

## Fractional Reference Guide

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**Fractional Series  
Profiles and Parts  
Pages 145-634**

**Metric Series  
Profiles and Parts  
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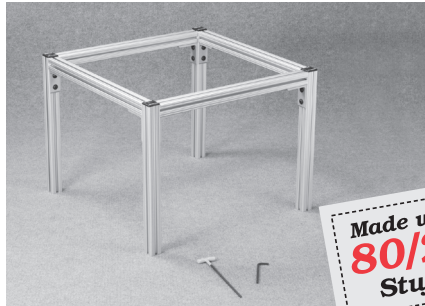
**Holey Tube  
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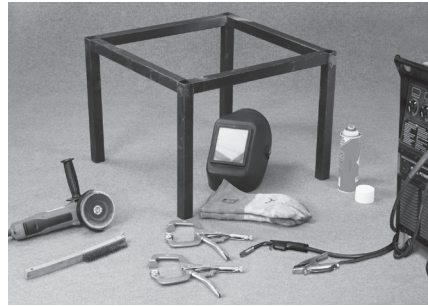
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**80/20® Inc.**  
The Industrial Erector Set®  
**THE STANDARD**

## HOW 80/20'S FRACTIONAL T-SLOTTED ALUMINUM PROFILES REDUCE YOUR FABRICATION TIME AND COST



Made with  
**80/20**  
Stuff!



**\$176.55**

versus

**\$236.19**

**T-Slotted Aluminum**  
24" x 24" x 18" 20 Lbs.

**Welded Steel Frame**  
24" x 24" x 18" 33 Lbs.

### What it Takes:

1. Design time\*
  2. Bill of materials\*
  3. Purchase materials
  4. Assemble frame per design
- \* **AutoQuoterX™** page 609

### Benefits:

- No welding - no fighting heat stress or warping
- No priming or painting
- Lightweight, easy to machine
- Uses standard fractional or metric fasteners
- Less engineering time required
- Easy to fabricate - only simple hand tools required
- T-slot technology is industry accepted
- Great aesthetic value
- No expensive fabricating equipment required
- Machine frames can be easily reconfigured for design changes

### Bill of Materials:

Qty.	Description	Cost
4	1515-Lite x 18"	32.40
4	1515-Lite x 21"	37.80
8	#7010 Saw Cut	15.60
8	#4301 Inside Corner Brackets	34.40
32	#3320 5/16-18 x 5/8" Flanged BHSCS & T-nut	19.20
1	6110 T-Handle Ball End Hex Wrench	5.00
1	6100 Ball End Hex Wrench	1.75
4	2030 End Caps	5.40

**1/2 hr. labor to assemble @ 50.00/hr. 25.00**

**Total Project Cost \$176.55**

### What it Takes:

1. Design time
2. Bill of materials
3. Purchase materials
4. Cut to length
5. Deburr
6. Set up fixture
7. Weld
8. Grind welds
9. Clean weld splatter
10. Drill and/or tap for mounting accessories
11. Degrease
12. Mask non-paint areas
13. Primer coat
14. Paint

### Fabricating Equipment Required:

- Band Saw • Grinder • Welder
- Paint Booth • Skilled Labor


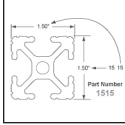
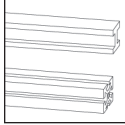
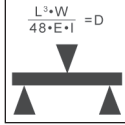

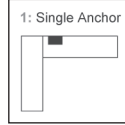
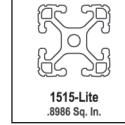
### Bill of Materials:

Qty.	Description	Cost
4	1 1/2" x 1 1/2" x 1/8" wall x 18" steel tube	38.96
4	1 1/2" x 1 1/2" x 1/8" wall x 21" steel tube	44.23
	Welding supplies, sandpaper, cleaning supplies, tape, paint, etc.	33.00

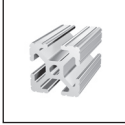
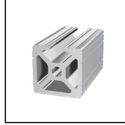
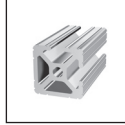
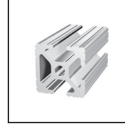
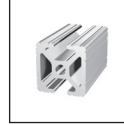
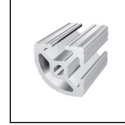
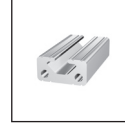

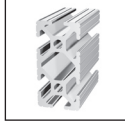
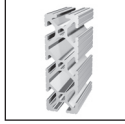


**4 hrs. labor @ 30.00/hr. 120.00**

**Total Project Cost \$236.19**

## Section #1 Pictorial Table Of Contents

How To Order	Introduction To 80/20® Profiles	Material Strength	Beam Deflection	Torque Specifications	Fastener Application Test	Profile Specifications
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### 10 Series T-Slotted Aluminum Profiles

1010 Profile	1001 Profile	1002 Profile	1003 Profile	1004 Profile	1012 Profile	1050 Profile
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2012 Profile	1020 Profile	1030 Profile	2020 Profile	2040 Profile		
 Page 166	 Page 167	 Page 168	 Page 169	 Page 170		

### 15 Series T-Slotted Aluminum Profiles

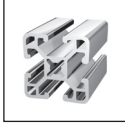

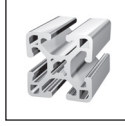
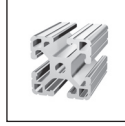
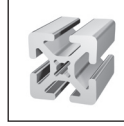
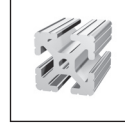
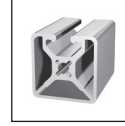
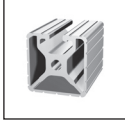
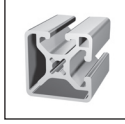
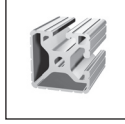
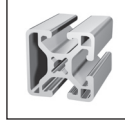
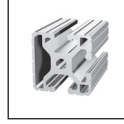
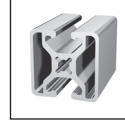
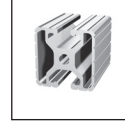






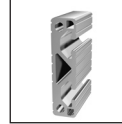




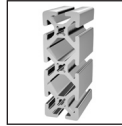






1515-ULS Profile	1515-UL Profile	1515-LS Profile	1515-Lite Profile	1515-S Profile	1515 Profile	1501-LS Profile
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1501 Profile	1502-LS Profile	1502 Profile	1503-LS Profile	1503 Profile	1504-LS Profile	1504 Profile
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**Legend for Icons**

 This part is 10 Series compatible

 Design files for this part can be found on the 80/20® DVD (Design Software)

 This part can use double economy T-nuts (see bolt kit table P on page 268)

 This part can use triple economy T-nuts (see bolt kit table Q on page 268)

**How to Order 80/20® T-Slotted Profiles**

As indicated in the order below, some profiles have machining services. The type and location of machining service is listed with the profile, but the actual charge is listed separately in the machining services section of your order. For cut to length services, which are required for anything less than stock length, the charge is listed only in the machining services section, not the profile section. See Section 12 for more information on cut to length and machining services.

### How To Order

Shipping Method:  Ship To:

Ordered By:  Customer:

Address:

City / State:

Attention:

Tag:

**Complete Address & Shipping Method Required... NO P.O. Box**

Part Number	Quantity	Length	Description / Machining	Price/UOM	Ext. Price
1010	2	18.50"	7042 in A both ends	\$ .23	\$8.51
1515-Lite-145	5	145.00"	Full length profile	\$65.25	\$326.25
3060	4	40.00"	7029 one end	\$2.95	\$472.00
3030	4	36.00"	7050 style G in W, X both ends	\$1.50	\$216.00
CM01-051006	2		Custom bracket per drawing #1	\$23.00	\$46.00
2611	1	5.25 sf.	1/4" bronze polycarb 1 @ 18" x 40" w/ 7311 per drawing	\$10.40	\$54.60
7150	1		Cut plastic panels all sides < -48"	\$10.50	\$10.50
7042	4		10 Series anchor fastener counterbore	\$2.25	\$9.00
7005	2		Cut-to-length for 1010	\$1.95	\$3.90
7023	4		Cut-to-length for 3060	\$2.90	\$11.60
7030	4		Cut-to-length for 3030	\$2.60	\$10.40
7050	64		15 Series drill access hole	\$1.95	\$124.80
7029	4		5/16-18 tap service for 3060	\$15.20	\$60.80
7311	2		Anchor fastener notch for 10 Series	\$0.53	\$1.06
3380	32		15 Series 5/16-18 black zinc end fastener w/ screw	\$1.60	\$51.20
2114	16		Gray T-Slot covers for 10 Series	\$3.45	\$55.20
2050	8		End caps for 3030	\$1.85	\$14.80
3395	4		10 Series anchor fasteners	\$2.90	\$11.60
3279	5		15 Series 5/16-18 black zinc double economy T-nut	\$0.79	\$3.95
4132	12		2 hole inside corner gusset bracket	\$3.95	\$47.40
3393	24		10 Series 1/4-20 BHSCS & economy T-nut	\$0.40	\$9.60
				<b>TOTAL</b>	<b>\$1549.17</b>

Special Instructions: **Must be delivered for assembly by Friday!!!**

NOTE: Prices shown for illustration use only. Contact your distributor for a personalized quote.

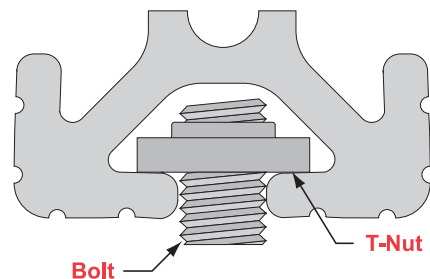
- 1 - Profiles = Pages 147-202
- 2 - Custom Parts = Pages 203-220
- 3 - Panels = Pages 349-432
- 4 - Machining Services = Pages 559-608
- 5 - Accessories & Tools = Pages 433-456 & 549-558

**80/20® Product Advantages**

- Attractive appearance
- Easy to fabricate
- Many joining options
- Easy-to-assemble designs
- Precise tolerances
- Uniform quality assured
- High strength/weight ratio
- Corrosion resistant
- Recyclable
- Cost-effective
- Design freedom
- Lightweight
- Strong
- Resilient
- Align-a-grooves
- Non-magnetic

Aluminum is very strong—consider what kinds of things are made of it: airplanes, light posts, truck trailers, tennis rackets, baseball bats, sailboat masts, scaffolding, car body and engine parts, guard rails, ladders, wheel rims, computer housings, bicycle frames and more!

**T-Slotted Aluminum Profile Concept**

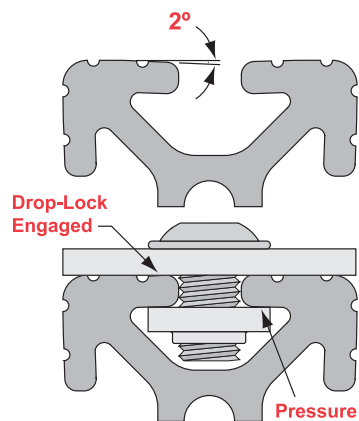


80/20®'s modularity is based upon the T-slot concept of our profiles. The “T” shaped slots present on all of our profiles allow for infinite positioning along the axis. While there are other types of T-slotted profiles in the industry, one modification to the 80/20® line is a slight adjustment to the “T” which creates the 2° Drop-Lock Feature.

Note the “T” Shape of the assembled bolt and nut shown in the example to the right.

**The T-Slotted Profile 2° Drop-Lock Feature**

**VIBRATION PROOF™**



The 2° Drop-Lock Feature is one of the many selling points of the 80/20® product line. This drop lock consists of a 2° decline of the T-slot flange. When a fastener is tightened to (or beyond) the necessary torque, the flange will press up to the adjoining profile, thus creating pressure that tightly holds the two bars together.

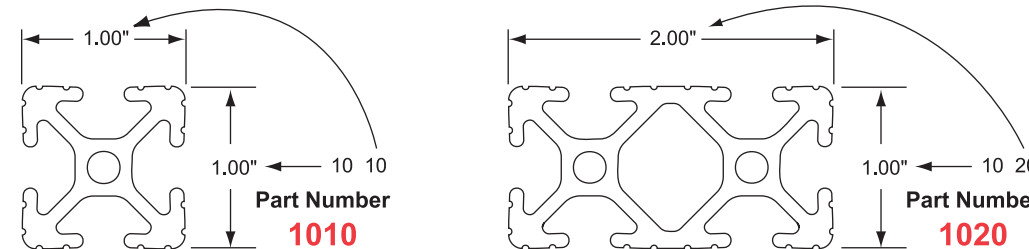
**Benefits of 80/20®'s Drop-Lock Feature:**

- Most 80/20® T-slotted profiles have the Drop-Lock Feature
- When engaged, the connections will be vibration-proof
- Works with all of 80/20®'s main fastening options

**Fractional Part Number Concept & Identification**

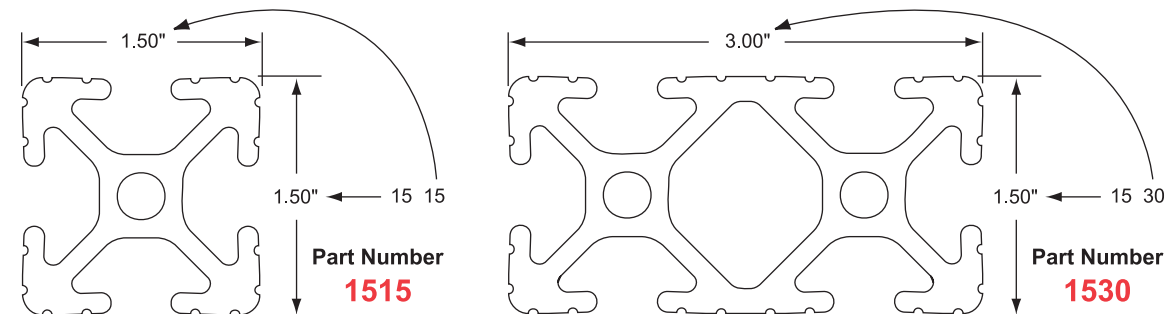
Fractional T-slotted profiles have part numbers that directly coincide with the profile's physical measurements. Fractional profile part numbers contain four characters, which relate to the profile's dimensions. This Series part-numbering concept is explained in more detail below.

**10 Series Profile Standards**



Note: 10 Series profiles always measure .50" from the outside edge of the profile to the center of the T-slot.

**15 Series Profile Standards**



Note: 15 Series profiles always measure .75" from the outside edge of the profile to the center of the T-slot.

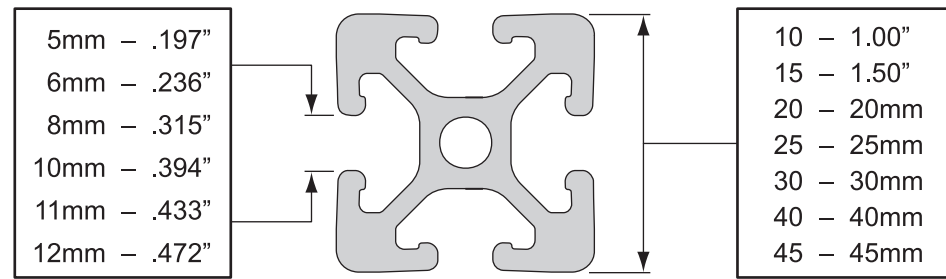
**Align-a-Grooves**

Align-a-grooves, featured on our 10 Series and some of our 15 Series T-slotted profiles, aid in aligning and squaring corners and joints during assembly.

