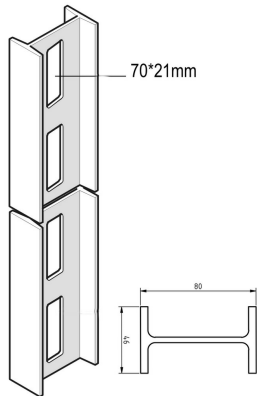


HDPIPE80S

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.

Maximal point loads (X-X)					
L [mm]	Fmax [kN]	Deflection [mm]	Maximal Allowable deflection [mm]	Fmax [kN] for L/200	Fmax [kN] for L/250
250	74.73	0.23	1.25	41.15	33.00
300	92.97	0.24	1.50	50.00	39.00
350	114.00	0.25	1.75	60.00	46.50
400	138.00	0.27	2.00	72.00	54.00
450	165.00	0.28	2.25	85.50	62.25
500	195.00	0.30	2.50	100.00	71.25
550	228.00	0.31	2.75	115.50	80.25
600	264.00	0.32	3.00	132.00	89.25
650	303.00	0.33	3.25	150.00	99.00
700	345.00	0.34	3.50	169.50	109.50
750	390.00	0.35	3.75	190.50	120.75
800	438.00	0.36	4.00	213.00	132.75
850	489.00	0.37	4.25	237.00	145.50
900	543.00	0.38	4.50	262.50	158.25
950	599.00	0.39	4.75	289.50	171.75
1000	657.00	0.40	5.00	318.00	186.00
1050	717.00	0.41	5.25	348.00	199.25
1100	779.00	0.42	5.50	379.50	213.75
1150	843.00	0.43	5.75	412.50	228.00
1200	909.00	0.44	6.00	447.00	242.25
1250	977.00	0.45	6.25	483.00	256.25
1300	1047.00	0.46	6.50	520.50	270.75
1350	1119.00	0.47	6.75	559.50	285.75
1400	1193.00	0.48	7.00	600.00	300.00
1450	1269.00	0.49	7.25	642.00	314.25
1500	1347.00	0.50	7.50	685.50	328.25
1550	1427.00	0.51	7.75	730.50	342.75
1600	1509.00	0.52	8.00	777.00	357.00
1650	1593.00	0.53	8.25	825.00	371.25
1700	1679.00	0.54	8.50	874.50	385.25
1750	1767.00	0.55	8.75	925.50	399.75
1800	1857.00	0.56	9.00	978.00	414.00
1850	1949.00	0.57	9.25	1032.00	428.25
1900	2043.00	0.58	9.50	1087.50	442.25
1950	2139.00	0.59	9.75	1144.50	456.75
2000	2237.00	0.60	10.00	1203.00	471.00

Atkore
CONSTRUCTION

Profile type **HDPIPE80S**

Maximal allowable deflection: **L/200**

Max. span: 20.7 m

Sp. span: 2.1 m

Max. load: 92 kN/m

Max. span: 8.2 m

Weight profile: 56.1 kg/m

Profile weight: 528.2 kg/m

Section factor: 1.7

Load scenario

For questions please contact your local representative.

Maximal distributed loads Unistrut profiles (Y-Y)					
L [mm]	Fmax [kN]	Deflection [mm]	Maximal Allowable deflection [mm]	Fmax [kN] for L/200	Fmax [kN] for L/250
250	1.08	0.17	1.25	0.60	0.48
300	1.36	0.18	1.50	0.72	0.57
350	1.68	0.19	1.75	0.84	0.66
400	2.04	0.20	2.00	1.00	0.75
450	2.43	0.21	2.25	1.17	0.84
500	2.86	0.22	2.50	1.35	0.93
550	3.33	0.23	2.75	1.53	1.02
600	3.84	0.24	3.00	1.72	1.11
650	4.38	0.25	3.25	1.92	1.20
700	4.95	0.26	3.50	2.13	1.29
750	5.56	0.27	3.75	2.34	1.38
800	6.20	0.28	4.00	2.56	1.47
850	6.87	0.29	4.25	2.79	1.56
900	7.58	0.30	4.50	3.03	1.65
950	8.32	0.31	4.75	3.27	1.74
1000	9.09	0.32	5.00	3.52	1.83
1050	9.89	0.33	5.25	3.78	1.92
1100	10.72	0.34	5.50	4.05	2.01
1150	11.58	0.35	5.75	4.32	2.10
1200	12.47	0.36	6.00	4.60	2.19
1250	13.39	0.37	6.25	4.89	2.28
1300	14.34	0.38	6.50	5.19	2.37
1350	15.32	0.39	6.75	5.50	2.46
1400	16.33	0.40	7.00	5.81	2.55
1450	17.37	0.41	7.25	6.13	2.64
1500	18.44	0.42	7.50	6.46	2.73
1550	19.54	0.43	7.75	6.80	2.82
1600	20.67	0.44	8.00	7.15	2.91
1650	21.83	0.45	8.25	7.50	3.00
1700	23.02	0.46	8.50	7.86	3.09
1750	24.24	0.47	8.75	8.23	3.18
1800	25.49	0.48	9.00	8.60	3.27
1850	26.77	0.49	9.25	8.98	3.36
1900	28.08	0.50	9.50	9.37	3.45
1950	29.42	0.51	9.75	9.77	3.54
2000	30.79	0.52	10.00	10.17	3.63

Atkore
CONSTRUCTION

Profile type **HDPIPE80S**

Maximal allowable deflection: **L/200**

Max. span: 20.7 m

Sp. span: 2.1 m

Max. load: 92 kN/m

Max. span: 8.2 m

Weight profile: 56.1 kg/m

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Load scenario

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