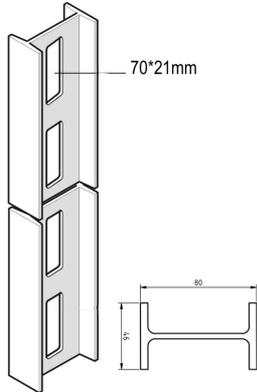


HDPIPE80S

Perforated I-profile



Reference	↑ mm	↔ mm	→ ← mm	↔ mm	kg/m	📦	Unit
HDPIPE80S	80	46		6000	5,610	6	M

Moment of resistance: $W_x = 19.96 \text{ cm}^3$.
 Protection cap in yellow PVC: DOPIPE80. 'Load tables' can be found under mounting principle.

L [mm]	Fmax [kN]	Deflection [mm]	Maximal Allowable deflection [mm]	Fmax [kN] for L/200
250	74.73	0.23	1.25	41.15
300	77.97	0.24	1.50	39.01
350	14.00	0.27	1.75	14.72
400	11.24	1.27	2.00	11.61
450	8.75	2.13	2.25	8.79
500	7.57	3.27	2.50	7.57
550	6.95	4.67	2.75	6.95
600	6.45	6.41	3.00	6.45
650	6.04	8.49	3.25	6.04
700	5.81	10.7	3.50	5.81
750	5.61	13.1	3.75	5.61
800	5.43	15.6	4.00	5.43
850	5.28	18.3	4.25	5.28
900	5.15	21.1	4.50	5.15
950	5.04	24.1	4.75	5.04
1000	4.95	27.2	5.00	4.95
1050	4.87	30.5	5.25	4.87
1100	4.80	34.0	5.50	4.80
1150	4.74	37.7	5.75	4.74
1200	4.69	41.6	6.00	4.69
1250	4.65	45.7	6.25	4.65
1300	4.61	50.0	6.50	4.61
1350	4.58	54.5	6.75	4.58
1400	4.55	59.2	7.00	4.55
1450	4.53	64.1	7.25	4.53
1500	4.51	69.2	7.50	4.51
1550	4.49	74.5	7.75	4.49
1600	4.48	80.0	8.00	4.48

Atkore

Profile type IPE80S

Maximal allowable deflection L/200

Max. span 20.7 m

Sp. 2.1 m

W. 80 cm

W. 8 cm

Weight profile 56.1 kg/m

Prod. weight 528.2 kg/m

Self weight 1.7

Load scenario

For questions please contact your local representative.

L [mm]	Fmax [kN]	Deflection [mm]	Maximal Allowable deflection [mm]	Fmax [kN] for L/200
250	1.08	0.17	1.25	1.08
300	4.06	0.59	1.50	4.06
350	5.36	1.12	1.75	3.69
400	7.05	1.68	2.00	3.29
450	9.07	2.33	2.25	2.87
500	11.45	3.06	2.50	2.46
550	14.11	3.87	2.75	2.11
600	17.07	4.76	3.00	1.81
650	20.35	5.72	3.25	1.56
700	23.97	6.76	3.50	1.34
750	27.95	7.89	3.75	1.14
800	32.30	9.11	4.00	1.00
850	37.03	10.43	4.25	0.88
900	42.16	11.85	4.50	0.79
950	47.70	13.37	4.75	0.71
1000	53.65	15.00	5.00	0.64
1050	59.93	16.73	5.25	0.59
1100	66.55	18.57	5.50	0.54
1150	73.52	20.52	5.75	0.50
1200	80.85	22.59	6.00	0.46
1250	88.55	24.77	6.25	0.43
1300	96.62	27.07	6.50	0.40
1350	105.07	29.49	6.75	0.37
1400	113.90	32.03	7.00	0.35
1450	123.12	34.69	7.25	0.33
1500	132.73	37.47	7.50	0.31
1550	142.74	40.37	7.75	0.29
1600	153.15	43.39	8.00	0.27
1650	163.97	46.53	8.25	0.25
1700	175.20	49.79	8.50	0.24
1750	186.84	53.17	8.75	0.23
1800	198.89	56.67	9.00	0.22
1850	211.35	60.29	9.25	0.21
1900	224.23	64.03	9.50	0.20
1950	237.53	67.89	9.75	0.19
2000	251.25	71.87	10.00	0.18

Atkore

Profile type IPE80S

Maximal allowable deflection L/200

Max. span 20.9 cm

Sp. 2.1 m

W. 80 cm

W. 8 cm

Weight profile 56.1 kg/m

Prod. weight 528.2 kg/m

Self weight 1.7

Load scenario

For questions please contact your local representative.