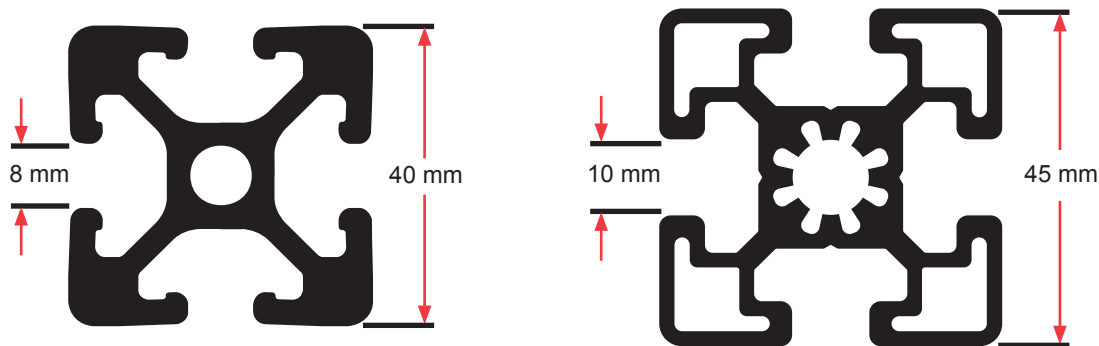
**T-Slotted Aluminum Profile Compatibility Code\***

How to find parts compatible with the T-slotted profile you are currently using:

1. Not all T-slotted profiles are created equal. Not only are there numerous outside dimensions, fractional and metric, but there are also differences in T-slot dimensions. The opening of the slot is the critical dimension when determining part/profile compatibility.
2. Certain fasteners, parts and accessories are designed to work with only one particular slot dimension, while others are compatible with more than one slot size.
3. Series designations such as 10, 15, 20, 25, 30, 40, 45 etc. refer to overall outside dimensions of the profile and/or center-to-center dimensions of two T-slots.
4. The critical slot opening dimensions mentioned above are stated in millimeters. They include openings of 5, 6, 8, 10, 11 and 12 mm.



5. To determine compatibility the slot opening and profile series must be known. This will establish the compatibility code, which is listed for every part.



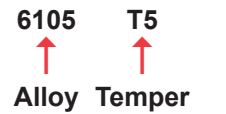
\* Patent Pending Copyright © 2010 80/20 Inc. All rights reserved.

**Why Do We Use 6105-T5 Aluminum Alloy?**

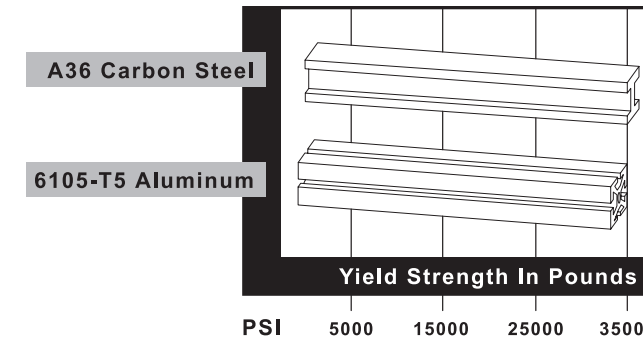
Aluminum Profile Alloys: Number and Characteristics	Tensile Strength - ksi*			
	Ultimate		Yield	
	minimum	maximum	minimum	maximum
<b>6105-T5 (80/20's Alloy)</b>	38.00	••	35.00	••
<b>6063-T6</b>	30.00	••	25.00	••

\*Figures based on material thickness of 0.125 to 1.00"  
From The Aluminum Extrusion Manual, published by The Aluminum Association and the Aluminum Extruders Council.

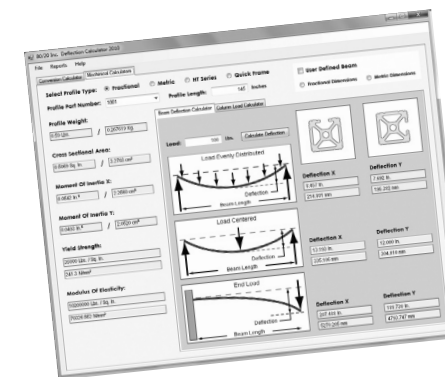
All of 80/20's T-slotted profiles feature the 6105-T5 alloy. An aluminum extrusion alloy is a mixed metal that includes other elements such as copper, magnesium, iron, silicon or zinc. Certain properties such as strength, machinability and corrosion resistance are influenced by the choice of alloy and temper. **Alloy 6105 with a T5 temper, chosen by 80/20, has better machinability and strength than 6063-T6.**



**Material Strength Specifications**



- Minimum Yield Strength In Pounds**
- 80/20's 6105-T5 alloy yield strength of 35,000 psi compares to A36 carbon steel's yield strength of 36,000 psi.
  - Volume for volume, aluminum weighs about 1/3 as much as iron, steel, copper, or brass.



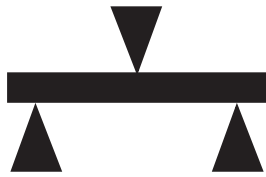
Download 80/20's Deflection CalculatorX™, the profile strength calculator, at [www.8020.net/Design-Tools-1.asp](http://www.8020.net/Design-Tools-1.asp)

**Simple Beam Deflection Calculations**

Use the formulas listed below to find the worst case deflection for a beam:

**Formula A**

$$\frac{L^3 \cdot W}{48 \cdot E \cdot I} = D$$



This formula will yield worst case deflection for a beam supported at both ends with the load centered over the span.

**Formula B**

$$\frac{5L^3 \cdot W}{384 \cdot E \cdot I} = D$$



This formula will yield worst case deflection for a beam supported at both ends with the load evenly distributed over the span.

**Formula C**

$$\frac{L^3 \cdot W}{3 \cdot E \cdot I} = D$$



This formula will yield worst case deflection for a beam fastened at one end and cantilevered horizontally with the load applied at the end of the beam.

**Example Using Formula A:**

Using the 1515 T-slotted profile, a length of 30.0", and an applied force of 50 lbs., you should find the approximate beam deflection to be .011".

**Formula Reference:**

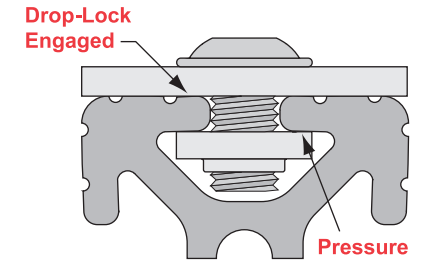
- L = Length in Inches
- W = Load in Pounds
- E = Modulus of Elasticity (10,200,000)
- D = Deflection in Inches
- I = Moment of Inertia (see material specifications on pages 68-69)

**Fractional Profile Standards**

- Yield strength 35,000 lbs. /sq. in. minimum
- Tensile strength 38,000 lbs. /sq. in. minimum
- Elongation A5 minimum 10%
- Elongation A10 minimum 8%
- Elasticity E approximately 10,200 k lbs./sq.in.
- Rockwell hardness approximately E-88
- Extrusion conforming to DIN 17 615 specifications
- Twist per foot of length not to exceed .25 degree and total twist over 20 feet of length not to exceed 1.5 degrees
- Flatness .004" per inch of width
- Straightness 0.0125" per foot of length, not to exceed .120" over 20 feet of length
- Unless otherwise specified, all profiles will have etch and clear (MIL-A-8625F) anodizing with depth of .0004" and surface hardness of approximately 250 HV (anodized profiles should not be welded because of toxic fumes)

**Torque Specifications**

- See table below for the amount of torque in foot-lbs. required to activate the 2<sup>o</sup> drop-lock feature for T-slotted profiles
- Nut and bolt combination is pre-loaded when tightened to the minimum torque rating
- When properly tightened, fasteners will not loosen even under heavy vibration



Part Number	Fastener Description	Tested Profile	Minimum Ft-lbs. Torque	Maximum Ft-lbs. Torque
3320	5/16-18 x 11/16 Flanged BHSCS & Economy T-Nut	1515	10.00	15.00
3325	5/16-18 x 3/4 Economy T-Slot Stud, Washer & Hex Nut	1515	30.00	40.00
3360	15 Series Anchor Fastener Assembly	1515-Lite	10.00	28.00
3380	15 Series End Fastener Assembly	1515-Lite	10.00	22.00
3321	1/4-20 x 1/2 Flanged BHSCS & Economy T-Nut	1010	4.00	6.00
3395	10 Series Anchor Fastener Assembly	1010	3.00	17.00
3381	10 Series End Fastener Assembly	1010	4.00	17.00

**Fastener Application Tests**

1: Single Anchor    2: Double Anchor    3: End Fastener    4: Joining Plate    5: 90°Joining Plate    6: Corner Bracket

7: Corner Gusset

A: Direct Force  
B: Cantilevered Force  
C: Torsional Force

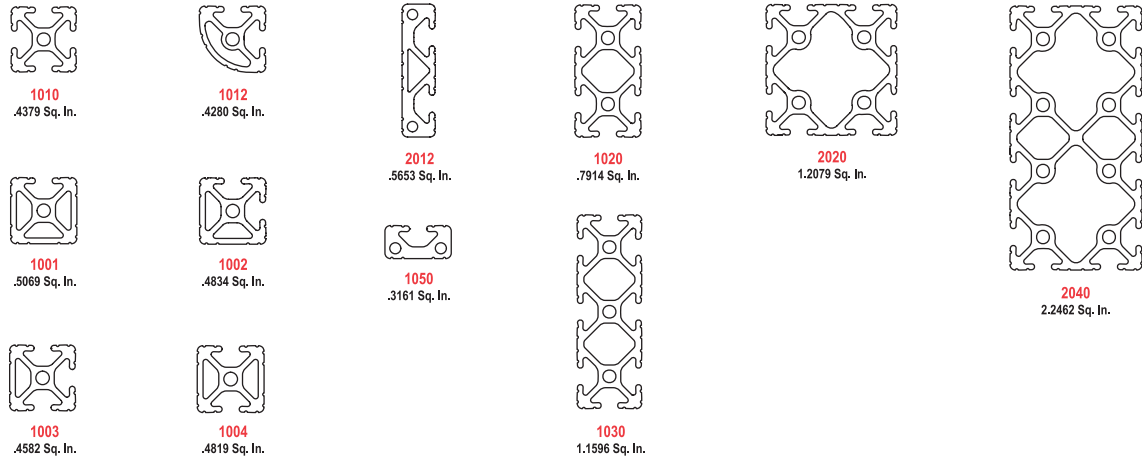
Horizontal Profile Dimension  
10 Series = 5.000"  
15 Series = 6.000"

Fastener	1010 Profile			1515-Lite Profile			1515 Profile		
	A (lbs.)	B (lbs.)	C (Inch-lbs.)	A (lbs.)	B (lbs.)	C (Inch-lbs.)	A (lbs.)	B (lbs.)	C (Inch-lbs.)
1	500	250	180	950	625	540	950	1,000	700
2	900	250	260	1,200	700	1,150	1,200	1,200	2,000
3	450	200	325	1,000	500	680	1,000	820	1,150
4	175	50	400	225	200	1,000	225	200	1,100
5	175	50	500	250	200	1,120	250	200	1,260
6	325	75	180	375	225	500	575	225	500
7	325	220	260	375	750	500	575	750	500

**Note:** Plates, brackets and gussets were attached with 80/20® recommended bolt kits. Fasteners were tightened according to 80/20® torque specifications found at the top of the page.

Test results reflect the connection failure point. Loads at or above these points are not recommended.

**10 Series Profile Material Specifications**



**Compatibility Code\*: 6-10**

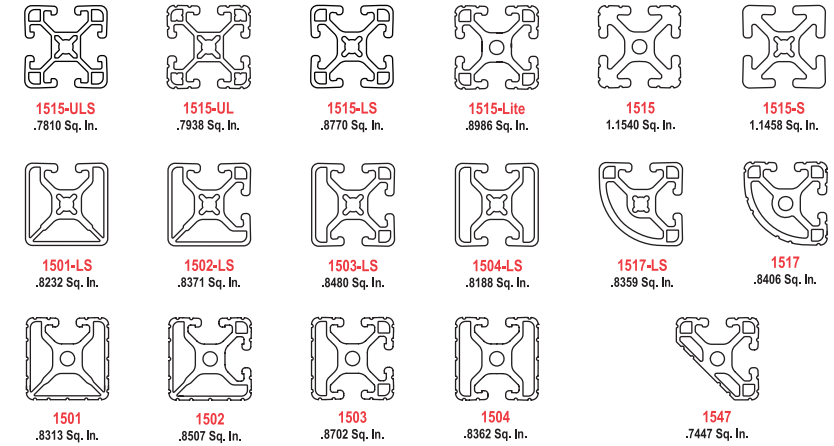
Part No.	1010	1001	1002	1003	1004	1012
<b>Material</b>	6105-T5 Aluminum					
<b>Finish</b>	Clear Anodize #204-R1					
<b>Weight Per Foot</b>	.5097 Lbs.	.5900 Lbs.	.5627 Lbs.	.5333 Lbs.	.5609 Lbs.	.4982 Lbs.
<b>Stock Length **</b>	97", 145", 242"	145" or 242"	145" or 242"	145" or 242"	145" or 242"	145" or 242"
<b>Moment of Inertia</b>	IX=.0442 <sup>m4</sup> IY=.0442 <sup>m4</sup>	IX=.0542 <sup>m4</sup> IY=.0493 <sup>m4</sup>	IX=.0492 <sup>m4</sup> IY=.0492 <sup>m4</sup>	IX=.0491 <sup>m4</sup> IY=.0441 <sup>m4</sup>	IX=.0541 <sup>m4</sup> IY=.0443 <sup>m4</sup>	IX=.0400 <sup>m4</sup> IY=.0400 <sup>m4</sup>
<b>Estimated Area</b>	.4379 Sq. In.	.5069 Sq. In.	.4834 Sq. In.	.4582 Sq. In.	.4819 Sq. In.	.4280 Sq. In.
<b>Modulus of Elasticity</b>	10,200,000 Lbs./Sq. In.					

