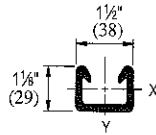
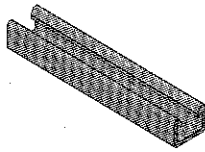




F20P-1000, F20V-1000

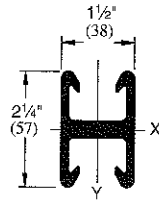
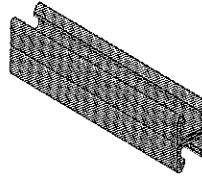
LIGHT DUTY SINGLE CHANNEL - PATENTED FLANGE PROFILE



Ww/100 Ft: 47 Lbs (70 kg/100 m)

F20P-1100, F20V-1100

LIGHT DUTY BACK-TO-BACK CHANNEL - PATENTED FLANGE PROFILE



Ww/100 Ft: 94 Lbs (140 kg/100 m)

SECTION PROPERTIES

Part Number	Weight lbs./ft. (kg/m)	Area in ² (mm ²)	I in ⁴ (mm ⁴)	X - X Axis			Y - Y Axis		
				R in (mm)	C1 in (mm)	C2 in (mm)	I in ⁴ (mm ⁴)	R in (mm)	C in (mm)
F20P-1000, F20V-1000	0.47	0.61	0.1	0.4	0.51	0.62	0.22	0.6	0.75
F20P-1100, F20V-1100	0.7	3.9	4.2	10	13	16	9.2	15	19
F20P-1000, F20V-1000	0.94	1.22	0.42	0.59	1.13	1.13	0.44	0.6	0.75
F20P-1100, F20V-1100	1.4	7.9	17.5	15	29	28	18.3	15	19.1

FLANGE LOADING

Part Number	Pull-Out Strength* Lbs (kN)
F20V-1000/1100	213 1.0
F20P-1000/1100	213 1.0

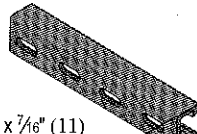
FLANGE LOAD



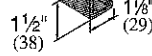
*Values shown represent a 3:1 safety factor

F20P-1200, F20V-1200

SLOTTED CHANNEL



Slots are 1" (25) x 7/16" (11)
2" (51) on Center



Ww/100 Ft: 47 Lbs (70 kg/100 m)

F20P-1000, F20V-1000

CHANNEL BEAM/COLUMN LOADING

Span in (mm)	Max. Uniform Beam Load (Safety Factor - 3:1)		Uniform Load at Deflection of 1/360 Span		Maximum Column Load Lbs (kN)
	Load Lbs (kN)	Deflection in (mm)	Load Lbs (kN)	Deflection in (mm)	
12	1,629	0.151	359	0.033	2,759
305	7.2	3.8	1.6	0.8	12.3
18	1,086	0.340	160	0.050	2,351
457	4.8	8.6	0.7	1.3	10.5
24	815	0.605	90	0.067	1,862
610	3.6	15.4	0.4	1.7	8.3
30	652	0.945	57	0.083	1,298
762	2.9	24.0	0.3	2.1	5.8
36	543	1.360	40	0.100	901
914	2.4	34.5	0.2	2.5	4.0
48	407	2.418	22	0.133	507
1,219	1.8	61.4	0.1	3.4	2.3
60	326	3.779	14	0.167	324
1,524	1.5	96.0	0.1	4.2	1.4
72	272	5.441	10	0.200	225
1,829	1.2	138.2	0.0	5.1	1.0

F20P-1100, F20V-1100

CHANNEL BEAM/COLUMN LOADING

Span in (mm)	Max. Uniform Beam Load (Safety Factor - 3:1)		Uniform Load at Deflection of 1/360 Span		Maximum Column Load Lbs (kN)
	Load Lbs (kN)	Deflection in (mm)	Load Lbs (kN)	Deflection in (mm)	
12	3,804	0.082	1,556	0.033	5,961
305	16.9	2.1	6.9	0.8	26.5
18	2,536	0.183	691	0.05	5,509
457	11.3	4.6	3.1	1.3	24.5
24	1,902	0.326	389	0.067	4,979
610	8.5	8.3	1.7	1.7	22.1
30	1,522	0.509	249	0.083	4,375
762	6.8	12.9	1.1	2.1	19.5
36	1,268	0.734	173	0.1	3,698
914	5.6	18.6	0.8	2.5	16.4
48	951	1.304	97	0.133	2,254
1,219	4.2	33.1	0.4	3.4	10.0
60	761	2.038	62	0.167	1,442
1,524	3.4	51.8	0.3	4.2	6.4
72	634	2.935	43	0.2	1,001
1,829	2.8	74.5	0.2	5.1	4.5

1 1/2" Framing System
 Concrete Inserts
 Electrical Fittings
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 Telectrut System Channel
 Fiberglass System
 Special Metals
 PrimAngle System
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