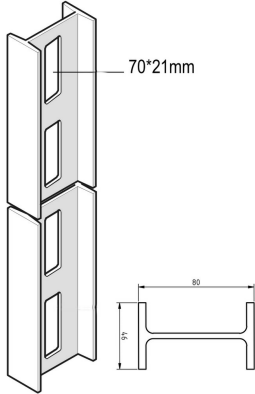


HDPIPE80S

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	34.82
450	87.67	0.28	2.25	32.79
500	90.91	0.31	2.50	30.84
550	94.15	0.33	2.75	28.96
600	97.38	0.35	3.00	27.14
650	100.62	0.37	3.25	25.37
700	103.86	0.39	3.50	23.65
750	107.09	0.41	3.75	21.98
800	110.33	0.43	4.00	20.36
850	113.57	0.45	4.25	18.79
900	116.80	0.47	4.50	17.26
950	120.04	0.49	4.75	15.78
1000	123.28	0.51	5.00	14.34
1050	126.52	0.53	5.25	12.94
1100	129.76	0.55	5.50	11.58
1150	133.00	0.57	5.75	10.26
1200	136.24	0.59	6.00	8.98
1250	139.48	0.61	6.25	7.74
1300	142.72	0.63	6.50	6.54
1350	145.96	0.65	6.75	5.37
1400	149.20	0.67	7.00	4.23
1450	152.44	0.69	7.25	3.12
1500	155.68	0.71	7.50	2.04
1550	158.92	0.73	7.75	1.00
1600	162.16	0.75	8.00	0.00

Profile type IPE80S

Maximal allowable deflection: **L/200**

Properties:

- Area: 20.7 cm²
- I_{xx}: 21.2 cm⁴
- I_{yy}: 92 cm⁴
- I_{xy}: 8 cm⁴
- Weight profile: 56.1 kg/m
- Flange width: 52.8 mm
- 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	11.42	6.74	10.00	2.40
550	14.09	9.70	13.25	2.00
600	17.06	13.20	17.00	1.60
650	20.32	17.20	21.25	1.20
700	23.87	21.70	26.00	0.80
750	27.70	26.60	31.25	0.47
800	31.81	31.90	37.00	0.40
850	36.10	37.60	43.25	0.25
900	40.57	43.60	50.00	0.00
950	45.22	49.90	57.25	0.00
1000	50.05	56.40	65.00	0.00
1050	55.06	63.10	73.25	0.00
1100	60.24	70.00	82.00	0.00
1150	65.59	77.10	91.25	0.00
1200	71.11	84.40	101.00	0.00
1250	76.80	91.90	111.25	0.00
1300	82.66	99.60	122.00	0.00
1350	88.69	107.50	133.25	0.00
1400	94.88	115.60	145.00	0.00
1450	101.23	123.90	157.25	0.00
1500	107.74	132.40	170.00	0.00
1550	114.41	141.10	183.25	0.00
1600	121.24	150.00	197.00	0.00

Profile type IPE80S

Maximal allowable deflection: **L/200**

Properties:

- I_{xx}: 21.0 cm⁴
- I_{yy}: 21.1 cm⁴
- I_{xy}: 8 cm⁴
- Weight profile: 56.1 kg/m
- Flange width: 52.8 mm
- Section factor: 1.7

Load scenario

For questions please contact your local representative.