Part No.	1050	2012	1020	1030	2020	2040
<b>Material</b>	6105-T5 Aluminum					
<b>Finish</b>	Clear Anodize #204-R1					
<b>Weight Per Foot</b>	.3679 Lbs.	.6580 Lbs.	.9212 Lbs.	1.3498 Lbs.	1.4060 Lbs.	2.6146 Lbs.
<b>Stock Length **</b>	145"	145"	97", 145", 242"	145" or 242"	145" or 242"	145" or 242"
<b>Moment of Inertia</b>	IX=.0074 <sup>m4</sup> IY=.0323 <sup>m4</sup>	IX=.2253 <sup>m4</sup> IY=.0146 <sup>m4</sup>	IX=.3078 <sup>m4</sup> IY=.0833 <sup>m4</sup>	IX=.9711 <sup>m4</sup> IY=.1238 <sup>m4</sup>	IX=.5509 <sup>m4</sup> IY=.5509 <sup>m4</sup>	IX=3.5168 <sup>m4</sup> IY=1.0513 <sup>m4</sup>
<b>Estimated Area</b>	.3161 Sq. In.	.5653 Sq. In.	.7914 Sq. In.	1.1596 Sq. In.	1.2079 Sq. In.	2.2462 Sq. In.
<b>Modulus of Elasticity</b>	10,200,000 Lbs./Sq. In.					

\* See Compatibility Code information on page 152.

\*\* For profile lengths other than stock length refer to page 563 for profile cut to length services.

**15 Series Profile Material Specifications**



**Compatibility Code\*: 8-15**

Part No.	1515-ULS	1515-UL	1515-LS	1515-Lite	1515-S
<b>Material</b>	6105-T5 Aluminum				
<b>Finish</b>	Clear Anodize #204-R1				
<b>Weight Per Foot</b>	.9360 Lbs.	.9240 Lbs.	1.0530 Lbs.	1.0460 Lbs.	1.3338 Lbs.
<b>Stock Length **</b>	145" or 242"	145" or 242"	145" or 242"	97", 145", 242"	145" or 242"
<b>Moment of Inertia</b>	IX=.1765 <sup>m4</sup> IY=.1765 <sup>m4</sup>	IX=.1772 <sup>m4</sup> IY=.1772 <sup>m4</sup>	IX=.1921 <sup>m4</sup> IY=.1921 <sup>m4</sup>	IX=.1853 <sup>m4</sup> IY=.1853 <sup>m4</sup>	IX=.2631 <sup>m4</sup> IY=.2631 <sup>m4</sup>
<b>Estimated Area</b>	.7810 Sq. In.	.7938 Sq. In.	.8770 Sq. In.	.8986 Sq. In.	1.1458 Sq. In.
<b>Modulus of Elasticity</b>	10,200,000 Lbs./Sq. In.				

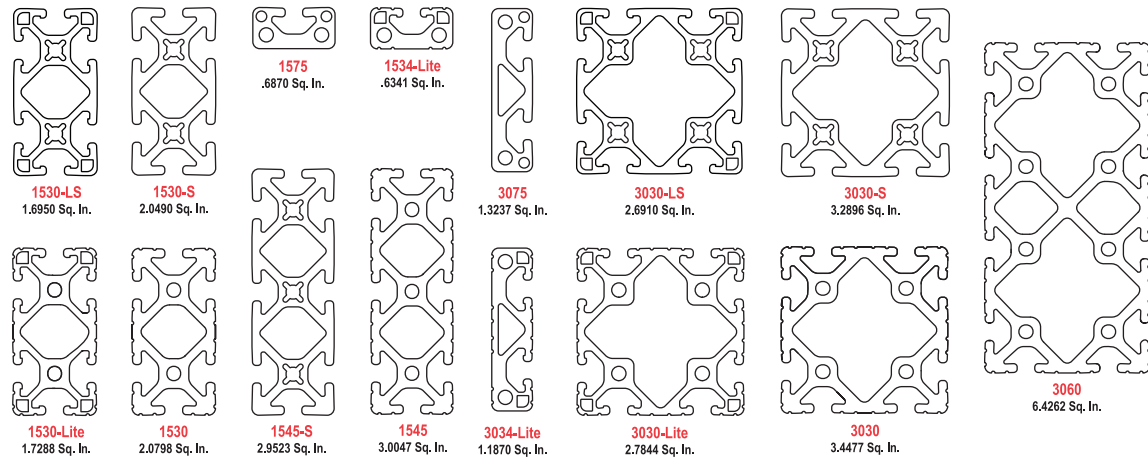
Part No.	1515	1501-LS	1501	1502-LS	1502	1503-LS
<b>Material</b>	6105-T5 Aluminum					
<b>Finish</b>	Clear Anodize #204-R1					
<b>Weight Per Foot</b>	1.3433 Lbs.	.9582 Lbs.	.9676 Lbs.	.9744 Lbs.	.9902 Lbs.	.9871 Lbs.
<b>Stock Length **</b>	97", 145", 242"	145"	145" or 242"	145"	145" or 242"	145"
<b>Moment of Inertia</b>	IX=.2542 <sup>m4</sup> IY=.2542 <sup>m4</sup>	IX=.1820 <sup>m4</sup> IY=.1799 <sup>m4</sup>	IX=.1726 <sup>m4</sup> IY=.1694 <sup>m4</sup>	IX=.1834 <sup>m4</sup> IY=.1834 <sup>m4</sup>	IX=.1660 <sup>m4</sup> IY=.1730 <sup>m4</sup>	IX=.1859 <sup>m4</sup> IY=.1840 <sup>m4</sup>
<b>Estimated Area</b>	1.1540 Sq. In.	.8232 Sq. In.	.8313 Sq. In.	.8371 Sq. In.	.8507 Sq. In.	.8480 Sq. In.
<b>Modulus of Elasticity</b>	10,200,000 Lbs./Sq. In.					

Part No.	1503	1504-LS	1504	1547	1517-LS	1517
<b>Material</b>	6105-T5 Aluminum					
<b>Finish</b>	Clear Anodize #204-R1					
<b>Weight Per Foot</b>	1.0129 Lbs.	.9530 Lbs.	.9733 Lbs.	.8668 Lbs.	.9729 Lbs.	.9785 Lbs.
<b>Stock Length **</b>	145" or 242"	145"	145" or 242"	145"	145"	97", 145", 242"
<b>Moment of Inertia</b>	IX=.1790 <sup>m4</sup> IY=.1760 <sup>m4</sup>	IX=.1796 <sup>m4</sup> IY=.1759 <sup>m4</sup>	IX=.1729 <sup>m4</sup> IY=.1665 <sup>m4</sup>	IX=.1365 <sup>m4</sup> IY=.1365 <sup>m4</sup>	IX=.1686 <sup>m4</sup> IY=.1686 <sup>m4</sup>	IX=.1628 <sup>m4</sup> IY=.1631 <sup>m4</sup>
<b>Estimated Area</b>	.8702 Sq. In.	.8188 Sq. In.	.8362 Sq. In.	.7447 Sq. In.	.8359 Sq. In.	.8406 Sq. In.
<b>Modulus of Elasticity</b>	10,200,000 Lbs./Sq. In.					

\* See Compatibility Code information on page 152.

\*\* For profile lengths other than stock length refer to page 563 for profile cut to length services.

15 Series



Compatibility Code\*: 8-15

Part No.	1575	1534-Lite	3075	3034-Lite	1530-LS
Material	6105-T5 Aluminum				
Finish	Clear Anodize #204-R1				
Weight Per Foot	.7997 Lbs.	.7381 Lbs.	1.5408 Lbs.	1.3817 Lbs.	2.0340 Lbs.
Stock Length **	145"	145"	145" or 242"	145"	145" or 242"
Moment of Inertia	IX=.0380 <sup>in4</sup> IY=.1470 <sup>in4</sup>	IX=.0356 <sup>in4</sup> IY=.1360 <sup>in4</sup>	IX=1.0672 <sup>in4</sup> IY=0.0789 <sup>in4</sup>	IX=.9829 <sup>in4</sup> IY=.0725 <sup>in4</sup>	IX= 1.3881 <sup>in4</sup> IY= 0.4061 <sup>in4</sup>
Estimated Area	.6870 Sq. In.	.6341 Sq. In.	1.3237 Sq. In.	1.1870 Sq. In.	1.6950 Sq. In.
Modulus of Elasticity	10,200,000 Lbs./Sq. In.				

Part No.	1530-Lite	1530-S	1530	1545-S	1545
Material	6105-T5 Aluminum				
Finish	Clear Anodize #204-R1				
Weight Per Foot	2.0123 Lbs.	2.3850 Lbs.	2.4209 Lbs.	3.4365 Lbs.	3.4975 Lbs.
Stock Length **	97", 145", 242"	145" or 242"	97", 145", 242"	145" or 242"	145" or 242"
Moment of Inertia	IX=1.3847 <sup>in4</sup> IY=0.3935 <sup>in4</sup>	IX=1.8127 <sup>in4</sup> IY=.4957 <sup>in4</sup>	IX=1.8042 <sup>in4</sup> IY=0.4824 <sup>in4</sup>	IX=5.6675 <sup>in4</sup> IY=.7282 <sup>in4</sup>	IX=5.6929 <sup>in4</sup> IY=0.7097 <sup>in4</sup>
Estimated Area	1.7288 Sq. In.	2.0490 Sq. In.	2.0798 Sq. In.	2.9523 Sq. In.	3.0047 Sq. In.
Modulus of Elasticity	10,200,000 Lbs./Sq. In.				

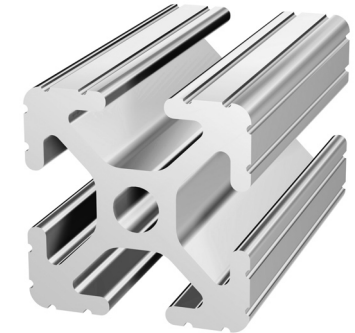
Part No.	3030-LS	3030-Lite	3030-S	3030	3060
Material	6105-T5 Aluminum				
Finish	Clear Anodize #204-R1				
Weight Per Foot	3.2280 Lbs.	3.2411 Lbs.	3.8291 Lbs.	4.0131 Lbs.	7.4801 Lbs.
Stock Length **	145" or 242"	145" or 242"	145" or 242"	145" or 242"	145", 192" or 242"
Moment of Inertia	IX= 2.6861 <sup>in4</sup> IY= 2.6861 <sup>in4</sup>	IX=2.6959 <sup>in4</sup> IY=2.6959 <sup>in4</sup>	IX=3.3496 <sup>in4</sup> IY=3.3496 <sup>in4</sup>	IX=3.4133 <sup>in4</sup> IY=3.4133 <sup>in4</sup>	IX=22.0300 <sup>in4</sup> IY=6.5164 <sup>in4</sup>
Estimated Area	2.6910 Sq. In.	2.7844 Sq. In.	3.2896 Sq. In.	3.4477 Sq. In.	6.4262 Sq. In.
Modulus of Elasticity	10,200,000 Lbs./Sq. In.				

\* See Compatibility Code information on page 152.

\*\* For profile lengths other than stock length refer to page 563 for profile cut to length services.

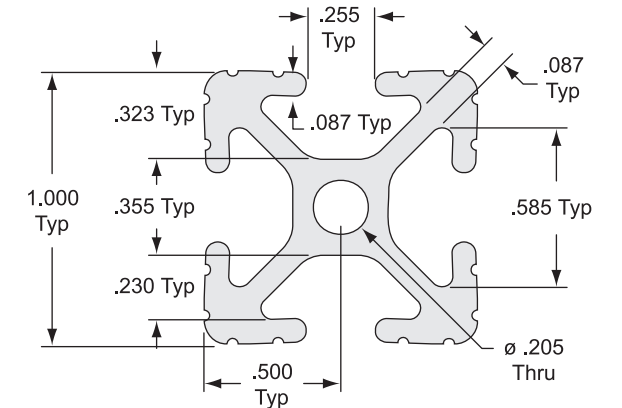
1010 T-Slotted Profile - 10 Series 

- Compatible with all 10 Series fasteners
- Four open T-slots for mounting accessories
- 1010 is ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code\*: 6-10



**VIBRATION\*\*  
PROOF™**

Part No.	<b>1010</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.5097 Lbs.
Stock Length (+/- .125")	97" - Part No. <b>1010-97</b> 145" - Part No. <b>1010-145</b> 242" - Part No. <b>1010-242</b>
Moment Of Inertia	IX=.0442 <sup>in4</sup> IY=.0442 <sup>in4</sup>
Estimated Area	.4379 Sq. In.




Quick Machining Reference

Machining Service	Service Number
Cut to Length	<b>7005</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7061</b> (see page 564)

Pre-Cut Lengths

48" - Part No. <b>1010-48</b>	72" - Part No. <b>1010-72</b>
-------------------------------	-------------------------------

- Pre-cut, ready to ship
- Cut to our standard tolerance of +/- .015"
- One part number, one price (includes cut charge)

Note: Look for the  icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

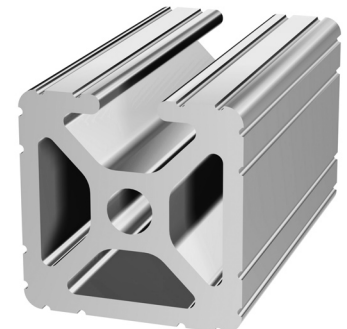
\* See Compatibility Code information on page 152.

\*\* See 2° Drop-Lock information on page 150.



**1001 T-Slotted Profile - 10 Series**  

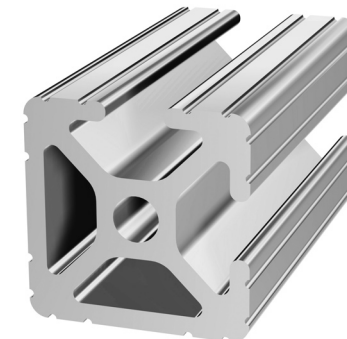
- Compatible with all 10 Series fasteners
- Three closed sides with one open
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code\*: 6-10



**VIBRATION\*\*  
PROOF™**

**1002 T-Slotted Profile - 10 Series**  

- Compatible with all 10 Series fasteners
- Two adjacent closed sides, two adjacent open sides
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code\*: 6-10

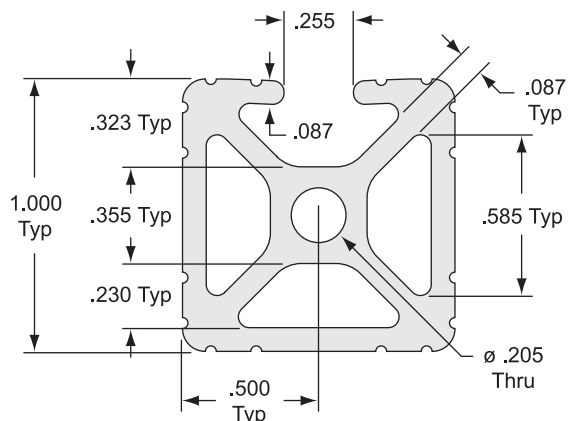


**VIBRATION\*\*  
PROOF™**

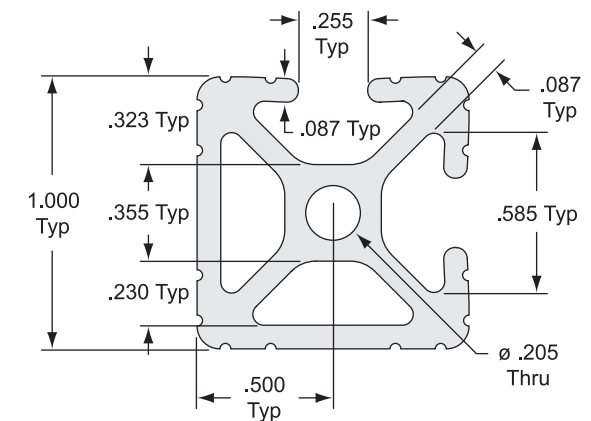
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1

Part No.	<b>1001</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.5900 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1001-145</b> 242" - Part No. <b>1001-242</b>
Moment Of Inertia	IX=.0493 <sup>m4</sup> IY=.0542 <sup>m4</sup>
Estimated Area	.5069 Sq. In.



