



80/20® Inc.
The Industrial Erector Set®

Profiles for T-Slot Framing

T-slot profiles can be machined to size and combined to build carts, shelving, displays, barriers, workstations, machine guards, enclosures, and other structures without requiring welding. Structures can be expanded or reconfigured as a facility's needs change. Aluminum profiles have recessed T-slots that accept compatible connectors and fasteners that can be moved anywhere along the slots for precise positioning. The connectors join profiles to create a frame for the structures, while the fasteners allow hinges, panels, handles, and other parts to be attached for customizing the structures. Aluminum extrusion alloy is lightweight, has a high strength-to-weight ratio, and a clear anodized matte finish which helps prevent oxidation and corrosion.

Lite and **Ultra-Lite** profiles have hollow corners making them more lightweight.

Black anodized finish profiles are a good choice for low reflective projects such as photo booths and military applications.

Relative Profile Weight	Extrusion Texture	Series	Rail HxW	Slot Width	Bore Diameter	4 ft L Item No.	6 ft L Item No.	8 ft L Item No.	12 ft L Item No.
Inch Single Profiles									
2 Adjacent-Sides Slots									
Standard	Grooved	10 Series	1 in x 1 in	0.3 in	13/64 in	—	—	—	29NZ73
		15 Series	1 1/2 in x 1 1/2 in	0.3 in	17/64 in	—	—	—	29NZ76
2 Opposite-Sides Slots									
Standard	Grooved	10 Series	1 in x 1 in	0.3 in	13/64 in	—	—	—	29NZ74
		15 Series	1 1/2 in x 1 1/2 in	0.3 in	17/64 in	—	—	—	29NZ77
4 Adjacent-Sides Slots									
Ultra-Lite	Grooved	15 Series	1 1/2 in x 1 1/2 in	0.3 in	17/64 in	—	—	—	29NZ75
		15 Series	1 1/2 in x 1 1/2 in	0.3 in	17/64 in	—	5JTA9	—	5JTC9
Standard	Grooved	10 Series	1 in x 1 in	0.3 in	13/64 in	—	29RC8	—	—
		10 Series	1 in x 1 in	0.3 in	13/64 in	—	29NZ64 *	2RCR9	29NZ63 *
	15 Series	1 1/2 in x 1 1/2 in	0.3 in	17/64 in	29NZ78	5JTA8	5JTC8	29NZ68 *	
	15 Series	1 1/2 in x 1 1/2 in	0.3 in	17/64 in	—	16U251	—	16U252	
Lite	Smooth	15 Series	1 1/2 in x 1 1/2 in	0.3 in	17/64 in	—	2RCR3	2RCR4	29NZ69 *
		15 Series	1 1/2 in x 1 1/2 in	0.3 in	17/64 in	—	5JTC0	—	5JTD0

Relative Profile Weight	Extrusion Texture	Series	Rail HxW	Slot Width	Bore Diameter	4 ft L Item No.	6 ft L Item No.	8 ft L Item No.	12 ft L Item No.
Inch Double Profiles									
6 Adjacent-Sides Slots									
Standard	Grooved	10 Series	2 in x 1 in	0.3 in	13/64 in	—	29NZ66 *	2RCR2	29NZ65 *
		10 Series	2 in x 1 in	0.3 in	13/64 in	—	2RCR1	—	—
	Smooth	15 Series	3 in x 1 1/2 in	0.3 in	17/64 in	29NZ80	5JTC1	5JTD1	29NZ70 *
		15 Series	3 in x 1 1/2 in	0.3 in	17/64 in	—	16U253	—	16U254
Lite	Grooved	15 Series	3 in x 1 1/2 in	0.3 in	17/64 in	—	2RCR5	2RCR6	29NZ71 *
		15 Series	3 in x 1 1/2 in	0.3 in	17/64 in	—	—	—	29NZ82
Lite	Smooth	15 Series	3 in x 1 1/2 in	0.3 in	17/64 in	—	—	—	5JTD2
		15 Series	3 in x 1 1/2 in	0.3 in	17/64 in	—	—	—	5JTD2

Relative Profile Weight	Extrusion Texture	Series	Rail HxW	Slot Width	Bore Diameter	4 ft L Item No.	6 ft L Item No.	8 ft L Item No.	12 ft L Item No.
Inch Triple Profiles									
8 Adjacent-Sides Slots									
Standard	Grooved	10 Series	3 in x 1 in	0.3 in	13/64 in	—	5JTA6	—	5JTC6
		15 Series	4 1/2 in x 1 1/2 in	0.3 in	17/64 in	—	5JTC3	—	5JTD3

Relative Profile Weight	Extrusion Texture	Series	Rail HxW	Slot Width	Bore Diameter	4 ft L Item No.	6 ft L Item No.	8 ft L Item No.	12 ft L Item No.
Inch Quad Profiles									
Standard	Grooved	10 Series	2 in x 2 in	0.3 in	13/64 in	—	5JTA7	—	29NZ67 *
		10 Series	2 in x 2 in	0.3 in	13/64 in	—	—	—	5JTC7
		15 Series	3 in x 3 in	0.3 in	17/64 in	—	5JTC4	—	29NZ72 *
		15 Series	3 in x 3 in	0.3 in	17/64 in	—	—	—	5JTD4
Lite	Smooth	15 Series	3 in x 3 in	0.3 in	17/64 in	—	—	—	29NZ83
		15 Series	3 in x 3 in	0.3 in	17/64 in	—	5JTC5	—	5JTD5

