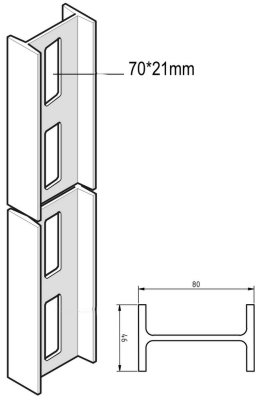


HDPIPE80S

I-Profil perforiert



Referenz	↑ mm	↔ mm	→ ← mm	↔ mm	kg/m		Einheit
HDPIPE80S	80	46		6000	5,610	6	M

Widerstandsmoment: $W_x = 19,96 \text{ cm}^3$.

Schutzkappe in gelber PVC Ausführung: DOPIPE80. 'Load tables' finden Sie unter montageprinzip.

Maximal point loads (X-X)

L [mm]	Fmax [kN]	Deflection [mm]	Maximal Allowable deflection [mm]	Fmax [kN] for L/200
250	74,73	6,03	1,51	45,15
300	77,97	6,74	1,67	47,07
350	81,20	7,47	1,83	49,00
400	84,44	8,22	1,99	50,92
450	87,67	8,98	2,15	52,85
500	90,91	9,75	2,31	54,77
550	94,14	10,53	2,47	56,70
600	97,38	11,32	2,63	58,62
650	100,61	12,12	2,79	60,55
700	103,85	12,93	2,95	62,47
750	107,08	13,75	3,11	64,40
800	110,32	14,58	3,27	66,32
850	113,55	15,42	3,43	68,25
900	116,79	16,27	3,59	70,17
950	120,02	17,13	3,75	72,10
1000	123,26	18,00	3,91	74,02
1050	126,49	18,88	4,07	75,95
1100	129,73	19,77	4,23	77,87
1150	132,96	20,67	4,39	79,80
1200	136,20	21,58	4,55	81,72
1250	139,43	22,50	4,71	83,65
1300	142,67	23,43	4,87	85,57
1350	145,90	24,37	5,03	87,50
1400	149,14	25,32	5,19	89,42
1450	152,37	26,28	5,35	91,35
1500	155,61	27,25	5,51	93,27
1550	158,84	28,23	5,67	95,20
1600	162,08	29,22	5,83	97,12
1650	165,31	30,22	5,99	99,05
1700	168,55	31,23	6,15	100,97
1750	171,78	32,25	6,31	102,90
1800	175,02	33,28	6,47	104,82
1850	178,25	34,32	6,63	106,75
1900	181,49	35,37	6,79	108,67
1950	184,72	36,43	6,95	110,60
2000	187,96	37,50	7,11	112,52
2050	191,19	38,58	7,27	114,45
2100	194,43	39,67	7,43	116,37
2150	197,66	40,77	7,59	118,30
2200	200,90	41,88	7,75	120,22
2250	204,13	43,00	7,91	122,15
2300	207,37	44,13	8,07	124,07
2350	210,60	45,27	8,23	126,00
2400	213,84	46,42	8,39	127,92
2450	217,07	47,58	8,55	129,85
2500	220,31	48,75	8,71	131,77
2550	223,54	49,93	8,87	133,70
2600	226,78	51,12	9,03	135,62
2650	230,01	52,32	9,19	137,55
2700	233,25	53,53	9,35	139,47
2750	236,48	54,75	9,51	141,40
2800	239,72	55,98	9,67	143,32
2850	242,95	57,22	9,83	145,25
2900	246,19	58,47	9,99	147,17
2950	249,42	59,73	10,15	149,10
3000	252,66	61,00	10,31	151,02

Profile type IPE80S

Maximal allowable deflection: $L/200$

Properties:

- Area: 20,7 cm²
- I_{xx}: 21,2 cm⁴
- I_{yy}: 9,0 cm⁴
- I_{xy}: 8,2 cm⁴
- Weight profile: 56,1 N/m
- Product weight: 528,2 N/m
- Self-weight: 1,7

Load scenario

For quantities 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	0,59	2,00	4,00
350	5,36	1,12	2,75	5,00
400	7,05	1,68	3,50	6,50
450	9,07	2,27	4,25	8,50
500	11,45	2,89	5,00	11,00
550	14,19	3,54	5,75	14,00
600	17,30	4,22	6,50	17,50
650	20,78	4,93	7,25	21,50
700	24,64	5,67	8,00	26,00
750	28,88	6,44	8,75	31,00
800	33,50	7,24	9,50	36,50
850	38,50	8,07	10,25	42,50
900	43,88	8,93	11,00	49,00
950	49,64	9,82	11,75	56,00
1000	55,78	10,74	12,50	63,50
1050	62,30	11,69	13,25	71,50
1100	69,20	12,67	14,00	80,00
1150	76,48	13,68	14,75	89,00
1200	84,14	14,72	15,50	98,50
1250	92,18	15,79	16,25	108,50
1300	100,60	16,89	17,00	119,00
1350	109,40	18,02	17,75	130,00
1400	118,58	19,18	18,50	141,50
1450	128,14	20,37	19,25	153,50
1500	138,08	21,59	20,00	166,00
1550	148,40	22,84	20,75	179,00
1600	159,10	24,12	21,50	192,50
1650	170,18	25,43	22,25	206,50
1700	181,64	26,77	23,00	221,00
1750	193,48	28,14	23,75	236,00
1800	205,70	29,54	24,50	251,50
1850	218,30	30,97	25,25	267,50
1900	231,28	32,43	26,00	284,00
1950	244,64	33,92	26,75	301,00
2000	258,38	35,44	27,50	318,50
2050	272,50	36,99	28,25	336,50
2100	287,00	38,57	29,00	355,00
2150	301,88	40,18	29,75	374,00
2200	317,14	41,82	30,50	393,50
2250	332,78	43,49	31,25	413,50
2300	348,80	45,19	32,00	434,00
2350	365,20	46,92	32,75	455,00
2400	381,98	48,68	33,50	476,50
2450	399,14	50,47	34,25	498,50
2500	416,68	52,29	35,00	521,00
2550	434,60	54,14	35,75	544,00
2600	452,90	56,02	36,50	567,50
2650	471,58	57,93	37,25	591,50
2700	490,64	59,87	38,00	616,00
2750	510,08	61,84	38,75	641,00
2800	529,90	63,84	39,50	666,50
2850	550,10	65,87	40,25	692,50
2900	570,68	67,93	41,00	719,00
2950	591,64	70,02	41,75	746,00
3000	612,98	72,14	42,50	773,50

Profile type IPE80S

Maximal allowable deflection: $L/200$

Properties:

- I_{xx}: 21,2 cm⁴
- I_{yy}: 9,0 cm⁴
- I_{xy}: 8,2 cm⁴
- Weight profile: 56,1 N/m
- Product weight: 528,2 N/m
- Self-weight: 1,7

Load scenario

For quantities please contact your local representative.