Part No.	<b>1002</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.5627 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1002-145</b> 242" - Part No. <b>1002-242</b>
Moment Of Inertia	IX=.0492 <sup>m4</sup> IY=.0492 <sup>m4</sup>
Estimated Area	.4834 Sq. In.




**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7005</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7061</b> (see page 564)


**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7005</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7061</b> (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

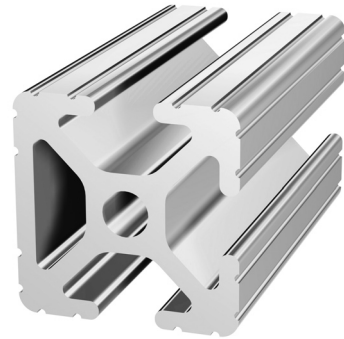
**Note:** Look for the  icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**Note:** Look for the  icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

**1003 T-Slotted Profile - 10 Series**  

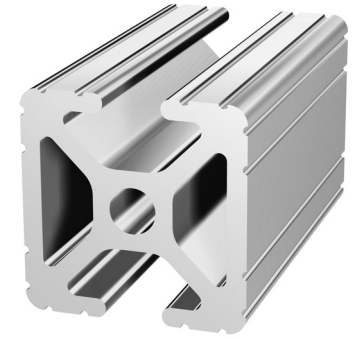
- Compatible with all 10 Series fasteners
- One closed side with three open T-slots
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code\*: 6-10



**VIBRATION  
PROOF™**

**1004 T-Slotted Profile - 10 Series**  

- Compatible with all 10 Series fasteners
- Two opposite closed-side faces
- The 1004 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code\*: 6-10

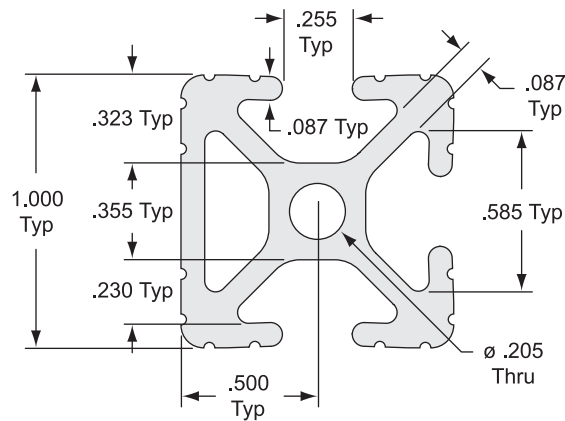


**VIBRATION  
PROOF™**

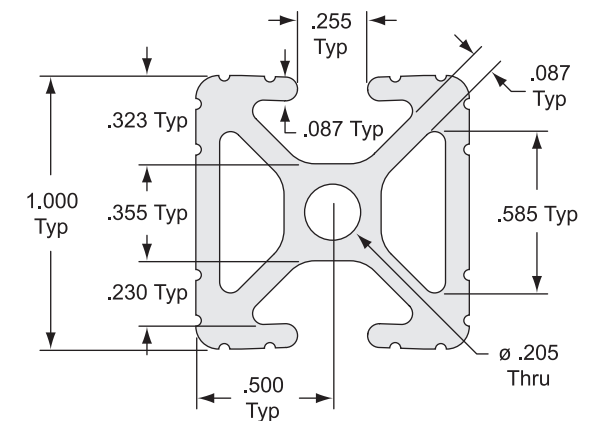
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1

Part No.	<b>1003</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.5333 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1003-145</b> 242" - Part No. <b>1003-242</b>
Moment Of Inertia	IX=.0441" <sup>4</sup> IY=.0491" <sup>4</sup>
Estimated Area	.4582 Sq. In.



Part No.	<b>1004</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.5609 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1004-145</b> 242" - Part No. <b>1004-242</b>
Moment Of Inertia	IX=.0443" <sup>4</sup> IY=.0541" <sup>4</sup>
Estimated Area	.4819 Sq. In.




**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7005</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7061</b> (see page 564)

\* See Compatibility Code information on page 152.

\*\* See 2° Drop-Lock information on page 150.


**Note:** Look for the  icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7005</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7061</b> (see page 564)

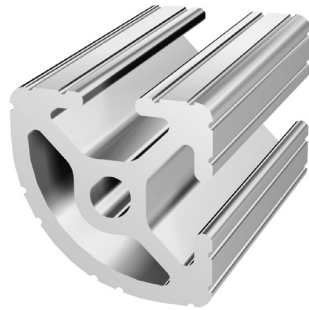
\* See Compatibility Code information on page 152.

\*\* See 2° Drop-Lock information on page 150.

**Note:** Look for the  icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

**1012 T-Slotted Profile - 10 Series**  

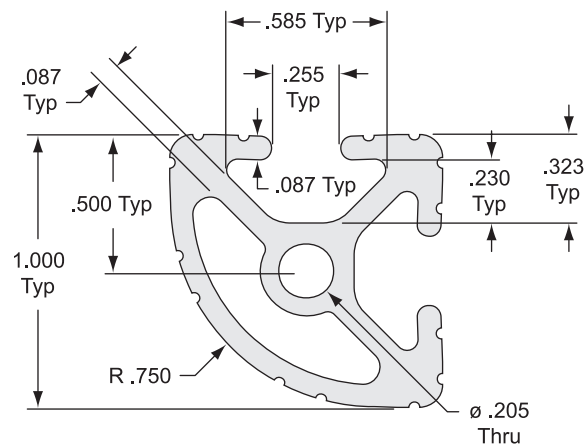
- Compatible with all 10 Series fasteners
- A .750" radius curved back with two open T-slots
- The 1012 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Use 1012 for light-duty workstations, displays, exhibits, inspection devices or office furniture
- Compatibility Code\*: 6-10



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1012</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.4982 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1012-145</b> 242" - Part No. <b>1012-242</b>
Moment Of Inertia	IX=.0400" <sup>4</sup> IY=.0400" <sup>4</sup>
Estimated Area	.4280 Sq. In.




**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7005</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7061</b> (see page 564)

\* See Compatibility Code information on page 152.

\*\* See 2° Drop-Lock information on page 150.

**Note:** Look for the  icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

**1050 T-Slotted Profile - 10 Series**  

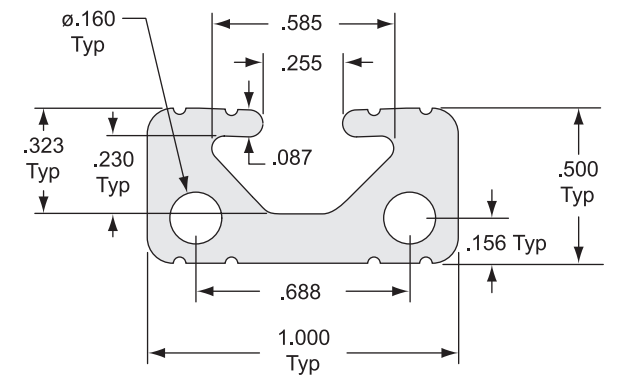
- Compatible with most 10 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- Compatibility Code\*: 6-10



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1050</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.3679 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1050-145</b>
Moment Of Inertia	IX=.0074" <sup>4</sup> IY=.0323" <sup>4</sup>
Estimated Area	.3161 Sq. In.




**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7005</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7006</b> (see page 564)
Drill & Counterbore	<b>7256</b> (see page 574)

\* See Compatibility Code information on page 152.

\*\* See 2° Drop-Lock information on page 150.

**Note:** Look for the  icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

**2012 T-Slotted Profile - 10 Series**



- Compatible with all 10 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- Compatibility Code\*: 6-10



**VIBRATION\*\*  
PROOF™**

Part No.	<b>2012</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.6580 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>2012-145</b>
Moment Of Inertia	IX=.2253 <sup>nd</sup> IY=.0146 <sup>nd</sup>
Estimated Area	.5653 Sq. In.

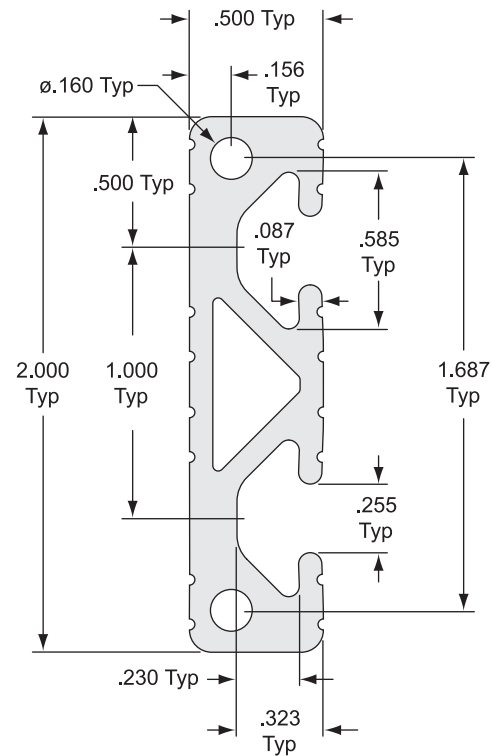
**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7000</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7008</b> (see page 564)
Drill & Counterbore	<b>7256</b> (see page 574)

**Note:** Look for the icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

\* See Compatibility Code information on page 152.

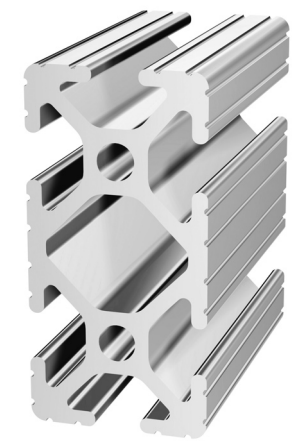
\*\* See 2° Drop-Lock information on page 150.



**1020 T-Slotted Profile - 10 Series**



- Compatible with most 10 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code\*: 6-10



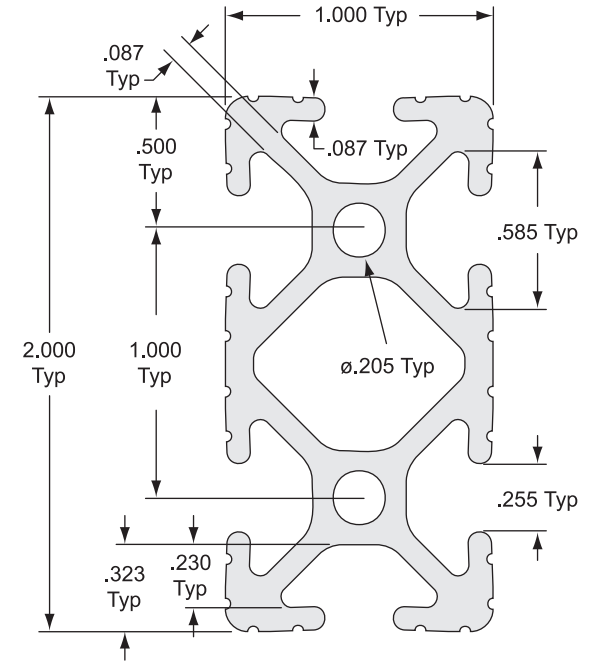
**VIBRATION\*\*  
PROOF™**

Part No.	<b>1020</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9212 Lbs.
Stock Length (+/- .125")	97" - Part No. <b>1020-97</b> 145" - Part No. <b>1020-145</b> 242" - Part No. <b>1020-242</b>
Moment Of Inertia	IX=.3078 <sup>nd</sup> IY=.0833 <sup>nd</sup>
Estimated Area	.7914 Sq. In.

**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7000</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7046</b> (see page 564)

**Note:** Look for the icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.



<b>Pre-Cut Lengths</b>	48" - Part No. <b>1020-48</b>	72" - Part No. <b>1020-72</b>
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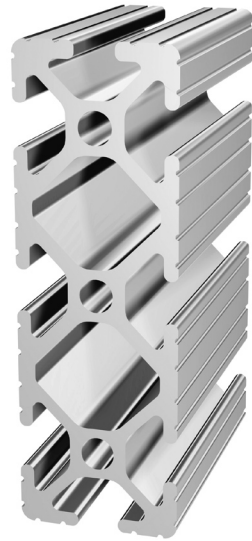
- Pre-cut, ready to ship
- Cut to our standard tolerance of +/- .015"
- One part number, one price (includes cut charge)

\* See Compatibility Code information on page 150.

\*\* See 2° Drop-Lock information on page 150.

**1030 T-Slotted Profile - 10 Series** 

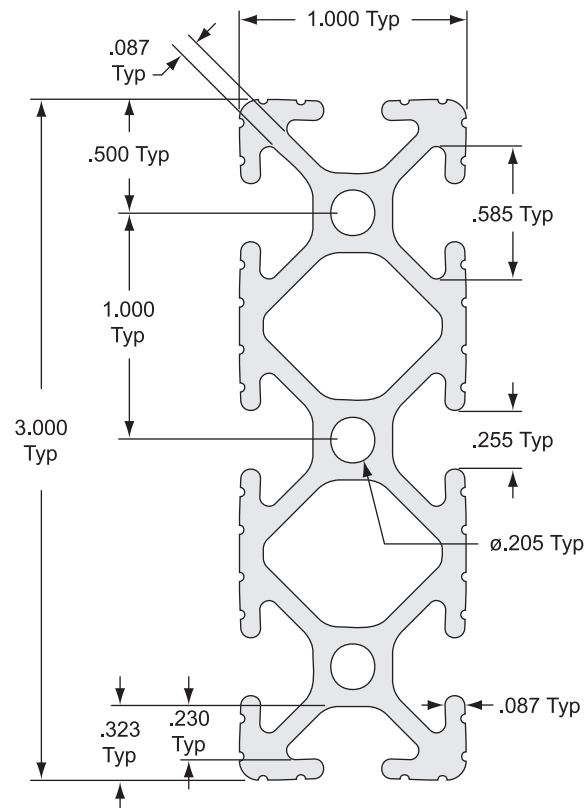
- Compatible with all 10 Series fasteners
- Eight open T-slots for mounting accessories
- Great for linear motion, machine frames, robotics and supports
- The cavities can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code\*: 6-10



**VIBRATION  
PROOF™**

1


Part No.	<b>1030</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.3498 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1030-145</b> 242" - Part No. <b>1030-242</b>
Moment Of Inertia	IX=.9711" <sup>4</sup> IY=.1238" <sup>4</sup>
Estimated Area	1.1596 Sq. In.



