing services.



¹ Schedule 40 is also noted as being "standard pipe".

² For schedule 10, these values apply to the mean outside diameter.

³ Based on nominal dimensions, plain ends and a density of .098 lbs / in³ (the density for A96061), for alloy A96063 multiply by .99.

⁴ For schedule 40, maximum wall thickness is controlled by weight tolerance.