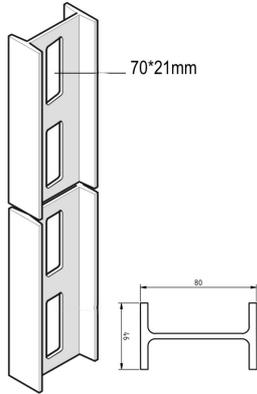


HDPIPE80S

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
250	74.73	0.23	1.25	41.15
300	77.97	0.24	1.50	39.01
350	81.20	0.25	1.75	36.92
400	84.44	0.27	2.00	34.81
450	87.67	0.28	2.25	32.70
500	90.91	0.30	2.50	30.59
550	94.14	0.31	2.75	28.48
600	97.38	0.32	3.00	26.37
650	100.61	0.34	3.25	24.26
700	103.85	0.35	3.50	22.15
750	107.08	0.36	3.75	20.04
800	110.32	0.38	4.00	17.93
850	113.55	0.39	4.25	15.82
900	116.79	0.40	4.50	13.71
950	120.02	0.42	4.75	11.60
1000	123.26	0.43	5.00	9.49
1050	126.49	0.44	5.25	7.38
1100	129.73	0.45	5.50	5.27
1150	132.96	0.46	5.75	3.16
1200	136.20	0.48	6.00	1.05

Profile type IPE80S

Maximal allowable deflection: L/200

Weight profile: 56.1 kg/m

Product 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
250	1.08	0.17	1.25	1.00
300	4.06	0.50	2.00	4.00
350	5.36	1.12	3.25	3.60
400	7.05	2.58	5.00	3.20
450	9.07	4.33	7.25	2.80
500	11.40	6.74	10.00	2.40
550	14.04	9.70	13.25	2.00
600	16.98	13.20	17.00	1.60
650	20.22	17.40	21.25	1.20
700	23.76	22.30	26.00	0.80
750	27.60	27.90	31.25	0.40
800	31.74	34.20	37.00	0.20
850	36.18	41.20	43.25	0.10
900	40.92	48.90	50.00	0.05
950	45.96	57.30	57.25	0.02
1000	51.30	66.40	65.00	0.01

Profile type IPE80S

Maximal allowable deflection: L/200

Weight profile: 56.1 kg/m

Product weight: 528.2 kg/m

Section factor: 1.7

Load scenario

For questions please contact your local representative.