\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

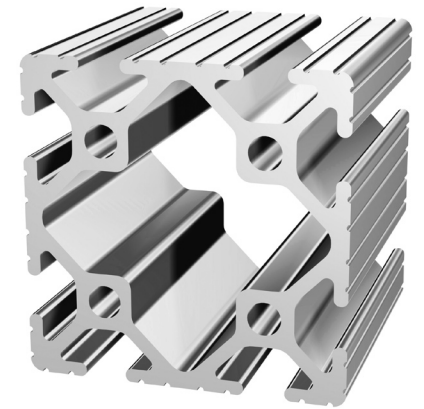
**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7003</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7036</b> (see page 564)

**Note:** Look for the  icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

**2020 T-Slotted Profile - 10 Series** 

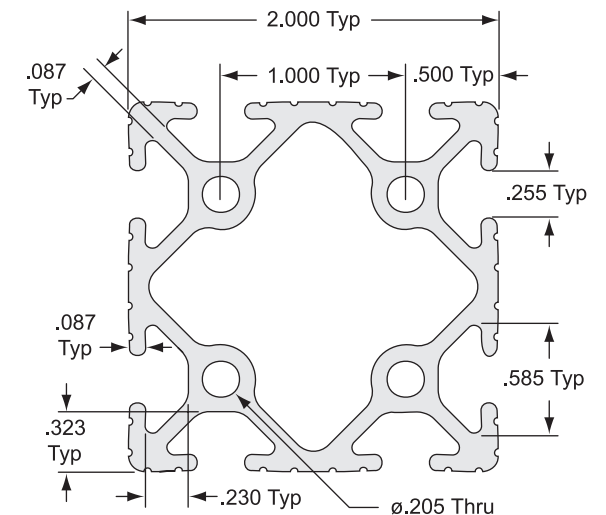
- Compatible with all 10 Series fasteners
- Eight open T-slots for mounting accessories
- The 2020 profile is ideal for applications where strength and open T-slots are required
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code\*: 6-10



**VIBRATION  
PROOF™**

1


Part No.	<b>2020</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.4060 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>2020-145</b> 242" - Part No. <b>2020-242</b>
Moment Of Inertia	IX=.5509" <sup>4</sup> IY=.5509" <sup>4</sup>
Estimated Area	1.2079 Sq. In.



\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

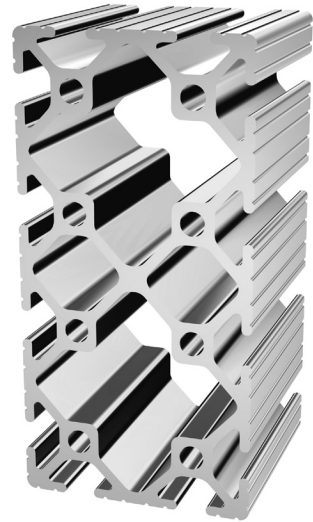
**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7012</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7064</b> (see page 564)

**Note:** Look for the  icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

**2040 T-Slotted Profile - 10 Series**  

- Compatible with all 10 Series fasteners
- 12 open T-slots for mounting accessories
- The 2040 profile is ideal for applications where strength and open T-slots are required
- The cavities can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code\*: 6-10



**VIBRATION\*\*  
PROOF™**

**1515-ULS T-Slotted Profile - 15 Series**

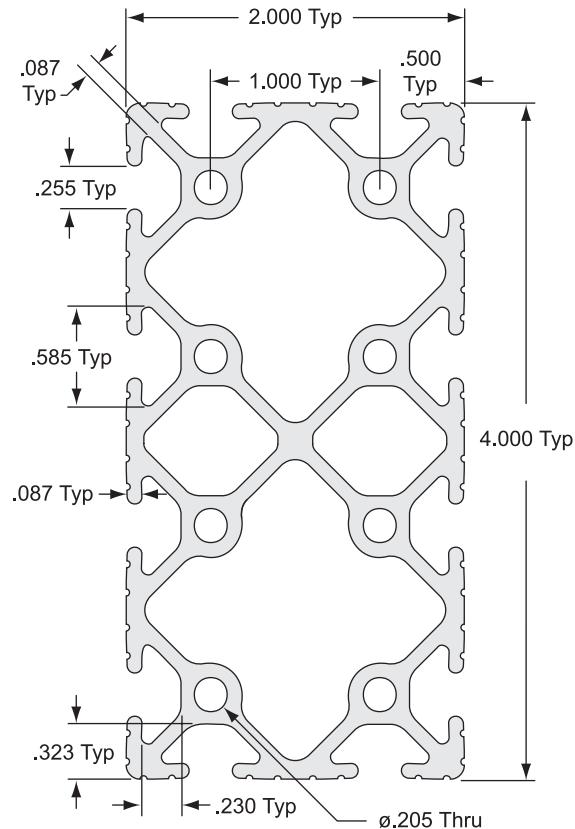


- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515-ULS is a great choice when modularity is needed in lightweight applications such as guards, enclosures, workstations and furniture
- 1515-ULS profile has a smooth surface
- Compatibility Code\*: 8-15




**VIBRATION\*\*  
PROOF™**

Part No.	<b>2040</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	2.6146 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>2040-145</b> 242" - Part No. <b>2040-242</b>
Moment Of Inertia	IX=3.5168" <sup>4</sup> IY=1.0513" <sup>4</sup>
Estimated Area	2.2563 Sq. In.



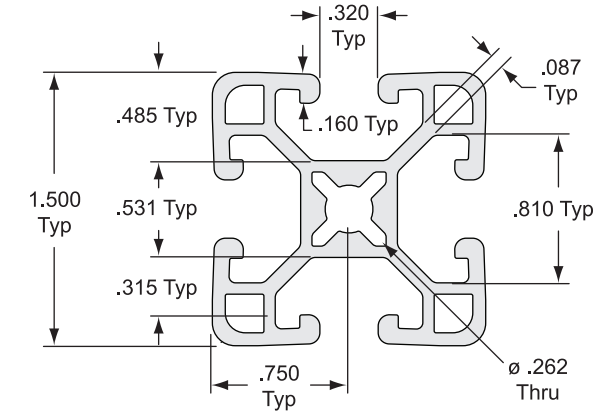
**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7013</b> (see page 563)
.218" Access Hole	<b>7051</b> (see page 565)
Anchor Counterbore	<b>7042</b> (see page 567)
Tap Profile End	<b>7038</b> (see page 564)

**Note:** Look for the  icon throughout the Fractional portion of this catalog. This icon points out all 10 Series compatible parts and accessories.

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

Part No.	<b>1515-ULS</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9360 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1515-ULS-145</b> 242" - Part No. <b>1515-ULS-242</b>
Moment Of Inertia	IX=.1765" <sup>4</sup> IY=.1765" <sup>4</sup>
Estimated Area	.7810 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7010</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7060</b> (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1515-UL T-Slotted Profile - 15 Series**



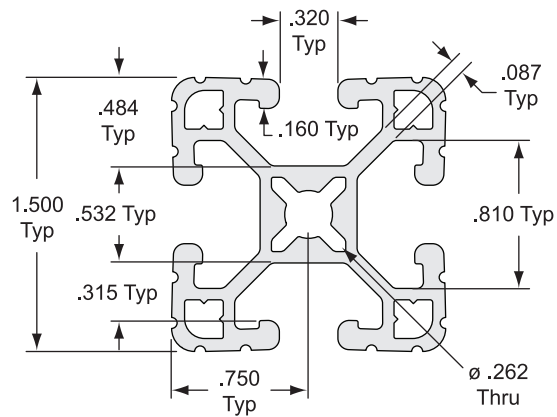
- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515-UL is a great choice when modularity is needed in lightweight applications such as guards, enclosures, workstations and furniture
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1515-UL</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9240 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1515-UL-145</b> 242" - Part No. <b>1515-UL-242</b>
Moment Of Inertia	IX=.1772" <sup>4</sup> IY=.1772" <sup>4</sup>
Estimated Area	.7938 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1515-LS T-Slotted Profile - 15 Series**



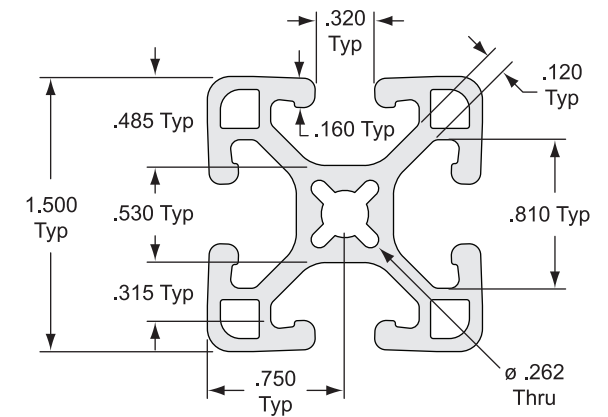
- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515-LS is a great choice when strength is needed in lightweight applications such as guards, enclosures, workstations and furniture
- 1515-LS profile has a smooth surface
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1515-LS</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.053 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1515-LS-145</b> 242" - Part No. <b>1515-LS-242</b>
Moment Of Inertia	IX=.1921" <sup>4</sup> IY=.1921" <sup>4</sup>
Estimated Area	.8770 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1515-Lite T-Slotted Profile - 15 Series** 

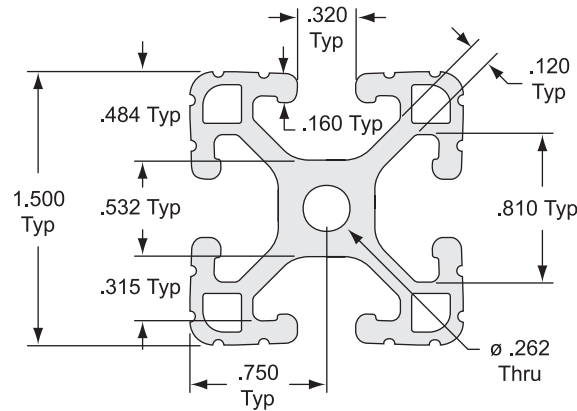
- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515-Lite is a great choice when strength is needed in lightweight applications such as guards, enclosures, workstations and furniture
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1515-Lite</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.0460 Lbs.
Stock Length (+/- .125")	97" - Part No. <b>1515-Lite-97</b> 145" - Part No. <b>1515-Lite-145</b> 242" - Part No. <b>1515-Lite-242</b>
Moment Of Inertia	IX=.1853 <sup>in4</sup> IY=.1853 <sup>in4</sup>
Estimated Area	.8986 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1515-S T-Slotted Profile - 15 Series**



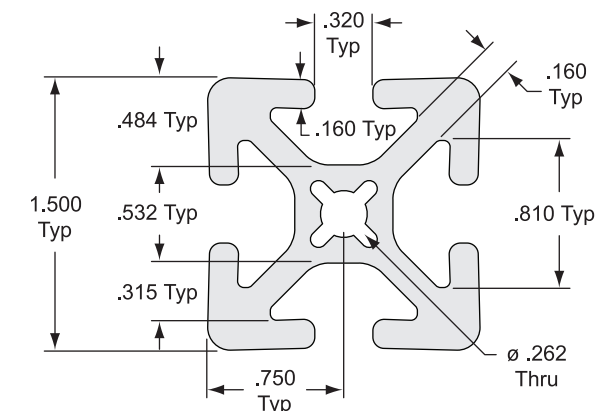
- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515-S is ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- 1515-S profile has a smooth surface
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1515-S</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.3338 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1515-S-145</b> 242" - Part No. <b>1515-S-242</b>
Moment Of Inertia	IX=.2631 <sup>in4</sup> IY=.2631 <sup>in4</sup>
Estimated Area	1.1458 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.



**1515 T-Slotted Profile - 15 Series**



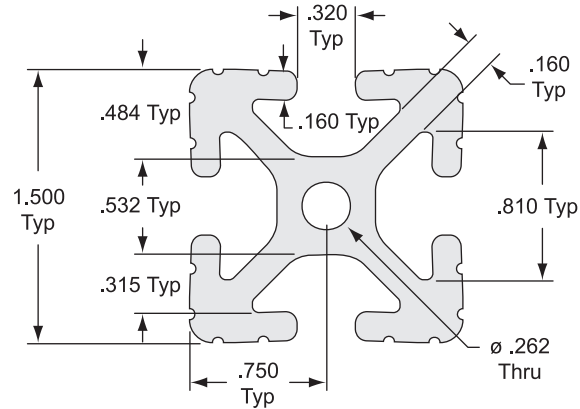
- Compatible with all 15 Series fasteners
- Four open T-slots for mounting accessories
- 1515 is ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1515</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.3433 Lbs.
Stock Length (+/- .125")	97" - Part No. <b>1515-97</b> 145" - Part No. <b>1515-145</b> 242" - Part No. <b>1515-242</b>
Moment Of Inertia	IX=.2524" <sup>4</sup> IY=.2524" <sup>4</sup>
Estimated Area	1.1540 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7010</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7060</b> (see page 564)

**Pre-Cut Lengths**

48" - Part No. <b>1515-48</b>	72" - Part No. <b>1515-72</b>
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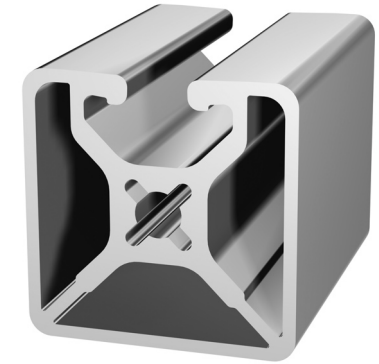
- Pre-cut, ready to ship
- Cut to our standard tolerance of +/- .015"
- One part number, one price (includes cut charge)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1501-LS T-Slotted Profile - 15 Series**



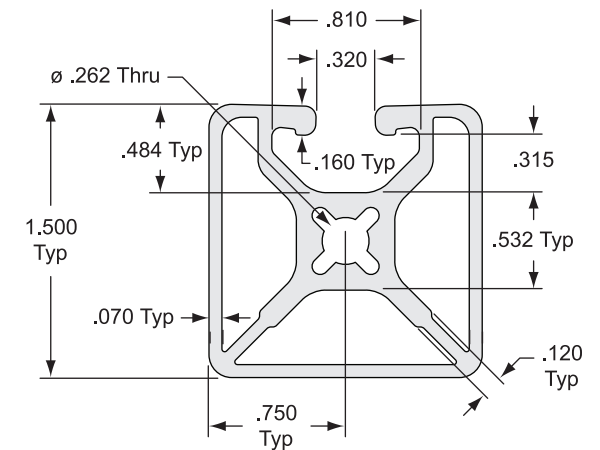
- Compatible with all 15 Series fasteners
- Three closed sides with one open T-slot
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- 1501-LS profile has a smooth surface
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1501-LS</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9582 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1501-LS-145</b>
Moment Of Inertia	IX=.1820" <sup>4</sup> IY=.1799" <sup>4</sup>
Estimated Area	.8232 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7010</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7060</b> (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1501 T-Slotted Profile - 15 Series**



- Compatible with all 15 Series fasteners
- Three closed sides with one open T-slot
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

