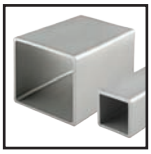
Pictorial Table Of Contents

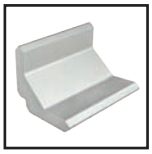
Flat Stock Profile

Page 829

Block Profile

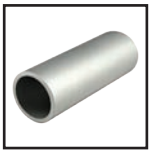
Page 831

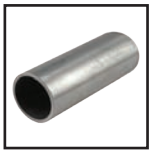
Square/Rectangular **Tube Profile**

Page 832

Inside Corner **Connector Profile**

Page 833

Stanchion Profile

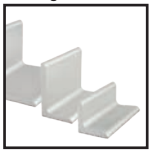
Page 834

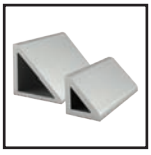
Aluminum **Tube Profile**

Page 835

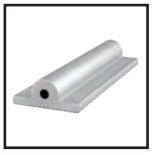
Steel Tube

Page 836

Steel Solid Round

Page 837

Angle Profile

Page 838

45 Degree **Gusset Profile**

Page 840

Deadbolt **Latch Profile**

Page 841

Standard **Nub Profile**

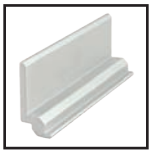
Page 842

Right Angle **Nub Profile**

Page 843

Hinge Profile

Page 844

Roll-in Panel Mount **Bracket Profile**

Page 845

Panel Mount **Block Profile**

Page 846

Clamp Block **Profile**

Page 847

Single Flange **Bearing Profile**

Page 848

Double Flange **Bearing Profile**

Page 849

Single Flange UniBearing™ **Profile**

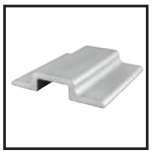
Page 850

Double Flange UniBearing™ **Profile**

Page 851

Single Retainer **Profile**

Page 852

Double Retainer **Profile**

Page 853

Storage Bin **Hanger Profile**

Page 854

Panel Stiffener **Profile**

Page 855

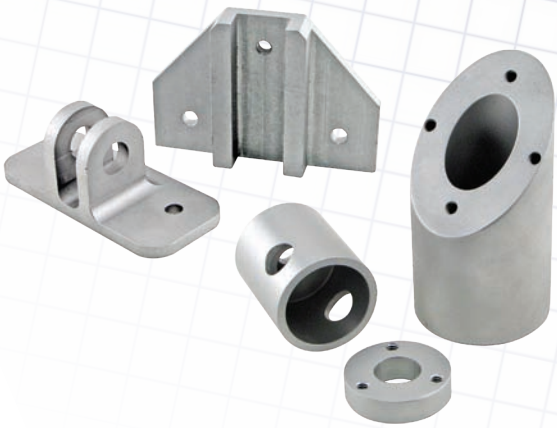
Tube Insert Profile

Page 856

Structural Shapes for Custom Solutions

Structural shapes are commonly used for custom projects; if there's a unique flat plate, manifold, bearing, or bracket you need, we have the material in stock to make it for you.

From solid aluminum plates, deadbolt latches, angle profiles, or panel mount blocks, this wide selection of in-house shapes provides a quick turn time for your design.



In-House Machining Capabilities

80/20 also provides an in-house Custom Machining service to modify any of our structural shapes to fit your requirements. This gives you access to a high-precision, large capacity machine shop to customize your parts quickly and accurately.

For More Info

Talk to a design technician today at 260-248-8030 to see how we can help create your custom part.

Selection of Finishes

All of the structural shapes are available with either a mill or anodize finish. We also offer black anodize to create an aesthetic look.

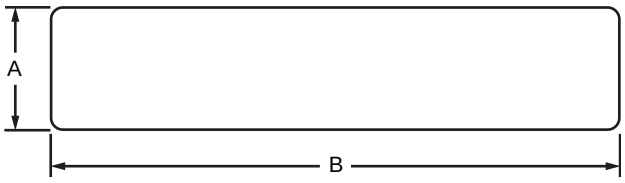
Mill Finish

Clear Anodize

Black Anodize

Part Description:

The flat stock profile can be cut to your desired length. It is perfect for unique custom parts such as flat plates, manifolds, and floor mounts. There are options available in a mill or anodize finish. See page 860 for the cut-to-length machining service.



Part No.										
Clear Anodize*	Natural Mill	Black Anodize*	Full Length	Series	Material	Alloy**	Process	A	B	Weight
8303	8304	8304-Black	145”	F	Aluminum	6105-T5	Extruded	.188”	.875”	.016 lb / in.
8317	8318	8318-Black	145”	F		6105-T5		.250”	.875”	.017 lb / in.
8307	8308	8308-Black	145”	F		6105-T5		.188”	1.000”	.018 lb / in.
8310	8311	8311-Black	145”	F		6105-T5		.250”	1.000”	.025 lb / in.
8315	8316	8316-Black	144”	F		6105-T5		.500”	1.000”	.049 lb / in.
8320	8321	8321-Black	145”	F		6105-T5		.250”	1.490”	.037 lb / in.
8322	8323	8323-Black	144”	F		6105-T5		.500”	1.500”	.073 lb / in.
8325	8326	8326-Black	145”	F		6105-T5		.750”	1.500”	.108 lb / in.
8330	8331	8331-Black	145”	F		6105-T5		.188”	2.000”	.037 lb / in.
8327	8328	8328-Black	144”	F		6105-T5		.500”	2.000”	.098 lb / in.
8337	8338	8338-Black	144”	F		6105-T5		.500”	2.500”	.122 lb / in.
8335	8336	8336-Black	145”	F		6105-T5		.188”	3.000”	.055 lb / in.
8340	8341	8341-Black	145”	F		6105-T5		.250”	3.000”	.074 lb / in.
8342	8343	8343-Black	145”	F		6061-T6		.500”	3.000”	.147 lb / in.
8345	8346	8346-Black	145”	F		6105-T5		.750”	3.000”	.221 lb / in.
8360	8361	8361-Black	145”	F		6105-T5		.188”	4.000”	.075 lb / in.
8365	8366	8366-Black	144”	F		6105-T5		.250”	4.000”	.095 lb / in.
8370	8371	8371-Black	145”	F		6105-T5		.750”	4.000”	.300 lb / in.
8375	8376	8376-Black	145”	F		6105-T5		.250”	4.500”	.114 lb / in.
8385	8386	8386-Black	145”	F		6105-T5		.250”	6.000”	.146 lb / in.
8390	8391	8391-Black	145”	F		6105-T5		.375”	6.000”	.221 lb / in.

