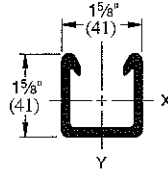
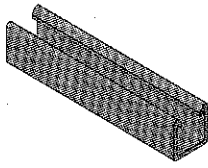


F20P-2000, F20V-2000

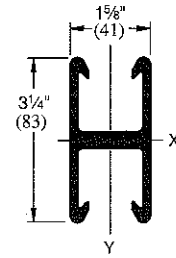
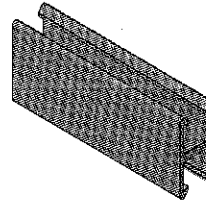
HEAVY DUTY SINGLE CHANNEL - PATENTED FLANGE PROFILE



Wt/100 Ft: 82 Lbs(122 kg/100 m)

F20P-2100, F20V-2100

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



Wt/100 Ft: 164 Lbs(244 kg/100 m)

SECTION PROPERTIES

Part Number	Weight lbs./ft. (kg/m)	Area in ² (mm ²)	X - X Axis				Y - Y Axis		
			I in ⁴ (mm ⁴)	R in. (mm)	C1 in. (mm)	C2 in. (mm)	I in ⁴ (mm ⁴)	R in. (mm)	C in. (mm)
F20P-2000	0.82	1.06	0.31	0.54	0.7	0.93	0.42	0.63	0.82
F20V-2000	1.2	6.8	12.9	13.7	17.8	23.622	17.5	16.0	20.8
F20P-2100	1.64	2.12	1.77	0.91	1.63	1.63	0.85	0.63	0.82
F20V-2100	2.4	13.7	73.7	23.1	41.4	41.402	35.4	16.0	20.8

FLANGE LOADING

Part Number	Pull-Out Strength* Lbs. (kN)
F20V-2000/2100	449 2.0
F20P-2000/2100	360 1.6

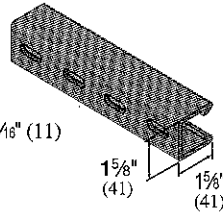
FLANGE LOAD



*Values shown represent a 3:1 safety factor

F20P-2200, F20V-2200

SLOTTED CHANNEL



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

Wt/100 Ft: 82 Lbs (122 kg/100 m)

F20P-2000, F20V-2000

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	3,561	0.102	1,159	0.033	5,160
305	15.8	2.6	5.2	0.8	23.0
18	2,374	0.23	515	0.05	4,704
457	10.6	5.8	2.3	1.3	20.9
24	1,781	0.41	290	0.067	4,168
610	7.9	10.4	1.3	1.7	18.5
30	1,424	0.64	185	0.083	3,553
762	6.3	16.3	0.8	2.1	15.8
36	1,187	0.922	129	0.1	2,859
914	5.3	23.4	0.6	2.5	12.7
48	890	1.638	72	0.133	1,636
1,219	4.0	41.6	0.3	3.4	7.3
60	712	2.56	46	0.167	1,047
1,524	3.2	65	0.2	4.2	4.7
72	594	3.686	32	0.2	727
1,829	2.6	93.6	0.1	5.1	3.2

F20P-2100, F20V-2100

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	5,559	0.028	5,559	0.033	9,454
305	24.7	0.7	24.7	0.8	42.1
18	3,706	0.064	2,914	0.05	8,866
457	16.5	1.6	13.0	1.3	39.4
24	2,780	0.113	1,639	0.067	8,181
610	12.4	2.9	7.3	1.7	36.4
30	2,224	0.177	1,049	0.083	7,405
762	9.9	4.5	4.7	2.1	32.9
36	1,853	0.254	730	0.1	6,451
914	8.2	6.5	3.2	2.5	28.7
48	1,390	0.452	410	0.133	4,534
1,219	6.2	11.5	1.8	3.4	20.2
60	1,112	0.707	262	0.167	2,902
1,524	4.9	18.0	1.2	4.2	12.9
72	927	1.018	182	0.2	2,015
1,829	4.1	25.9	0.8	5.1	9.0

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