**1502-LS T-Slotted Profile - 15 Series**



- Compatible with all 15 Series fasteners
- Three closed sides with two open T-slots, each adjacent to one another
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- 1502-LS profile has a smooth surface
- Compatibility Code\*: 8-15

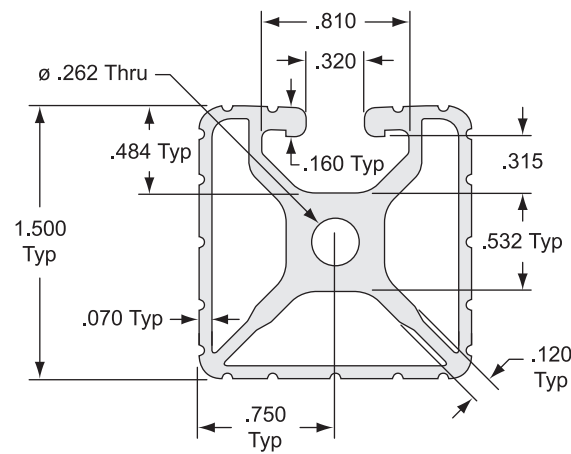


**VIBRATION\*\*  
PROOF™**

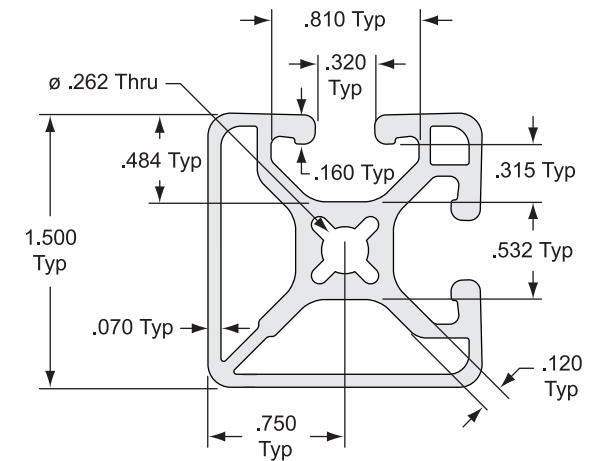
1

1

Part No.	<b>1501</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9676 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1501-145</b> 242" - Part No. <b>1501-242</b>
Moment Of Inertia	IX=.1726 <sup>m4</sup> IY=.1694 <sup>m4</sup>
Estimated Area	.8313 Sq. In.



Part No.	<b>1502-LS</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9744 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1502-LS-145</b>
Moment Of Inertia	IX=.1834 <sup>m4</sup> IY=.1834 <sup>m4</sup>
Estimated Area	.8371 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7010</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7060</b> (see page 564)

**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7010</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7060</b> (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1502 T-Slotted Profile - 15 Series**



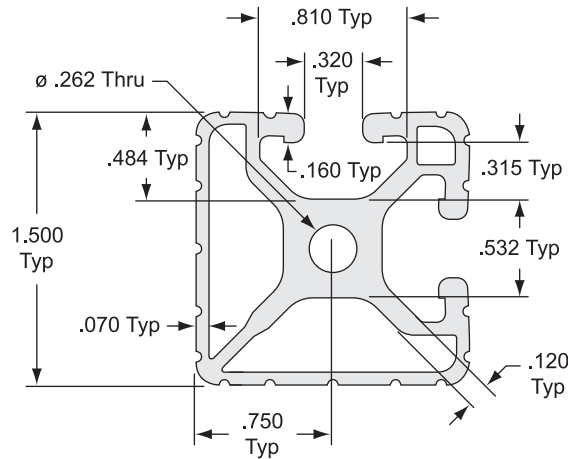
- Compatible with all 15 Series fasteners
- Two closed sides, two open T-slots, each adjacent to one another
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1502</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9902 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1502-145</b> 242" - Part No. <b>1502-242</b>
Moment Of Inertia	IX=.1660 <sup>in4</sup> IY=.1730 <sup>in4</sup>
Estimated Area	.8507 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1503-LS T-Slotted Profile - 15 Series**



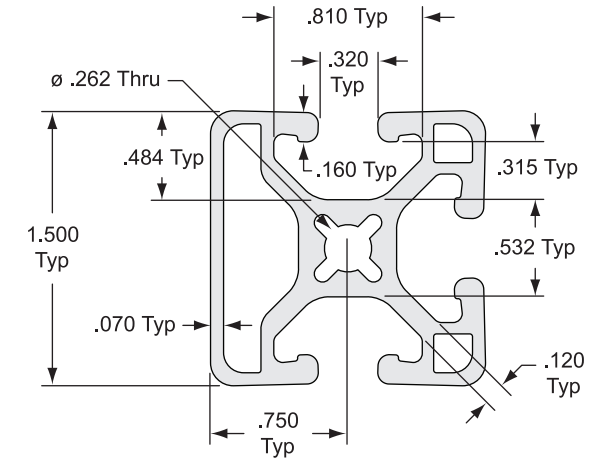
- Compatible with all 15 Series fasteners
- One closed side with three open T-slots
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- 1503-LS profile has a smooth surface
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1503-LS</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9871 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1503-LS-145</b>
Moment Of Inertia	IX=.1859 <sup>in4</sup> IY=.1840 <sup>in4</sup>
Estimated Area	.8480 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1503 T-Slotted Profile - 15 Series**



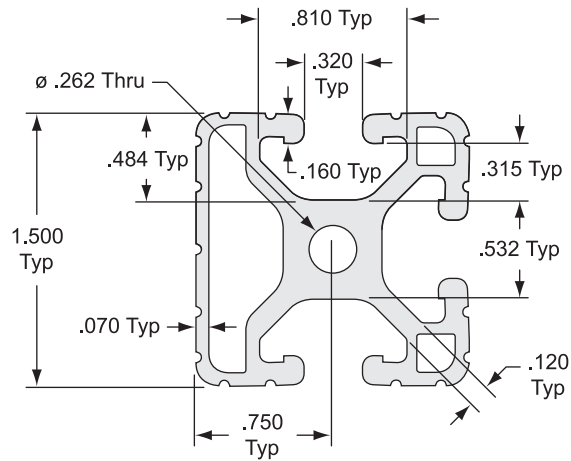
- Compatible with all 15 Series fasteners
- One closed side with three open T-slots
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1503</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.0129 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1503-145</b> 242" - Part No. <b>1503-242</b>
Moment Of Inertia	IX=.1760 <sup>in4</sup> IY=.1790 <sup>in4</sup>
Estimated Area	.8702 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1504-LS T-Slotted Profile - 15 Series**



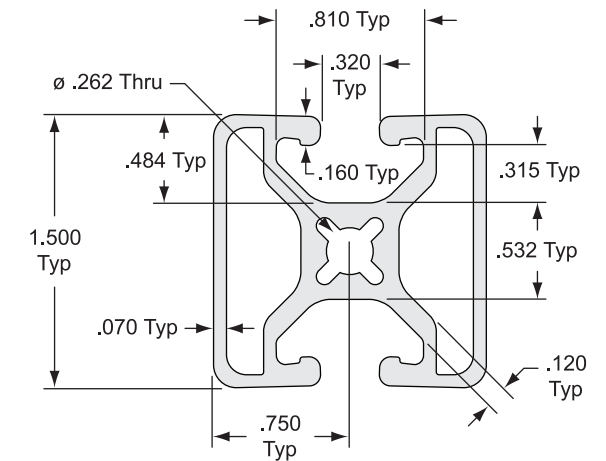
- Compatible with all 15 Series fasteners
- Two closed sides with two open T-slots, opposite each other
- Clean, aesthetic look
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- 1504-LS profile has a smooth surface
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1504-LS</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9530 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1504-LS-145</b>
Moment Of Inertia	IX=.1796 <sup>in4</sup> IY=.1759 <sup>in4</sup>
Estimated Area	.8188 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1504 T-Slotted Profile - 15 Series**



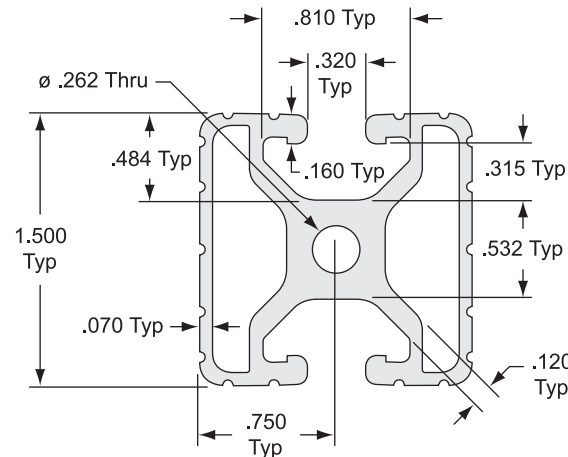
- Compatible with all 15 Series fasteners
- Two closed sides with two open T-slots, opposite each other
- The 1504 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Great for projects such as furniture, displays, trade show booths, retail kiosks or anything requiring a finished look
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1504</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9733 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1504-145</b> 242" - Part No. <b>1504-242</b>
Moment Of Inertia	IX=.1729" <sup>4</sup> IY=.1665" <sup>4</sup>
Estimated Area	.8362 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1547 T-Slotted Profile - 15 Series**



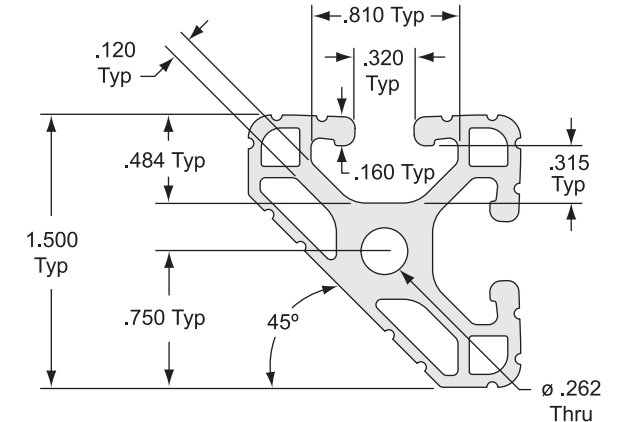
- Compatible with all 15 Series fasteners
- A 45° angled back with two open T-slots
- The 1547 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Use 1547 for large workstations, displays, exhibits, inspection devices or office furniture
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1547</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.8668 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1547-145</b>
Moment Of Inertia	IX=.1365" <sup>4</sup> IY=.1365" <sup>4</sup>
Estimated Area	.7447 Sq. In.



**Quick Machining Reference**

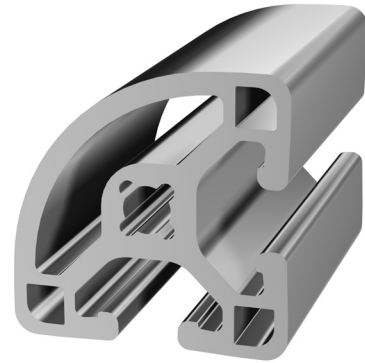
Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7060 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1517-LS T-Slotted Profile - 15 Series**



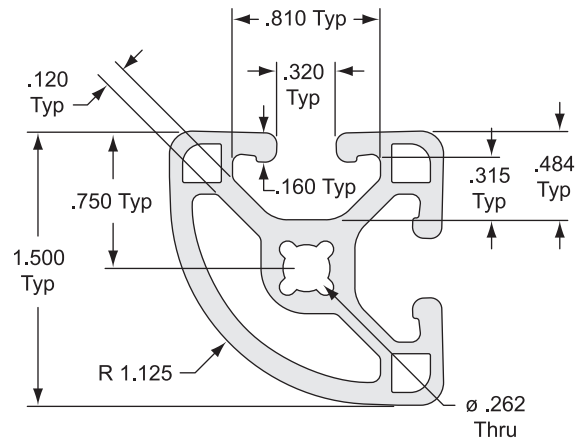
- Compatible with all 15 Series fasteners
- A 1.125" radius curved back with two open T-slots
- The 1517-LS profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Use 1517-LS for large workstations, displays, exhibits, inspection devices or office furniture
- 1517-LS profile has a smooth surface
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1517-LS</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9729 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1517-LS-145</b>
Moment Of Inertia	IX=.1686" <sup>4</sup> IY=.1686" <sup>4</sup>
Estimated Area	.8359 Sq. In.



**Quick Machining Reference**

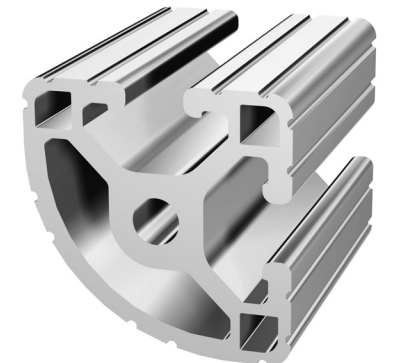
Machining Service	Service Number
Cut to Length	<b>7010</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7060</b> (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1517 T-Slotted Profile - 15 Series**



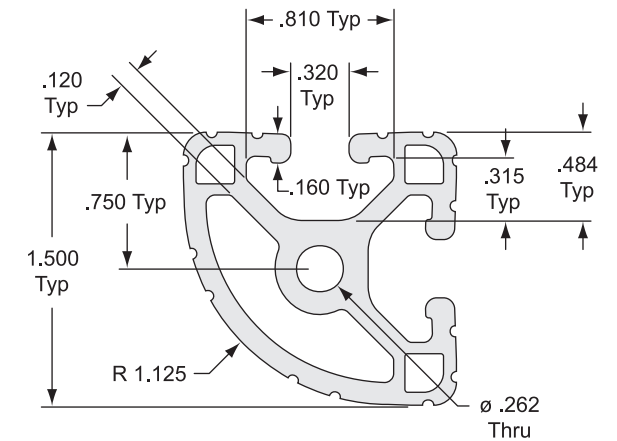
- Compatible with all 15 Series fasteners
- A 1.125" radius curved back with two open T-slots
- The 1517 profile allows support structures or large panels to be easily placed into the open T-slots, while maintaining a continuous surface
- Use 1517 for large workstations, displays, exhibits, inspection devices or office furniture
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1517</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.9785 Lbs.
Stock Length (+/- .125")	97" - Part No. <b>1517-97</b> 145" - Part No. <b>1517-145</b> 242" - Part No. <b>1517-242</b>
Moment Of Inertia	IX=.1628" <sup>4</sup> IY=.1631" <sup>4</sup>
Estimated Area	.8406 Sq. In.



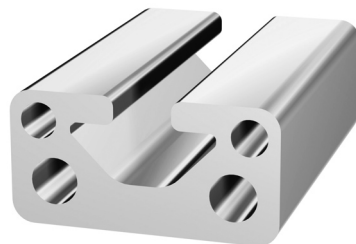
**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7010</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7060</b> (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1575 T-Slotted Profile - 15 Series** 

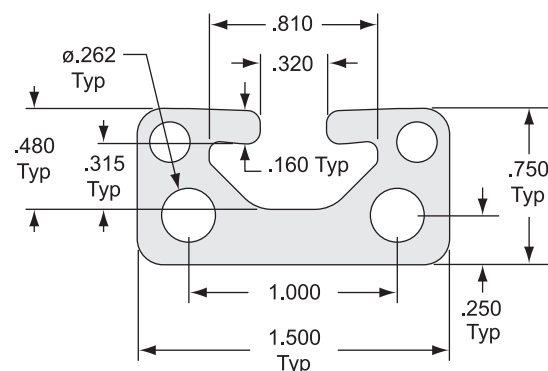
- Compatible with all 15 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- 1575 profile has a smooth surface
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1575</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.7997 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1575-145</b>
Moment Of Inertia	IX=.0380 <sup>in4</sup> IY=.1470 <sup>in4</sup>
Estimated Area	.6870 Sq. In.