* Longer lead times apply

** Or comparable

CONTINUE

Flat Stock Profile (Continued)

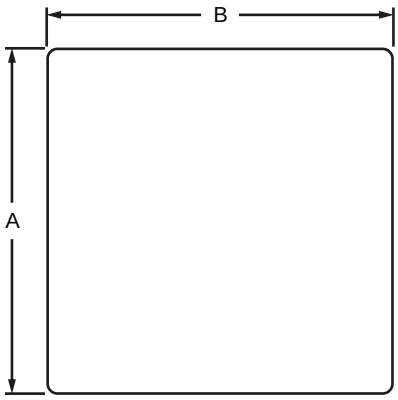
Part No.										
Clear Anodize*	Natural Mill	Black Anodize*	Full Length	Series	Material	Alloy**	Process	A	B	Weight
25-8307	25-8308	25-8308-Black	4M	M	Aluminum	6105-T5	Extruded	4.00mm	25.00mm	.0003 kg / mm
25-8310	25-8311	25-8311-Black	4M	M				6.00mm	25.00mm	.0004 kg / mm
25-8330	25-8331	25-8331-Black	4M	M				4.00mm	50.00mm	.0005 kg / mm
25-8327	25-8328	25-8328-Black	4M	M				12.00mm	50.00mm	.0016 kg / mm
25-8337	25-8338	25-8338-Black	4M	M				12.00mm	62.50mm	.0020 kg / mm
25-8335	25-8336	25-8336-Black	4M	M				4.00mm	75.00mm	.0013 kg / mm
25-8360	25-8361	25-8361-Black	4M	M				4.00mm	100.00mm	.0011 kg / mm
25-8370	25-8371	25-8371-Black	4M	M				19.00mm	100.00mm	.0051 kg / mm
40-8320	40-8321	40-8321-Black	4M	M				6.00mm	39.80mm	.0006 kg / mm
40-8322	40-8323	40-8323-Black	4M	M				12.00mm	40.00mm	.0013 kg / mm
40-8325	40-8326	40-8326-Black	4M	M				19.00mm	40.00mm	.0020 kg / mm
40-8340	40-8341	40-8341-Black	4M	M				6.00mm	80.00mm	.0013 kg / mm
40-8345	40-8346	40-8346-Black	4M	M				19.00mm	80.00mm	.0040 kg / mm
40-8375	40-8376	40-8376-Black	4M	M				6.00mm	120.00mm	.0019 kg / mm
40-8385	40-8386	40-8386-Black	4M	M				6.00mm	160.00mm	.0026 kg / mm
40-8390	40-8391	40-8391-Black	4M	M				9.00mm	160.00mm	.0025 kg / mm
45-8320	45-8321	45-8321-Black	4M	M				6.00mm	44.50mm	.0015 kg / mm
45-8340	45-8341	45-8341-Black	4M	M				6.00mm	90.00mm	.0032 kg / mm

* Longer lead times apply

** Or comparable

Part Description:

The block profile can be cut to your desired length. It is perfect for custom base plates and mounting blocks. There are options available in a mill or anodize finish. See page 860 for the cut-to-length machining service.



Part No.										
Clear Anodize*	Natural Mill	Black Anodize*	Full Length	Series	Material	Alloy**	Process	A	B	Weight
8313	8314	8314-Black	145”	F	Aluminum	6105-T5	Extruded	1.125”	1.125”	.124 lb / in.
8305	8306	8306-Black	145”	F		6105-T5		1.625	1.625	.259 lb / in.
8419	8319	8319-Black	144”	F		6061-T6		1.750”	1.750”	.259 lb / in.
8703	8704	8704-Black	72”	F		6105-T5		2.060”	2.060”	.424 lb / in.
8394	8395	8395-Black	144”	F		6061-T6		2.250”	2.250”	.496 lb / in.
8400	8401	8401-Black	72”	F		6105-T5		2.560”	2.560”	.651 lb / in.
8720	8721	8721-Black	72”	F		6105-T5		2.750”	2.750”	.741 lb / in.
8725	8724	8724-Black	72”	F		6061-T6		3.250”	3.250”	1.200 lb / in.
8722	8723	8723-Black	72”	F		6061-T6		3.500”	3.500”	1.200 lb / in.
8710	8711	8711-Black	145”	F		6105-T5		1.260”	2.060”	.259 lb / in.
8713	8714	8714-Black	145”	F		6105-T5		1.510”	3.060”	.462 lb / in.
8420	8392	8392-Black	72”	F		6061-T6		2.500”	3.000”	.735 lb / in.
8408	8407	8407-Black	144”	F		6061-T6		1.500”	3.500”	.784 lb / in.
8405	8406	8406-Black	72”	F		6061-T6		2.000”	4.000”	.784 lb / in.
8422	8397	8397-Black	144”	F		6061-T6		1.250”	4.500”	.551 lb / in.
8424	8399	8399-Black	72”	F		6061-T6		1.500”	6.000”	.882 lb / in.
8403	8402	8402-Black	72”	F		6061-T6		2.000”	7.000”	1.370 lb / in.

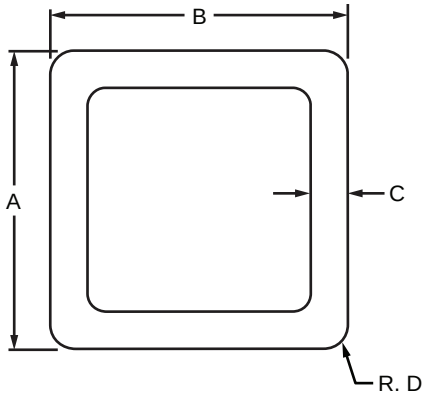
* Longer lead times apply

** Or comparable

Square/Rectangular Tube Profile

Part Description:

The square and rectangular tube profiles can be cut to your desired length. It is perfect for medium-duty projects that need an open center cavity or that don't require a T-slot channel. There are options available in a mill or anodize finish. See page 860 for the cut-to-length machining service.



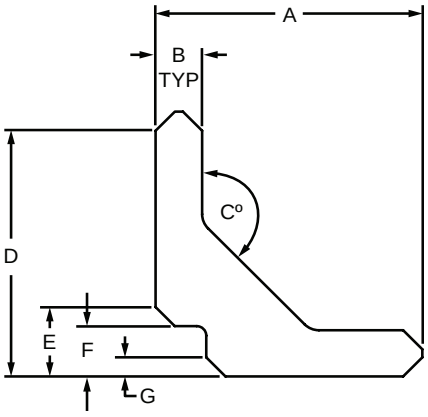
Part No.												
Clear Anodize*	Natural Mill	Black Anodize*	Full Length	Series	Material	Alloy**	Process	A	B	C	D	Weight
8110	8111	8111-Black	145"	F	Aluminum	6105-T5	Extruded	1.000"	1.000"	.125"	.083"	.043 lb / in.
8115	8116	8116-Black	145"	F				1.500"	1.500"	.125"	.125"	.066 lb / in.
8120	8121	8121-Black	145"	F				1.500"	3.000"	.125"	.125"	.099 lb / in.
8125	8126	8126-Black	145"	F				3.000"	3.000"	.125"	.125"	.136 lb / in.

* Longer lead times apply

** Or comparable

Part Description:

The inside corner connector profile can be cut to your desired length. There are options available in a mill or anodize finish. It is typically used to create an inside corner connector which is a strong method for forming a 90 degree connection between profiles. See page 860 for the cut-to-length machining service.



Part No.												
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	G	Weight
8413	8414	8414-Black	145"	F	2.500"	.436"	135°	2.320"	.655"	.475"	.180"	.212 lb / in.

* Longer lead times apply

Material Specifications

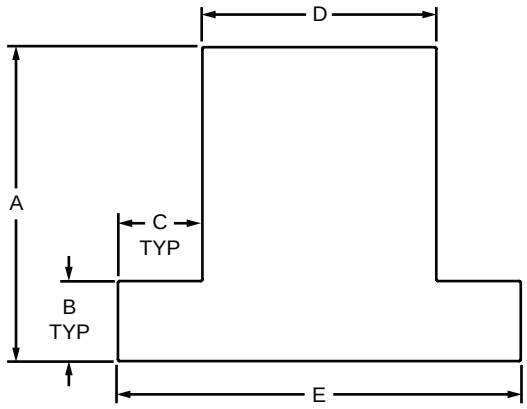
Part No.	Material	Alloy*	Finish	Process
8413	Aluminum	6105-T5	Anodize	Extruded
8414			Mill	
8414-Black			Anodize	

* Or comparable

Stanchion Profile

Part Description:

The stanchion profile can be cut to your desired length. It is commonly used to create customized stanchions which provide multi-access positioning. There are options available in a mill or anodize finish. See page 860 for the cut-to-length machining service.