Relative Profile Weight	Extrusion Texture	Series	Rail HxW	Slot Width	Bore Diameter	4 ft L Item No.	6 ft L Item No.	8 ft L Item No.	12 ft L Item No.
12 Adjacent-Sides Slots									
Standard	Grooved	15 Series	6 in x 3 in	0.3 in	17/64 in	—	—	—	29NZ84

Relative Profile Weight	Extrusion Texture	Series	Rail HxW	Slot Width	Bore Diameter	4 ft L Item No.	6 ft L Item No.	8 ft L Item No.	12 ft L Item No.
Metric Double Profiles									
2 Adjacent-Sides Slots									
Standard	Smooth	25 Series	6.5 mm	6.5 mm	4.19 mm	29NZ86	—	—	—
Lite	Smooth	40 Series	8.1 mm	8.1 mm	6.81 mm	29NZ94	—	—	—
3 Adjacent-Sides Slots									
Lite	Smooth	40 Series	8.1 mm	8.1 mm	6.81 mm	29NZ95	—	—	—
4 Adjacent-Sides Slots									
Lite	Smooth	40 Series	8.1 mm	8.1 mm	6.81 mm	29NZ96	—	—	—
6 Adjacent-Sides Slots									
Standard	Smooth	20 Series	5.3 mm	4.19 mm	16U249	16U250	—	—	—
		45 Series	10.1 mm	10 mm	5JRY2	5JTA5	—	—	—
		25 Series	6.5 mm	5 mm	5JRY4	5JR24	—	—	—
		30 Series	8.1 mm	6.65 mm	5JRY9	5JR27	—	—	—
		40 Series	8.1 mm	6.81 mm	5JRZ1	5JTA0	—	—	—
		40 Series	8.1 mm	6.81 mm	5JRY6	5JTA1	—	—	—

Relative Profile Weight	Extrusion Texture	Series	Rail HxW	Slot Width	Bore Diameter	4 ft L Item No.	6 ft L Item No.	8 ft L Item No.	12 ft L Item No.
Metric Quad Profiles									
8 Adjacent-Sides Slots									
Standard	Smooth	30 Series	8.1 mm	6.65 mm	29NZ87	—	—	—	—
		45 Series	10.1 mm	10 mm	29NZ99	—	—	—	—
		25 Series	6.5 mm	5 mm	5JRY7	5JR25	—	—	—
		40 Series	8.1 mm	6.81 mm	5JR22	5JTA2	—	—	—
12 Adjacent-Sides Slots									
Standard	Smooth	40 Series	8.1 mm	6.81 mm	29NZ93	—	—	—	—
		25 Series	6.5 mm	5 mm	29NZ85	—	—	—	—

Relative Profile Weight	Extrusion Texture	Series	Rail HxW	Slot Width	Bore Diameter	4 ft L Item No.	6 ft L Item No.	8 ft L Item No.	12 ft L Item No.
Metric Single Profiles									
1 Slots									
Standard	Smooth	40 Series	8.1 mm	6.81 mm	29NZ88	—	—	—	—
2 Adjacent-Sides Slots									
Standard	Smooth	40 Series	8.1 mm	6.81 mm	29NZ89	—	—	—	—
		40 Series	8.1 mm	6.81 mm	29NZ91	—	—	—	—
Lite	Smooth	40 Series	8.1 mm	6.81 mm	29NZ97	—	—	—	—
3 Adjacent-Sides Slots									
Standard	Smooth	40 Series	8.1 mm	6.81 mm	29NZ90	—	—	—	—
4 Adjacent-Sides Slots									
Ultra-Lite	Smooth	40 Series	8.1 mm	6.81 mm	29NZ98	—	—	—	—
		30 Series	8.1 mm	6.65 mm	5JRY8	5JR26	—	—	—
		25 Series	6.5 mm	5 mm	5JRY3	5JR23	—	—	—
		40 Series	8.1 mm	6.81 mm	5JR20	5JR28	—	—	—
Standard	Smooth	45 Series	10.1 mm	10 mm	5JRY1	5JTA3	—	—	—
		20 Series	5.3 mm	4.19 mm	16U247	16U248	—	—	—
Lite	Smooth	45 Series	10.1 mm	10 mm	5JRE5	5JTA4	—	—	—
		40 Series	8.1 mm	6.81 mm	5JRY5	5JR29	—	—	—

Relative Profile Weight	Extrusion Texture	Series	Rail HxW	Slot Width	Bore Diameter	4 ft L Item No.	6 ft L Item No.	8 ft L Item No.	12 ft L Item No.
Metric Triple Profiles									
8 Adjacent-Sides Slots									
Standard	Smooth	40 Series	8.1 mm	6.81 mm	29NZ92	—	—	—	—

* Black anodized finish.



Single Profile



Double Profile



Triple Profile



Quad Profile