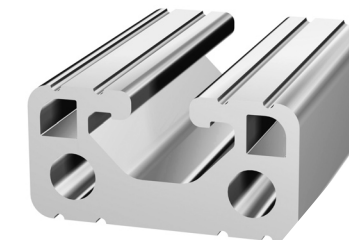
**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7014 (see page 564)
Drill & Counterbore	7257 (see page 574)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1534-Lite T-Slotted Profile - 15 Series** 

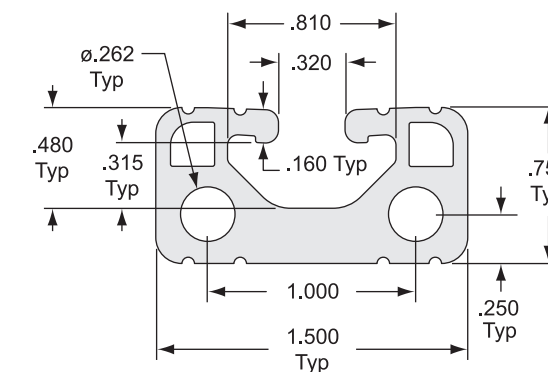
- Compatible with all 15 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1534-Lite</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	.7381 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1534-Lite-145</b>
Moment Of Inertia	IX=.0356 <sup>in4</sup> IY=.1360 <sup>in4</sup>
Estimated Area	.6341 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7010 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7014 (see page 564)
Drill & Counterbore	7257 (see page 574)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**3075 T-Slotted Profile - 15 Series**



- Compatible with all 15 Series fasteners
- Thinner T-slotted profile with a smooth surface that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- 3075 profile has a smooth surface
- Compatibility Code\*: 8-15

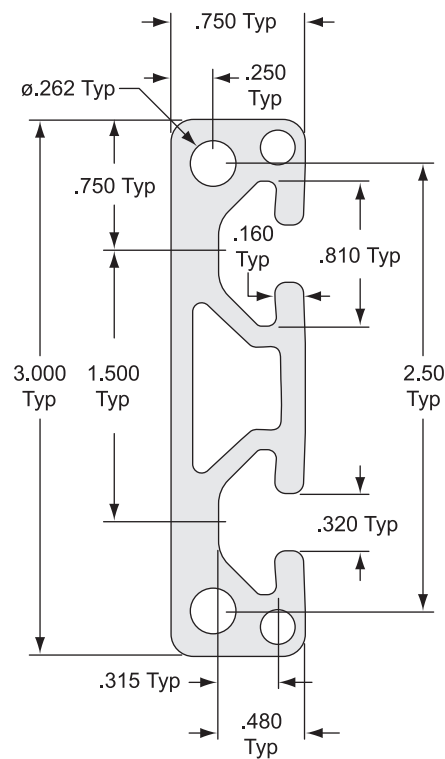
**VIBRATION  
PROOF™**



Part No.	<b>3075</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.5408 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>3075-145</b>
Moment Of Inertia	IX=1.0672 <sup>m4</sup> IY=.0789 <sup>m4</sup>
Estimated Area	1.3237 Sq. In.

**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7020</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7016</b> (see page 564)
Drill & Counterbore	<b>7257</b> (see page 574)



\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**3034-Lite T-Slotted Profile - 15 Series**



- Compatible with all 15 Series fasteners
- Thinner T-slotted profile that mounts easily to flat surfaces
- Works great as a supporting structure or spacer for mounting accessories
- Mount handles, door tracks, rails and other supports for components, such as valves and sensors, with this profile
- Compatibility Code\*: 8-15

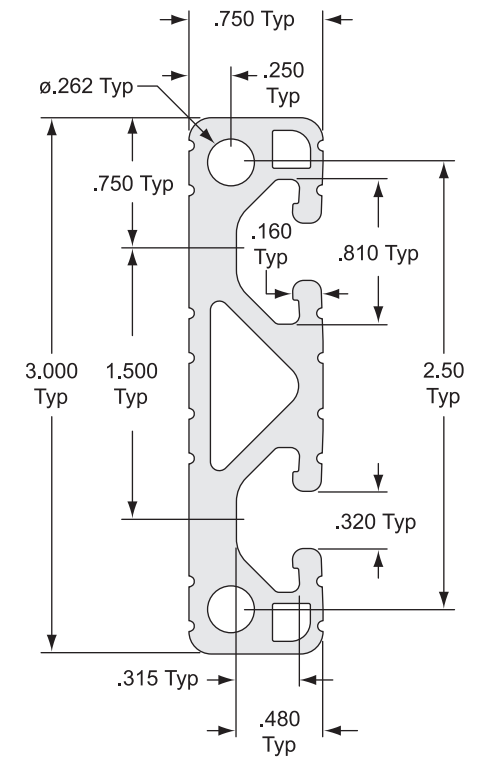
**VIBRATION  
PROOF™**



Part No.	<b>3034-Lite</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	1.3817 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>3034-Lite-145</b>
Moment Of Inertia	IX=.9829 <sup>m4</sup> IY=.0725 <sup>m4</sup>
Estimated Area	1.1870 Sq. In.

**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7020</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7016</b> (see page 564)
Drill & Counterbore	<b>7257</b> (see page 574)



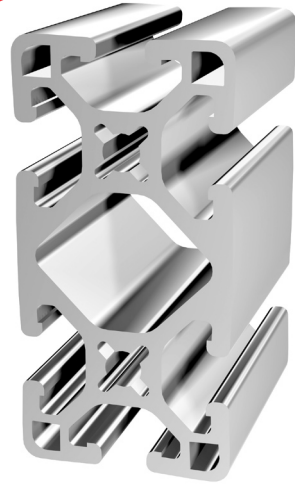
\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.



**1530-LS T-Slotted Profile - 15 Series**



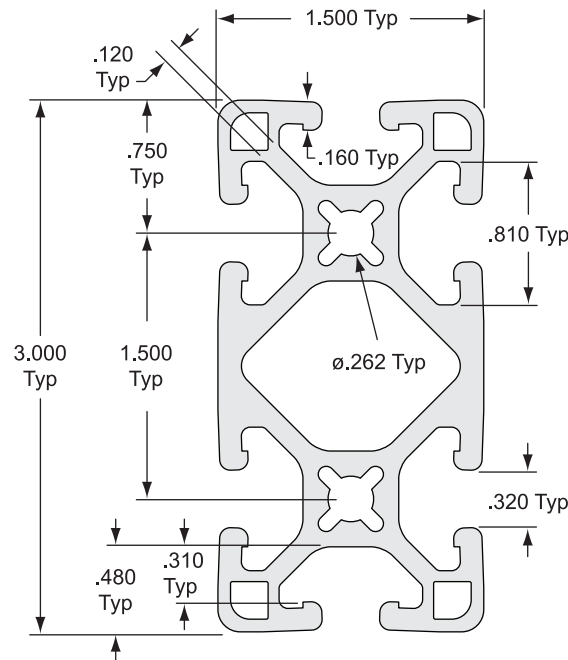
- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- 1530-LS profile has a smooth surface
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1530-LS</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	2.034 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1530-LS-145</b> 242" - Part No. <b>1530-LS-242</b>
Moment Of Inertia	IX= 1.3881" <sup>4</sup> IY=0.4061" <sup>4</sup>
Estimated Area	1.6950 Sq. In.



\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

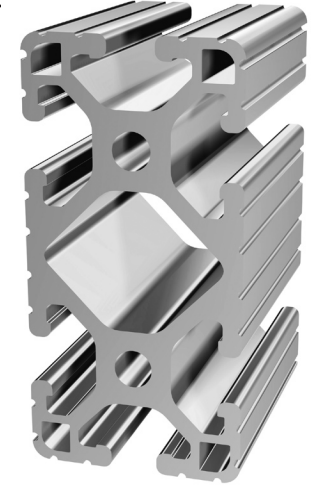
**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

**1530-Lite T-Slotted Profile - 15 Series**



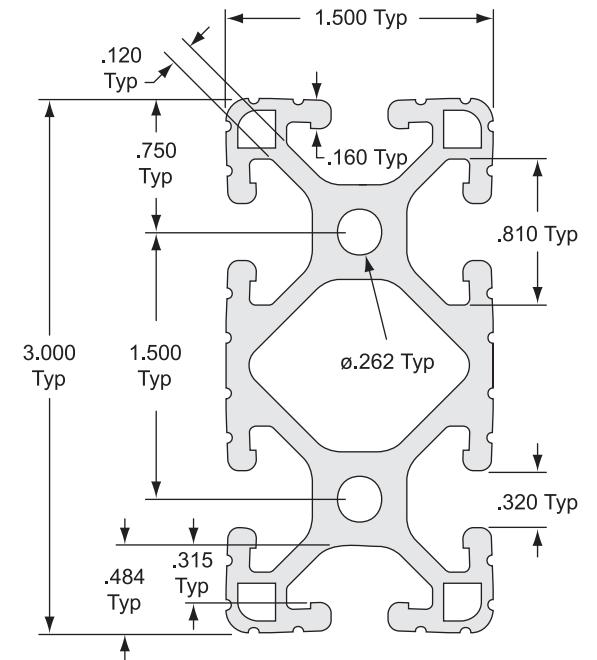
- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code\*: 8-15



**VIBRATION\*\*  
PROOF™**

1

Part No.	<b>1530-Lite</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	2.0123 Lbs.
Stock Length (+/- .125")	97" - Part No. <b>1530-Lite-97</b> 145" - Part No. <b>1530-Lite-145</b> 242" - Part No. <b>1530-Lite-242</b>
Moment Of Inertia	IX=1.3847" <sup>4</sup> IY=.3935" <sup>4</sup>
Estimated Area	1.7288 Sq. In.

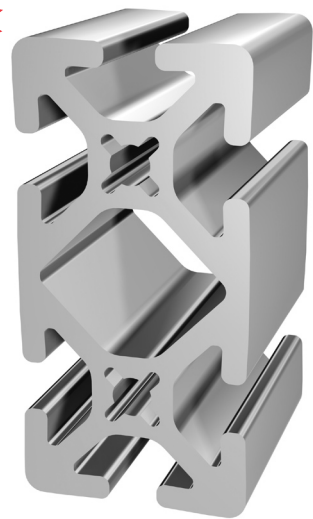


\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7020 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7045 (see page 564)

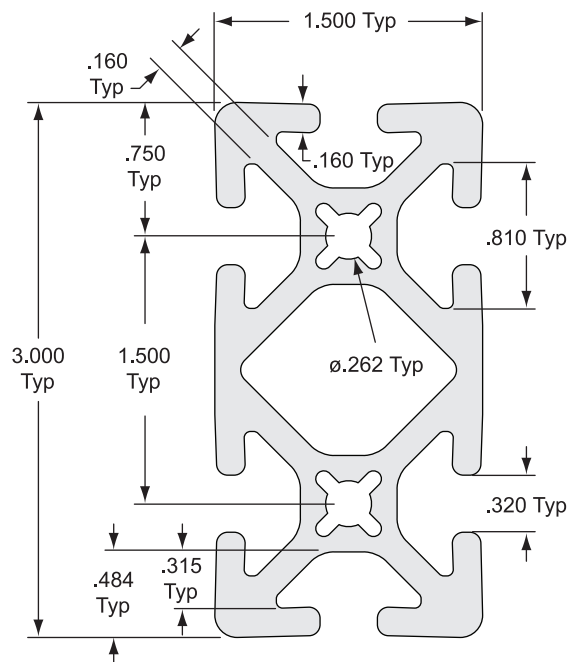
**1530-S T-Slotted Profile - 15 Series**



- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- 1530-S profile has a smooth surface
- Compatibility Code\*: 8-15

**VIBRATION\*\*  
PROOF™**

Part No.	<b>1530-S</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	2.3850 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1530-S-145</b> 242" - Part No. <b>1530-S-242</b>
Moment Of Inertia	IX= 1.8127" <sup>4</sup> IY= 0.4957" <sup>4</sup>
Estimated Area	2.0490 Sq. In.

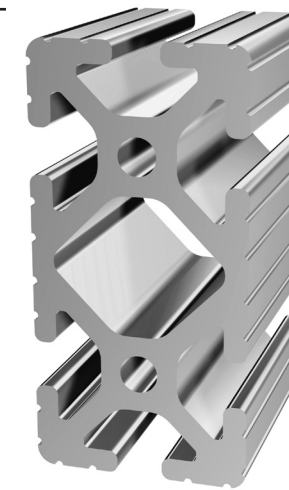


**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7020</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7045</b> (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

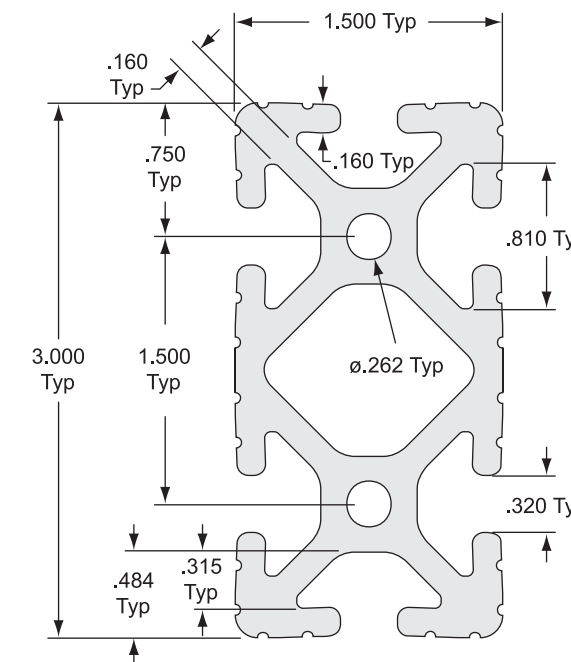
**1530 T-Slotted Profile - 15 Series**



- Compatible with all 15 Series fasteners
- Six open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Ideal for machine guards, sound enclosures, work benches, displays and panel mount racks
- Compatibility Code\*: 8-15

**VIBRATION\*\*  
PROOF™**

Part No.	<b>1530</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	2.4209 Lbs.
Stock Length (+/- .125")	97" - Part No. <b>1530-97</b> 145" - Part No. <b>1530-145</b> 242" - Part No. <b>1530-242</b>
Moment Of Inertia	IX=1.8042" <sup>4</sup> IY=.4824" <sup>4</sup>
Estimated Area	2.0798 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7020</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7045</b> (see page 564)