Part No.										
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	Weight
8600	8601	8601-Black	72”	F	2.520”	.520”	.750”	1.500”	3.000”	.456 lb / in.
8605	8606	8606-Black	72”	F	3.020”	.770”	.812”	2.250”	3.874”	.804 lb / in.

* Longer lead times apply

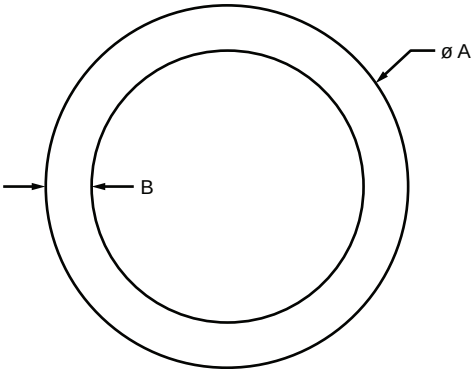
Material Specifications

Part No.	Material	Alloy*	Finish	Process
8600	Aluminum	6105-T5	Anodize	Extruded
8601			Mill	
8601-Black			Anodize	
8605			Anodize	
8606			Mill	
8606-Black			Anodize	

* Or comparable

Part Description:

The aluminum tube profile can be cut to your desired length. It is made of 6061-T6 aluminum which provides a high strength-to-weight ratio and is commonly used with stanchions to create custom axes. It can be used for projects that need an open center cavity or that don't require a T-slot channel. There are options available in a mill or anodize finish. See page 860 for the cut-to-length machining service.



Part No.									
Clear Anodize	Natural Mill	Black Anodize*	Full Length	Series	Material	Alloy**	A	B	Weight
5035	5036	5036-Black	144"	F	Aluminum	6061-T6	1.000"	.125"	.034 lb / in.
5040	5041	5041-Black	144"	F			1.500"	.125"	.069 lb / in.
5045	5046	5046-Black	144"	F			2.000"	.125"	.100 lb / in.

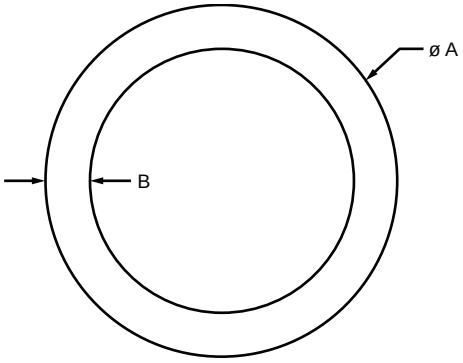
* Longer lead times apply

** Or comparable

Steel Tube

Part Description:

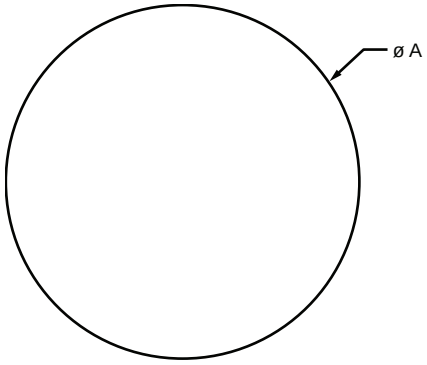
The steel tube can be cut to your desired length. It is ground, polished, and unfinished, meaning it does not have any plating or oxide. Steel tube is commonly used with stanchions to create custom axes. See page 860 for the cut-to-length machining service.



Part No.	Full Length	Series	Material	Grade	Finish	Process	Color	A	B	Weight
5005	145”	F	Carbon Steel	1020	Non-Plated	Drawn, Ground, and Polished	Unfinished	1.000”	.125”	.102 lb / in.
5015	145”	F						1.500”	.125”	.131 lb / in.
5025	145”	F						2.000”	.125”	.273 lb / in.

Part Description:

The steel solid round can be cut to your desired length. It is ground, polished, and unfinished, meaning it does not have any plating or oxide. See page 860 for the cut-to-length machining service.

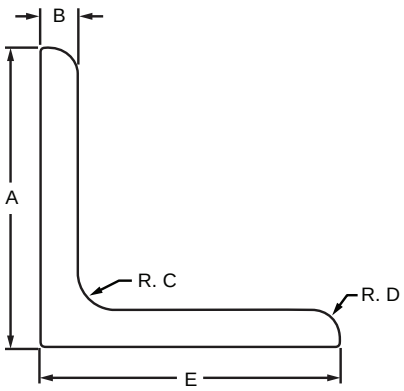


Part No.	Full Length	Series	Material	Grade	Finish	Process	Color	A	Weight
5010	145”	F	Carbon Steel	1045	Non-Plated	Drawn, Ground, and Polished	Unfinished	1.000”	.230 lb / in.
5020	145”	F						1.500”	.500 lb / in.
5030	145”	F						2.000”	.890 lb / in.

Angle Profile

Part Description:

The angle profile can be cut to your desired length. There are options available in a mill or anodize finish. The angle profile is commonly used for custom corner brackets, part bin supports, and tool hangers. See page 860 for the cut-to-length machining service.

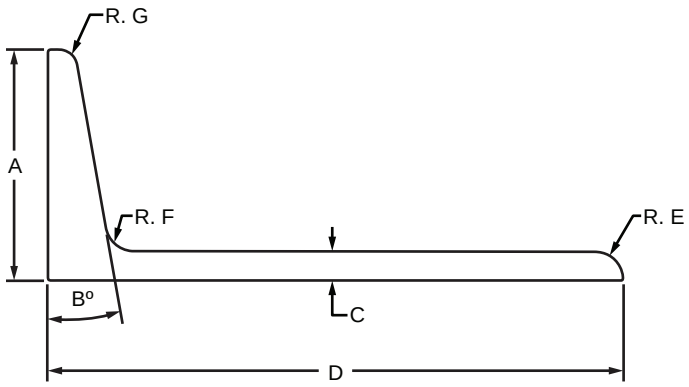


Part No.													
Clear Anodize*	Natural Mill	Black Anodize*	Full Length	Series	Material	Alloy**	Process	A	B	C	D	E	Weight
8210	8211	8211-Black	144”	F				1.000”	.125”	.125”	.093”	1.000”	.023 lb / in.
8217	8218	8218-Black	145”	F				1.000”	.188”	.125”	.188”	1.000”	.033 lb / in.
8212	8213	8213-Black	145”	F				2.000”	.188”	.125”	.188”	1.000”	.053 lb / in.
8215	8216	8216-Black	144”	F				1.500”	.188”	.125”	.188”	1.500”	.052 lb / in.
8220	8221	8221-Black	145”	F				1.500”	.250”	.312”	.250”	1.500”	.067 lb / in.
8230	8231	8231-Black	145”	F				3.000”	.250”	.312”	.250”	1.500”	.114 lb / in.
8222	8223	8223-Black	145”	F				2.000”	.188”	.125”	.188”	2.000”	.070 lb / in.
8225	8226	8226-Black	144”	F				2.500”	.188”	.125”	.188”	2.500”	.090 lb / in.
8232	8233	8233-Black	145”	F				3.000”	.188”	.125”	.188”	3.000”	.106 lb / in.
8235	8236	8236-Black	145”	F				3.000”	.250”	.312”	.250”	3.000”	.140 lb / in.
8240	8241	8241-Black	145”	F				4.500”	.250”	.312”	.250”	4.500”	.218 lb / in.
20-8210	20-8211	20-8211-Black	4M	M				20.00mm	3.00mm	2.00mm	2.00mm	20.00mm	.0007 kg / mm
20-8212	20-8213	20-8213-Black	4M	M	Aluminum	6105-T5	Extruded	40.00mm	3.00mm	2.00mm	2.00mm	20.00mm	.0013 kg / mm
25-8210	25-8211	25-8211-Black	4M	M				25.00mm	3.00mm	3.00mm	3.00mm	25.00mm	.0004 kg / mm
25-8217	25-8218	25-8218-Black	4M	M				25.00mm	4.00mm	3.00mm	4.00mm	25.00mm	.0005 kg / mm
25-8212	25-8213	25-8213-Black	4M	M				50.00mm	4.00mm	3.00mm	4.00mm	25.00mm	.0007 kg / mm
25-8222	25-8223	25-8223-Black	4M	M				50.00mm	4.00mm	3.00mm	4.00mm	50.00mm	.0010 kg / mm
30-8220	30-8221	30-8221-Black	4M	M				30.00mm	4.00mm	3.50mm	3.50mm	30.00mm	.0013 kg / mm
30-8230	30-8231	30-8231-Black	4M	M				60.00mm	4.00mm	3.50mm	3.50mm	30.00mm	.0020 kg / mm
40-8220	40-8221	40-8221-Black	4M	M				40.00mm	6.00mm	8.00mm	6.00mm	40.00mm	.0012 kg / mm
40-8230	40-8231	40-8231-Black	4M	M				80.00mm	6.00mm	8.00mm	6.00mm	40.00mm	.0018 kg / mm
40-8235	40-8236	40-8236-Black	4M	M				80.00mm	6.00mm	8.00mm	6.00mm	80.00mm	.0025 kg / mm
45-8220	45-8221	45-8221-Black	4M	M				45.00mm	6.00mm	6.00mm	6.00mm	45.00mm	.0030 kg / mm
45-8230	45-8231	45-8231-Black	4M	M				90.00mm	6.00mm	6.00mm	6.00mm	45.00mm	.0047 kg / mm
45-8235	45-8236	45-8236-Black	4M	M				90.00mm	6.00mm	6.00mm	6.00mm	90.00mm	.0063 kg / mm

* Longer lead times apply

** Or comparable

CONTINUE



Part No.												
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	G	Weight
8415	8416	8416-Black	145"	F	2.000"	10º	.250"	5.000"	.250"	.250"	.156"	.0083 lb / in.
65-8415	65-8416	65-8416-Black	4M	M	56.00mm	10º	6.00mm	140.00mm	6.00mm	6.00mm	4.00mm	.0038 kg / mm

* Longer lead times apply

Material Specifications

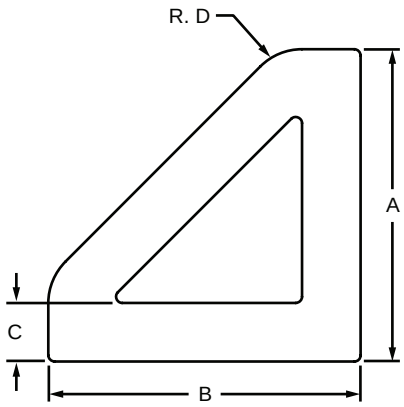
Part No.	Material	Alloy*	Finish	Process
8415	Aluminum	6105-T5	Anodize	Extruded
8416			Mill	
8416-Black			Anodize	
65-8415			Anodize	
65-8416			Mill	
65-8416-Black			Anodize	

* Or comparable

45 Degree Gusset Profile

Part Description:

The 45 degree gusset profile can be cut to your desired length. There are options available in a mill or anodize finish. It is commonly used for custom 90 degree connections as well as floor mounts and supports. See page 860 for the cut-to-length machining service.



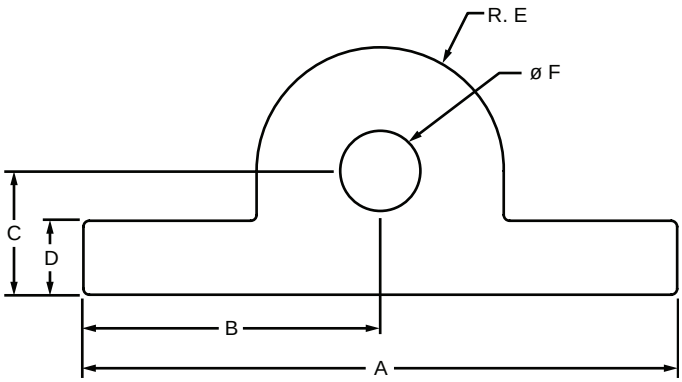
Part No.												
Clear Anodize*	Natural Mill	Black Anodize*	Full Length	Series	Material	Alloy**	Process	A	B	C	D	Weight
8620	8621	8621-Black	145”	F	Aluminum	6105-T5	Extruded	1.000”	1.000”	.188”	.188”	.052 lb / in.
8630	8631	8631-Black	145”	F				1.500”	1.500”	.250”	.250”	.106 lb / in.
8625	8626	8626-Black	145”	F				2.000”	2.000”	.188”	.188”	.116 lb / in.
8635	8636	8636-Black	145”	F				3.000”	3.000”	.250”	.250”	.234 lb / in.
25-8620	25-8621	25-8621-Black	4M	M				25.00mm	25.00mm	4.00mm	4.00mm	.0008 kg / mm
25-8625	25-8626	25-8626-Black	4M	M				50.00mm	50.00mm	4.00mm	4.00mm	.0017 kg / mm
30-8630	30-8631	30-8631-Black	4M	M				30.00mm	30.00mm	4.00mm	4.00mm	.0021 kg / mm
30-8635	30-8636	30-8636-Black	4M	M				60.00mm	60.00mm	4.00mm	4.00mm	.0046 kg / mm
40-8630	40-8631	40-8631-Black	4M	M				40.00mm	40.00mm	6.00mm	6.00mm	.0019 kg / mm
40-8635	40-8636	40-8636-Black	4M	M				80.00mm	80.00mm	6.00mm	6.00mm	.0040 kg / mm
45-8630	45-8631	45-8631-Black	4M	M				45.00mm	45.00mm	6.00mm	6.00mm	.0047 kg / mm
45-8635	45-8636	45-8636-Black	4M	M				90.00mm	90.00mm	6.00mm	6.00mm	.0102 kg / mm

* Longer lead times apply

** Or comparable

Part Description:

The deadbolt latch profile can be cut to your desired length. It is strong and corrosion-resistant, ideal for a deadbolt latch in guarding and enclosure applications. There are options available in a mill or anodize finish. See page 860 for the cut-to-length machining service.



Part No.											
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	Weight
8560	8561	8561-Black	145”	F	1.500”	.750”	.313”	.187”	.312”	.201”	.048 lb / in.

* Longer lead times apply

Material Specifications

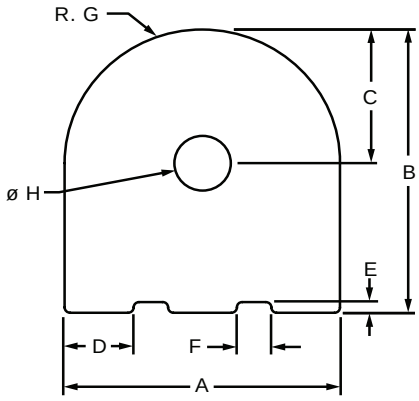
Part No.	Material	Alloy*	Finish	Process
8560	Aluminum	6105-T5	Anodize	Extruded
8561			Mill	
8561-Black			Anodize	

* Or comparable

Standard Nub Profile

Part Description:

The standard nub profile can be cut to your desired length. There are options available in a mill or anodize finish. It is commonly used for custom pivot nubs and assemblies. See page 860 for the cut-to-length machining service.