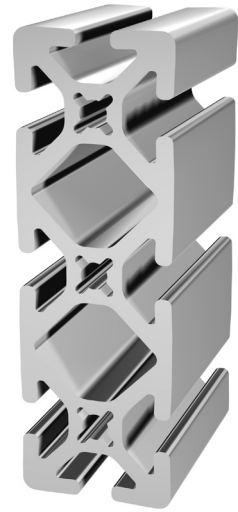
**Pre-Cut Lengths**

48" - Part No. <b>1530-48</b>	72" - Part No. <b>1530-72</b>
-------------------------------	-------------------------------

- Pre-cut, ready to ship
- Cut to our standard tolerance of +/- .015"
- One part number, one price (includes cut charge)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1545-S T-Slotted Profile - 15 Series**



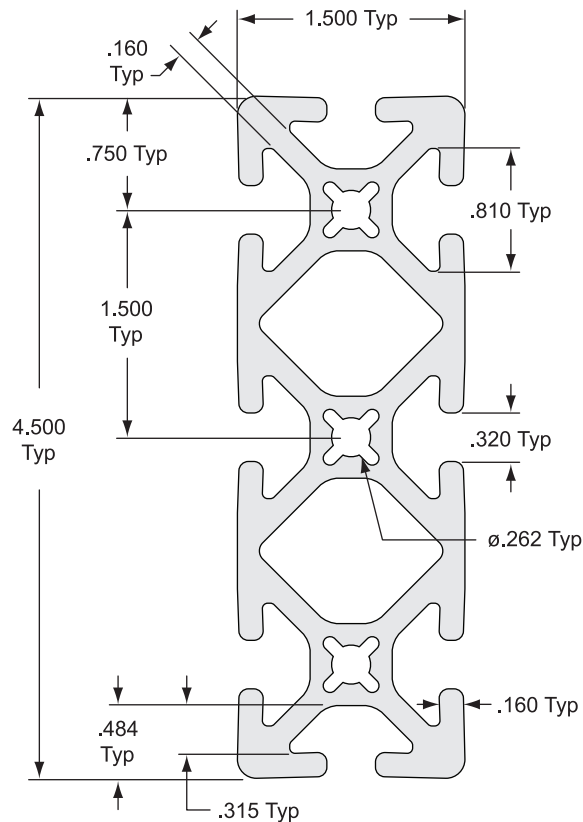
- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- Great for linear motion, machine frames, robotics and supports
- The cavities can be pressurized up to 150 psi; refer to pages 451-453
- 1545-S profile has a smooth surface
- Compatibility Code\*: 8-15

**VIBRATION\*\*  
PROOF™**

Part No.	<b>1545-S</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	3.4365 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1545-S-145</b> 242" - Part No. <b>1545-S-242</b>
Moment Of Inertia	IX=5.6675" <sup>4</sup> IY=.7282" <sup>4</sup>
Estimated Area	2.9523 Sq. In.

**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7021</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7026</b> (see page 564)



\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**1545 T-Slotted Profile - 15 Series**



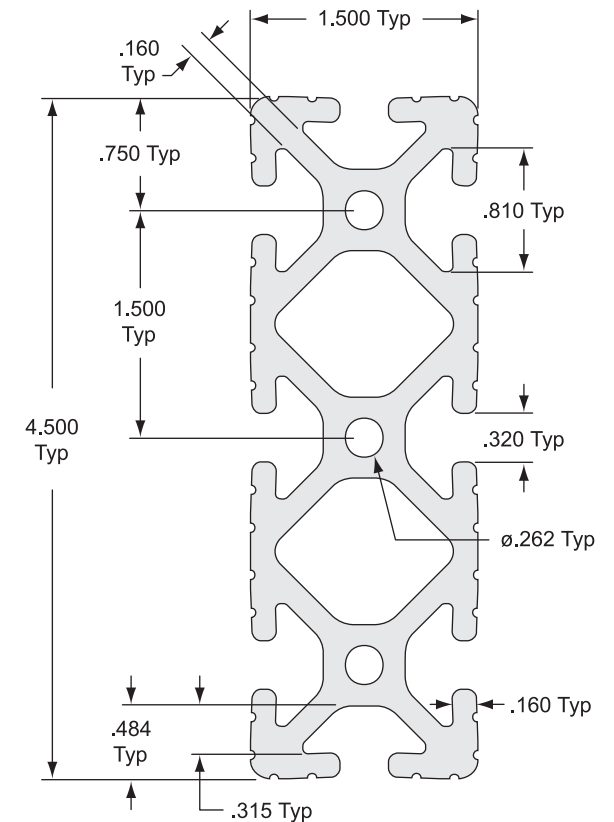
- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- Great for linear motion, machine frames, robotics and supports
- The cavities can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code\*: 8-15

**VIBRATION\*\*  
PROOF™**

Part No.	<b>1545</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	3.4975 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>1545-145</b> 242" - Part No. <b>1545-242</b>
Moment Of Inertia	IX=5.6929" <sup>4</sup> IY=.7097" <sup>4</sup>
Estimated Area	3.0047 Sq. In.

**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7021</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7026</b> (see page 564)



\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**3030-LS T-Slotted Profile - 15 Series**

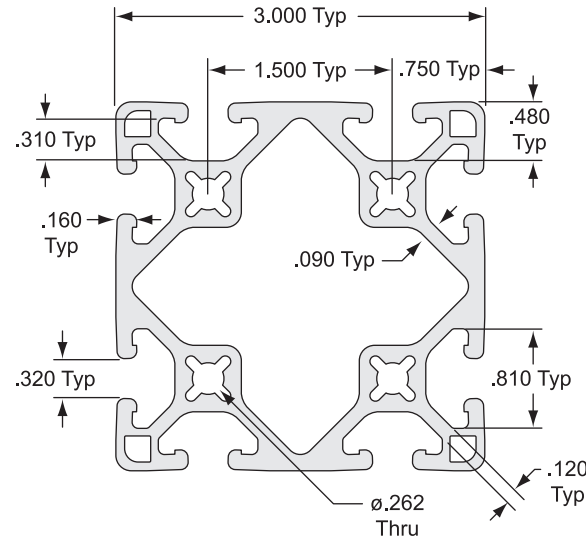


- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- The 3030-LS profile is ideal for applications where strength and open T-slots are required
- The smooth surface provides a clean look
- Compatibility Code\*: 8-15

**VIBRATION\*\*  
PROOF™**



Part No.	<b>3030-LS</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	3.2280 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>3030-LS-145</b> 242" - Part No. <b>3030-LS-242</b>
Moment Of Inertia	IX= 2.6861 <sup>in4</sup> IY= .26861 <sup>in4</sup>
Estimated Area	2.6910 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7030 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7055 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**3030-Lite T-Slotted Profile - 15 Series**

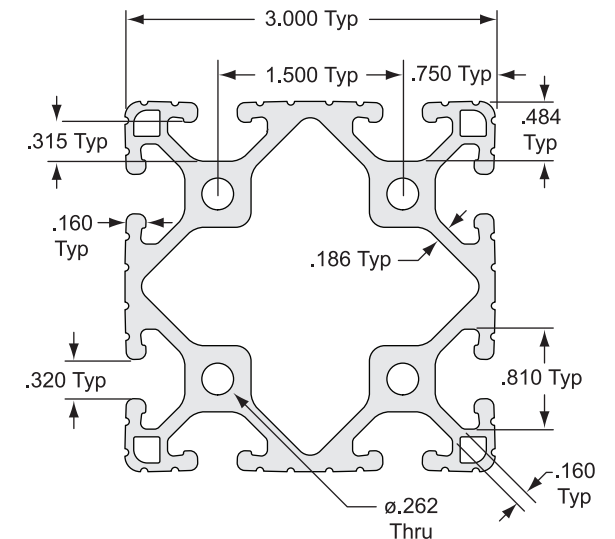


- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- The 3030-Lite profile is ideal for applications where strength and open T-slots are required
- Compatibility Code\*: 8-15

**VIBRATION\*\*  
PROOF™**



Part No.	<b>3030-Lite</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	3.2411 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>3030-Lite-145</b> 242" - Part No. <b>3030-Lite-242</b>
Moment Of Inertia	IX=2.6959 <sup>in4</sup> IY=2.6959 <sup>in4</sup>
Estimated Area	2.7844 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7030 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7055 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**3030-S T-Slotted Profile - 15 Series**

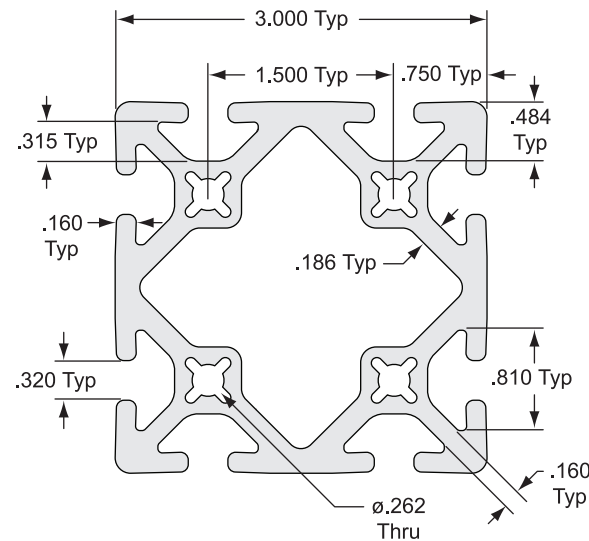


- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- The 3030-S profile is ideal for applications where strength and open T-slots are required
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- 3030-S profile has a smooth surface
- Compatibility Code\*: 8-15

**VIBRATION\*\*  
PROOF™**



Part No.	<b>3030-S</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	3.8291 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>3030-S-145</b> 242" - Part No. <b>3030-S-242</b>
Moment Of Inertia	IX=3.3496 <sup>in4</sup> IY=3.3496 <sup>in4</sup>
Estimated Area	3.2896 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7030 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7055 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**3030 T-Slotted Profile - 15 Series**

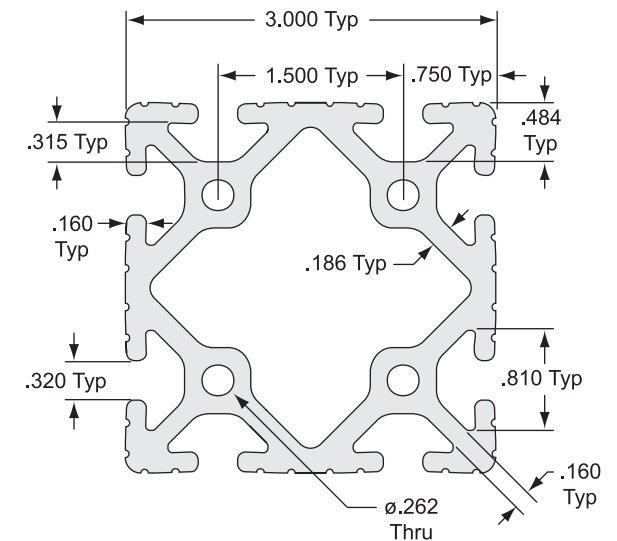


- Compatible with all 15 Series fasteners
- Eight open T-slots for mounting accessories
- The 3030 profile is ideal for applications where strength and open T-slots are required
- The center cavity can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code\*: 8-15

**VIBRATION\*\*  
PROOF™**



Part No.	<b>3030</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	4.0131 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>3030-145</b> 242" - Part No. <b>3030-242</b>
Moment Of Inertia	IX=3.4133 <sup>in4</sup> IY=3.4133 <sup>in4</sup>
Estimated Area	3.4477 Sq. In.



**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	7030 (see page 563)
.295" Access Hole	7050 (see page 565)
Anchor Counterbore	7040 (see page 567)
Tap Profile End	7055 (see page 564)

\* See Compatibility Code information on page 152.  
\*\* See 2° Drop-Lock information on page 150.

**80/20® Inc.**

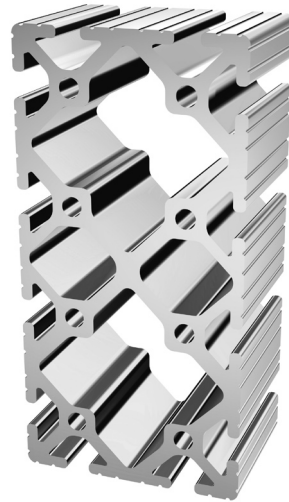
The Industrial Erector Set®

**THE STANDARD**

**3060 T-Slotted Profile - 15 Series**



- Compatible with all 15 Series fasteners
- 12 open T-slots for mounting accessories
- The 3060 profile is ideal for applications where strength and open T-slots are required
- The cavities can be pressurized up to 150 psi; refer to pages 451-453
- Compatibility Code\*: 8-15



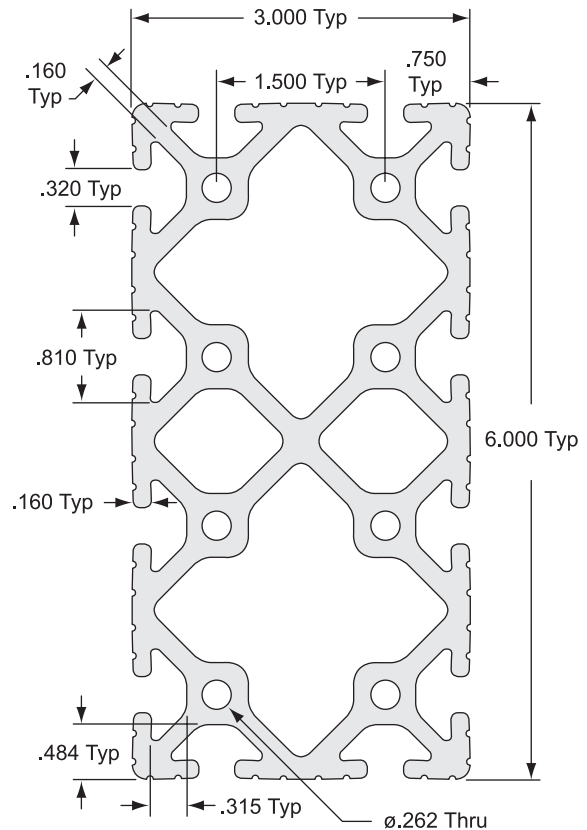
**VIBRATION  
PROOF™**

1

Part No.	<b>3060</b>
Material	6105-T5
Finish	Clear Anodized
Weight Per Foot	7.4801 Lbs.
Stock Length (+/- .125")	145" - Part No. <b>3060-145</b> 192" - Part No. <b>3060-192</b> 242" - Part No. <b>3060-242</b>
Moment Of Inertia	IX=22.0300" <sup>4</sup> IY=6.5164" <sup>4</sup>
Estimated Area	6.4262 Sq. In.

**Quick Machining Reference**

Machining Service	Service Number
Cut to Length	<b>7023</b> (see page 563)
.295" Access Hole	<b>7050</b> (see page 565)
Anchor Counterbore	<b>7040</b> (see page 567)
Tap Profile End	<b>7029</b> (see page 564)



\* See Compatibility Code information on page 152.

\*\* See 2° Drop-Lock information on page 150.