Part No.													
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	G	H	Weight
8547	8548	8548-Black	145”	F	1.000”	1.060”	.500”	.250”	.040”	.125”	.500”	.205”	.091 lb / in.
8545	8546	8546-Black	145”	F	1.500”	1.600”	.750”	.314”	.080”	.279”	.750”	.265”	.205 lb / in.
25-8547	25-8548	25-8548-Black	4M	M	25.00mm	27.00mm	12.50mm	6.40mm	2.00mm	2.90mm	12.50mm	5.00mm	.0016 kg / mm
40-8545	40-8546	40-8546-Black	4M	M	40.00mm	42.50mm	20.00mm	8.00mm	2.13mm	8.00mm	20.00mm	6.60mm	.0039 kg / mm

* Longer lead times apply

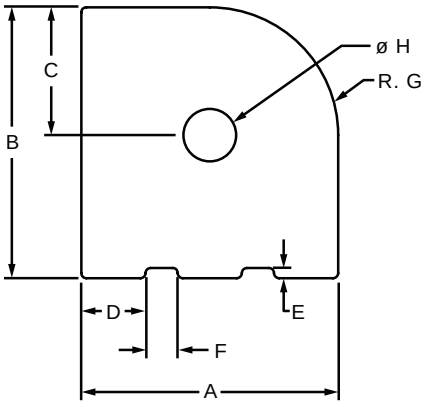
Material Specifications

Part No.	Material	Alloy*	Finish	Process
8547	Aluminum	6105-T5	Anodize	Extruded
8548			Mill	
8548-Black			Anodize	
8545			Anodize	
8546			Mill	
8546-Black			Anodize	
25-8547			Anodize	
25-8548			Mill	
25-8548-Black			Anodize	
40-8545			Anodize	
40-8546			Mill	
40-8546-Black			Anodize	

* Or comparable

Part Description:

The right angle nub profile can be cut to your desired length. There are options available in a mill or anodize finish. It is commonly used for custom pivot nubs and assemblies. See page 860 for the cut-to-length machining service.



Part No.													
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	G	H	Weight
8445	8446	8446-Black	145”	F	1.000”	1.060”	.500”	.250”	.040”	.125”	.500”	.205”	.096 lb / in.
8448	8449	8449-Black	145”	F	1.500”	1.600”	.750”	.314”	.080”	.279”	.750”	.265”	.218 lb / in.
25-8445	25-8446	25-8446-Black	4M	M	25.00mm	27.00mm	12.50mm	6.40mm	1.10mm	2.90mm	12.50mm	5.00mm	.0017 kg / mm
40-8448	40-8449	40-8449-Black	4M	M	40.00mm	42.50mm	20.00mm	8.00mm	2.13mm	8.00mm	20.00mm	6.80mm	.0041 kg / mm

* Longer lead times apply

Material Specifications

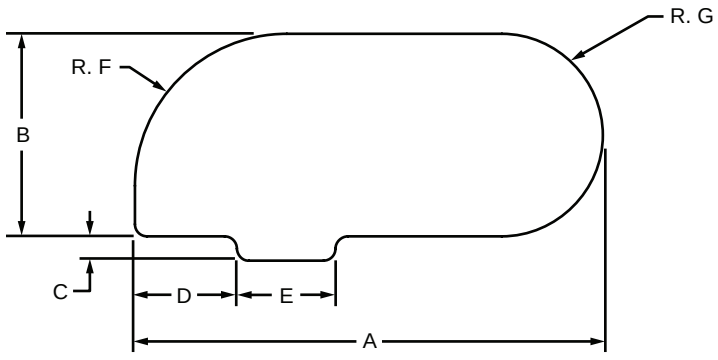
Part No.	Material	Alloy*	Finish	Process
8445	Aluminum	6105-T5	Anodize	Extruded
8446			Mill	
8446-Black			Anodize	
8448			Anodize	
8449			Mill	
8449-Black			Anodize	
25-8445			Anodize	
25-8446			Mill	
25-8446-Black			Anodize	
40-8448			Anodize	
40-8449			Mill	
40-8449-Black			Anodize	

* Or comparable

Hinge Profile

Part Description:

The hinge profile can be cut to your desired length. There are options available in a mill or anodize finish. It is commonly used to create custom hinge mounts for heavier-duty applications. It is also corrosion-resistant, making it useful for outdoor applications. See page 860 for the cut-to-length machining service.



Part No.												
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	G	Weight
8550	8551	8551-Black	145"	F	1.156"	.500"	.060"	.252"	.244"	.375"	.250"	.048 lb / in.
8555	8556	8556-Black	145"	F	1.655"	.500"	.100"	.469"	.309"	.375"	.250"	.075 lb / in.
25-8550	25-8551	25-8551-Black	4M	M	29.00mm	13.00mm	1.50mm	6.35mm	6.20mm	9.35mm	6.50mm	.0009 kg / mm
40-8555	40-8556	40-8556-Black	4M	M	43.94mm	13.00mm	2.60mm	12.90mm	7.85mm	9.50mm	6.50mm	.0014 kg / mm

* Longer lead times apply

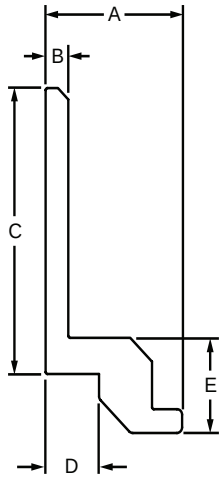
Material Specifications

Part No.	Material	Alloy*	Finish	Process
8550	Aluminum	6105-T5	Anodize	Extruded
8551			Mill	
8551-Black			Anodize	
8555			Anodize	
8556			Mill	
8556-Black			Anodize	
25-8550			Anodize	
25-8551			Mill	
25-8551-Black			Anodize	
40-8555			Anodize	
40-8556			Mill	
40-8556-Black			Anodize	

* Or comparable

Part Description:

The roll-in panel mount bracket profile can be cut to your desired length. There are options available in a mill or anodize finish. It is commonly used to create custom panel mounts and is designed to be used even when profiles are captivated. See page 860 for the cut-to-length machining service.



Part No.										
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	Weight
8592	8591	8591-Black	145”	F M	.573”	.130”	1.000”	.217”	.335”	.022 lb / in.
8594	8593	8593-Black	145”	F M	.782”	.130”	1.500”	.306”	.500”	.050 lb / in.

* Longer lead times apply

Material Specifications

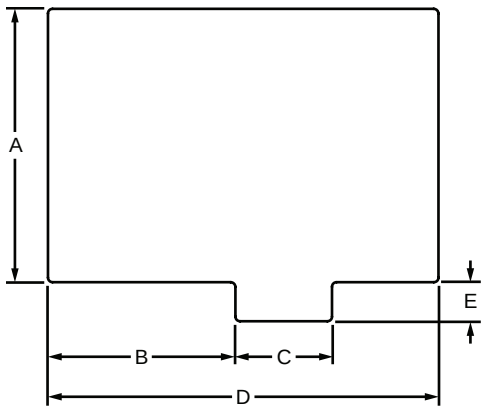
Part No.	Material	Alloy*	Finish	Process
8592	Aluminum	6105-T5	Anodize	Extruded
8591			Mill	
8591-Black			Anodize	
8594			Anodize	
8593			Mill	
8593-Black			Anodize	

* Or comparable

Panel Mount Block Profile

Part Description:

The panel mount block profile can be cut to your desired length. There are options available in a mill or anodize finish. It is commonly used to mount a panel flush with a profile edge or on the profile surface. There is a slot tab on the block that acts to align the mount in the T-slot. When used in this capacity, the panel mount block increases stability of the mounted panel while also reducing vibration. See page 860 for the cut-to-length machining service.



Part No.										
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	Weight
8567	8568	8568-Black	145”	F	.700”	.370”	.250”	.812”	.050”	.058 lb / in.
8565	8566	8566-Black	145”	F	.875”	.600”	.309”	1.250”	.125”	.113 lb / in.
25-8567	25-8568	25-8568-Black	4M	M	19.00mm	9.30mm	6.30mm	20.32mm	1.30mm	.0011 kg / mm
40-8565	40-8566	40-8566-Black	4M	M	23.20mm	16.21mm	7.87mm	34.28mm	3.30mm	.0022 kg / mm

* Longer lead times apply

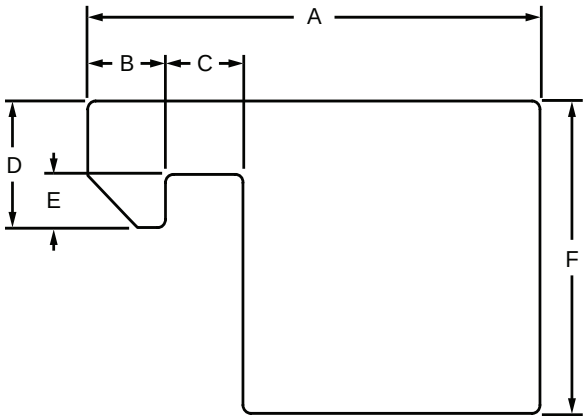
Material Specifications

Part No.	Material	Alloy*	Finish	Process
8567	Aluminum	6105-T5	Anodize	Extruded
8568			Mill	
8568-Black			Anodize	
8565			Anodize	
8566			Mill	
8566-Black			Anodize	
25-8567			Anodize	
25-8568			Mill	
25-8568-Black			Anodize	
40-8565			Anodize	
40-8566			Mill	
40-8566-Black			Anodize	

* Or comparable

Part Description:

The clamp block profile can be cut to your desired length. It is strong yet lightweight, and is commonly used to create custom fasteners for connecting profiles at various angles. When used in this capacity it is a repositionable and reusable fastening option. See page 860 for the cut-to-length machining service.



Part No.											
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	Weight
8418	8417	8417-Black	145”	10	.710”	.100”	.110”	.215”	.075”	.500”	.017 lb / in.
8426	8427	8427-Black	145”	15	1.142”	.196”	.196”	.304”	.128”	.750”	.029 lb / in.

* Longer lead times apply

Material Specifications

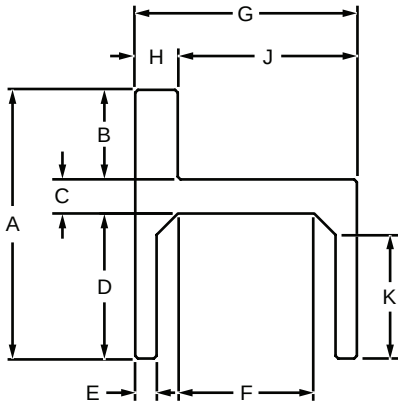
Part No.	Material	Alloy*	Finish	Process
8418	Aluminum	6105-T5	Anodize	Extruded
8417			Mill	
8417-Black			Anodize	
8426			Anodize	
8427			Mill	
8427-Black			Anodize	

* Or comparable

Single Flange Bearing Profile

Part Description:

The single flange bearing profile can be cut to your desired length. There are options available in a mill or anodize finish. It is commonly used in custom linear motion applications. See page 860 for the cut-to-length machining service.



Part No.															
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	G	H	J	K	Weight
8520	8521	8521-Black	145"	10	1.968"	.656"	.250"	1.062"	.156"	1.000"	1.624"	.311"	1.313"	.906"	.093 lb / in.
8530	8531	8531-Black	145"	15	2.750"	.750"	.375"	1.625"	.250"	1.379"	2.505"	.500"	2.005"	1.312"	.222 lb / in.
25-8520	25-8521	25-8521-Black	4M	25	49.73mm	16.48mm	5.99mm	27.25mm	3.99mm	25.22mm	41.12mm	7.98mm	33.14mm	23.29mm	.0016 kg / mm
40-8530	40-8531	40-8531-Black	4M	40	71.83mm	19.00mm	8.99mm	43.84mm	6.15mm	36.98mm	65.13mm	11.99mm	53.14mm	35.92mm	.0038 kg / mm

* Longer lead times apply

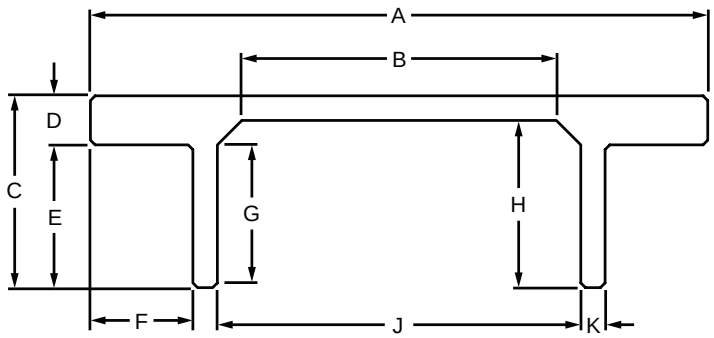
Material Specifications

Part No.	Material	Alloy*	Finish	Process
8520	Aluminum	6105-T5	Anodize	Extruded
8521			Mill	
8521-Black			Anodize	
8530			Anodize	
8531			Mill	
8531-Black			Anodize	
25-8520			Anodize	
25-8521			Mill	
25-8521-Black			Anodize	
40-8530			Anodize	
40-8531			Mill	
40-8531-Black			Anodize	

* Or comparable

Part Description:

The double flange bearing profile can be cut to your desired length. There are options available in a mill or anodize finish. It is commonly used in custom linear motion applications. See page 860 for the cut-to-length machining service.



Part No.															
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	G	H	J	K	Weight
8525	8526	8526-Black	145"	10	2.936"	1.000"	1.218"	.312"	.906"	.656"	.886"	1.062"	1.312"	.156"	.098 lb / in.
8527	8528	8528-Black	145"	10	3.938"	2.006"	1.218"	.312"	.906"	.654"	.876"	1.062"	2.318"	.156"	.117 lb / in.
8535	8536	8536-Black	145"	15	4.001"	1.379"	1.875"	.375"	1.500"	.748"	1.282"	1.625"	2.005"	.250"	.209 lb / in.
8540	8541	8541-Black	145"	15	5.501"	2.878"	1.875"	.375"	1.500"	.748"	1.282"	1.625"	3.504"	.250"	.247 lb / in.
25-8525	25-8526	25-8526-Black	4M	25	74.09mm	25.15mm	31.20mm	8.00mm	23.20mm	16.47mm	22.44mm	27.20mm	33.15mm	4.00mm	.0018 kg / mm
25-8527	25-8528	25-8528-Black	4M	25	99.26mm	50.34mm	31.20mm	8.00mm	23.20mm	16.47mm	22.44mm	27.20mm	58.32mm	4.00mm	.0020 kg / mm
40-8535	40-8536	40-8536-Black	4M	40	103.12mm	36.82mm	50.00mm	9.00mm	41.00mm	19.00mm	35.08mm	43.84mm	52.82mm	6.15mm	.0036 kg / mm
40-8540	40-8541	40-8541-Black	4M	40	143.31mm	77.01mm	50.00mm	9.00mm	41.00mm	19.00mm	35.08mm	43.84mm	93.01mm	6.15mm	.0042 kg / mm
45-8536	45-8537	45-8537-Black	4M	45	120.00mm	40.00mm	56.40mm	9.50mm	46.90mm	24.78mm	40.48mm	49.30mm	57.64mm	6.40mm	.0046 kg / mm

* Longer lead times apply

Material Specifications

Part No.	Material	Alloy*	Finish	Process
8525	Aluminum	6005A-T61	Anodize	Extruded
8526			Mill	
8526-Black			Anodize	
8527			Anodize	
8528			Mill	
8528-Black			Anodize	
8535			Anodize	
8536			Mill	
8536-Black			Anodize	
8540			Anodize	
8541			Mill	
8541-Black			Anodize	
25-8525			Anodize	
25-8526			Mill	

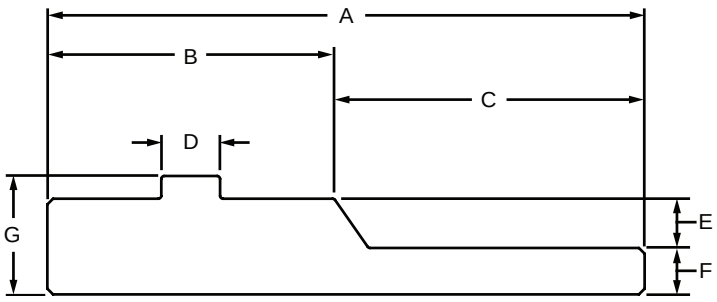
Part No.	Material	Alloy*	Finish	Process
25-8526-Black	Aluminum	6005A-T61	Anodize	Extruded
25-8527			Anodize	
25-8526			Mill	
25-8528-Black			Anodize	
40-8535			Anodize	
40-8536			Mill	
40-8536-Black			Anodize	
40-8540			Anodize	
40-8541			Mill	
40-8541-Black			Anodize	
45-8536			Anodize	
45-8537			Mill	
45-8537-Black			Anodize	

* Or comparable

Single Flange UniBearing™ Profile

Part Description:

The single flange UniBearing™ profile can be cut to your desired length. There are options available in a mill or anodize finish. It is commonly used in custom linear bearing applications when there is one guiderail. See page 860 for the cut-to-length machining service.



Part No.												
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	G	Weight
8580	8581	8581-Black	145"	F	2.063"	1.000"	1.063"	.244"	.156"	.156"	.372"	.050 lb / in.
8582	8583	8583-Black	145"	F	3.125"	1.500"	1.625"	.308"	.260"	.245"	.625"	.122 lb / in.
25-8580	25-8581	25-8581-Black	3.683M	M	52.40mm	25.40mm	27.00mm	6.20mm	3.96mm	3.96mm	9.45mm	.0009 kg / mm
40-8582	40-8583	40-8583-Black	4M	M	82.45mm	38.10mm	41.28mm	7.82mm	6.60mm	6.22mm	15.88mm	.0021 kg / mm

* Longer lead times apply

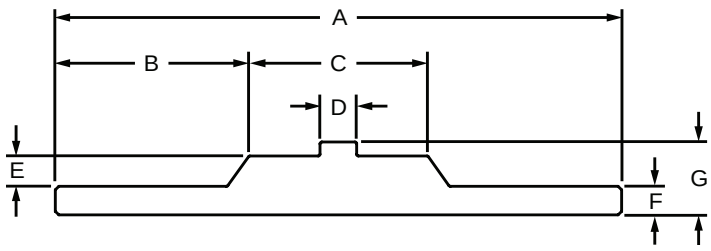
Material Specifications

Part No.	Material	Alloy*	Finish	Process
8580	Aluminum	6105-T5	Anodize	Extruded
8581			Mill	
8581-Black			Anodize	
8582			Anodize	
8583			Mill	
8583-Black			Anodize	
25-8580			Anodize	
25-8581			Mill	
25-8581-Black			Anodize	
40-8582			Anodize	
40-8583			Mill	
40-8583-Black			Anodize	

* Or comparable

Part Description:

The double flange UniBearing™ profile can be cut to your desired length. There are options available in a mill or anodize finish. It is commonly used in custom linear bearing applications when there are two guiderails. See page 860 for the cut-to-length machining service.



Part No.												
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	G	Weight
8584	8585	8585-Black	145”	F	3.125”	1.063”	.998”	.244”	.156”	.156”	.372”	.068 lb / in.
8586	8587	8587-Black	145”	F	4.750”	1.625”	1.493”	.308”	.260”	.245”	.625”	.164 lb / in.
25-8584	25-8585	25-8585-Black	3.683M	M	79.38mm	27.00mm	25.35mm	6.20mm	4.00mm	4.00mm	9.45mm	.0012 kg / mm
40-8586	40-8587	40-8587-Black	4M	M	124.78mm	41.28mm	37.92mm	7.82mm	6.60mm	6.22mm	15.88mm	.0065 kg / mm

* Longer lead times apply

Material Specifications

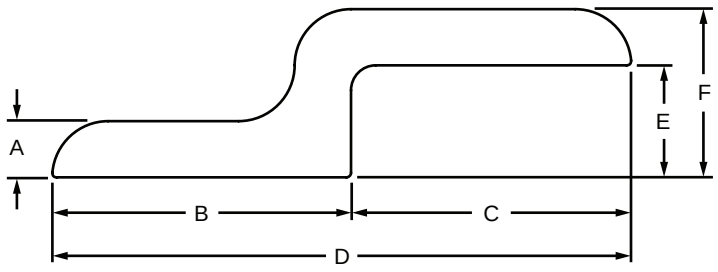
Part No.	Material	Alloy*	Finish	Process
8584	Aluminum	6105-T5	Anodize	Extruded
8585			Mill	
8585-Black			Anodize	
8586			Anodize	
8587			Mill	
8587-Black			Anodize	
25-8584			Anodize	
25-8585			Mill	
25-8585-Black			Anodize	
40-8586			Anodize	
40-8587			Mill	
40-8587-Black			Anodize	

* Or comparable

Single Retainer Profile

Part Description:

The single retainer profile can be cut to your desired length. There are options available in mill or anodize finish. It is commonly used to mount a panel or mesh when it is recessed within the T-slot or on the profile frame. When used in this capacity it is a strong fastening option that is simple to use, provides stability, and reduces vibration. The single retainer profile is also frequently used when mounting one panel or mesh to a T-slot profile or in instances when larger profile series are used to mount two panels or mesh. See page 860 for the cut-to-length machining service.



Part No.											
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	Weight
8515	8516	8516-Black	145"	F	.188"	1.000"	.938"	1.938"	.375"	.563"	.042 lb / in.
8510	8511	8511-Black	145"	F	.250"	1.500"	1.379"	2.879"	.590"	.840"	.093 lb / in.
20-8515	20-8516	20-8516-Black	4M	M	3.00mm	20.00mm	19.00mm	39.00mm	7.19mm	10.19mm	.0008 kg / mm
25-8515	25-8516	25-8516-Black	4M	M	4.00mm	25.00mm	23.50mm	48.50mm	9.30mm	13.30mm	.0010 kg / mm
30-8515	30-8516	30-8516-Black	4M	M	4.00mm	30.00mm	28.00mm	58.00mm	10.59mm	14.58mm	.0016 kg / mm
40-8510	40-8511	40-8511-Black	4M	M	6.00mm	40.00mm	37.00mm	77.00mm	15.95mm	21.95mm	.0030 kg / mm
45-8510	45-8511	45-8511-Black	4M	M	6.00mm	45.00mm	41.98mm	86.98mm	17.29mm	23.29mm	.0036 kg / mm

* Longer lead times apply

Material Specifications

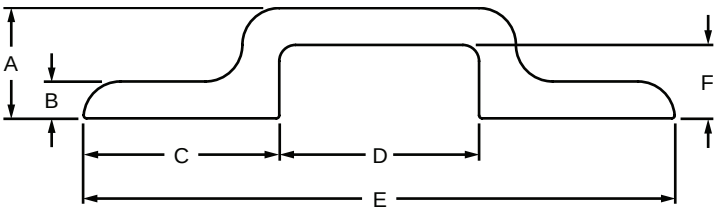
Part No.	Material	Alloy*	Finish	Process
8515	Aluminum	6105-T5	Anodize	Extruded
8516			Mill	
8516-Black			Anodize	
8510			Anodize	
8511			Mill	
8511-Black			Anodize	
20-8515			Anodize	
20-8516			Mill	
20-8516-Black			Anodize	
25-8515			Anodize	
25-8516			Mill	
25-8516-Black			Anodize	

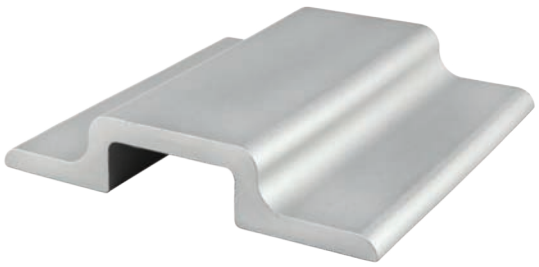
Part No.	Material	Alloy*	Finish	Process
30-8515	Aluminum	6105-T5	Anodize	Extruded
30-8516			Mill	
30-8516-Black			Anodize	
40-8510			Anodize	
40-8511			Mill	
40-8511-Black			Anodize	
45-8510			Anodize	
45-8511			Mill	
45-8511-Black			Anodize	

* Or comparable

Part Description:

The double retainer profile can be cut to your desired length. There are options available in mill or anodize finish. It is commonly used to mount a panel or mesh when it is recessed within the T-slot or on the profile frame. When used in this capacity it is a strong fastening option that is simple to use, provides stability, and reduces vibration. The double retainer profile is also frequently used to create a custom retainer in instances when a T-slot profile is connecting two adjacent panels. See page 860 for the cut-to-length machining service.





Part No.											
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	F	Weight
8610	8611	8611-Black	145”	F	.563”	.188”	1.000”	1.020”	3.020”	.375”	.100 lb / in.
8512	8513	8513-Black	145”	F	.840”	.250”	1.500”	1.523”	4.523”	.590”	.142 lb / in.
25-8610	25-8611	25-8611-Black	4M	M	13.30mm	4.00mm	25.00mm	25.50mm	75.50mm	9.30mm	.0020 kg / mm
40-8512	40-8513	40-8513-Black	4M	M	21.95mm	6.00mm	40.00mm	40.59mm	120.59mm	15.95mm	.0060 kg / mm

* Longer lead times apply

Material Specifications

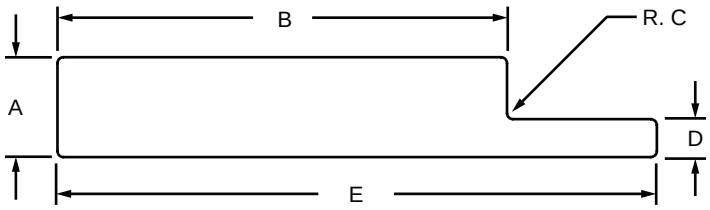
Part No.	Material	Alloy*	Finish	Process
8610	Aluminum	6105-T5	Anodize	Extruded
8611			Mill	
8611-Black			Anodize	
8512			Anodize	
8513			Mill	
8513-Black			Anodize	
25-8610			Anodize	
25-8611			Mill	
25-8611-Black			Anodize	
40-8512			Anodize	
40-8513			Mill	
40-8513-Black			Anodize	

* Or comparable

Storage Bin Hanger Profile

Part Description:

The storage bin hanger profile is typically used to mount storage bins (page 813) to an application. It is made of aluminum and available in mill or anodize finish. The storage bin profile can be cut to your desired length. See page 860 for the cut-to-length machining service.



Part No.										
Clear*	Natural	Black*	Full Length	Series	A	B	C	D	E	Weight
8507	8508	8508-Black	145”	F M	.250”	1.125”	.015”	.095”	1.500”	.030 lb / in.

* Longer lead times apply

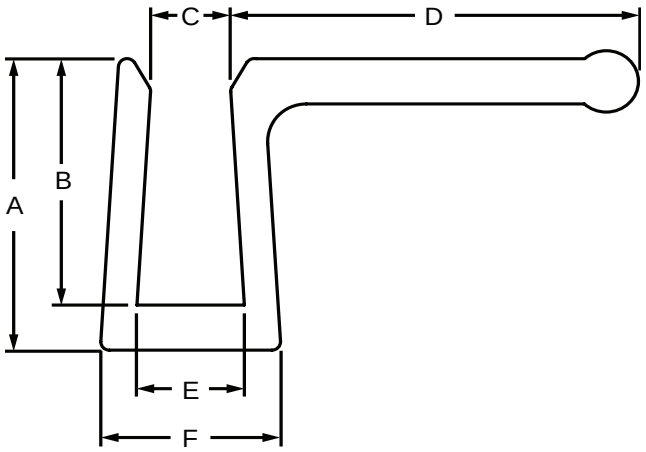
Material Specifications

Part No.	Material	Alloy*	Finish	Process
8507	Aluminum	6105-T5	Anodize	Extruded
8508			Mill	
8508-Black			Anodize	

* Or comparable

Part Description:

The panel stiffener profile can be cut to your desired length. It is made of aluminum, meaning it is strong, lightweight and corrosion-resistant. It is available with or without a handle and is commonly used to add rigidity to large .250" (6.35mm) thick panels. It easily connects to a panel using only a soft-faced mallet. See page 860 for the cut-to-length machining service.



Part No.											
Clear Anodize	Black Anodize*	Handle	Full Length	Series	A	B	C	D	E	F	Weight
8570	8570-Black	Yes	145"	F	.710"	.600"	.182"	.953"	.245"	.420"	.025 lb / in.
8575	8575-Black	No	145"	F	.710"	.600"	.182"	—	.245"	.417"	.014 lb / in.
65-8570	65-8570-Black	Yes	3.68M	M	18.03mm	15.24mm	4.62mm	24.21mm	6.22mm	10.67mm	.0004 kg / mm
65-8575	65-8575-Black	No	3.68M	M	18.03mm	15.24mm	4.62mm	—	6.22mm	10.59mm	.0003 kg / mm

* Longer lead times apply

Material Specifications

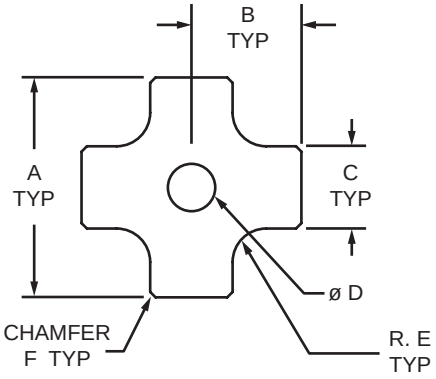
Material	Alloy*	Process
Aluminum	6105-T5	Extruded

* Or comparable

Tube Insert Profile

Part Description:

The tube insert profile can be cut to your desired length. It is made of aluminum, meaning it is strong, lightweight and corrosion-resistant. It is commonly used to create a custom connector for Ready Tube® profiles. See page 860 for the cut-to-length machining service.



Part No.	Full Length	Series	A	B	C	D	E	F	Weight
9750	145”	RT	1.225”	.612”	.459”	.262”	.187”	.030” X 45°	.068 lb / in.

Material Specifications

Material	Alloy*	Finish	Process
Aluminum	6105-T5	Clear Anodize	Extruded

* Or comparable