

Channels with parallel flanges

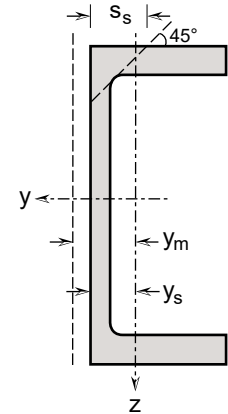
Dimensions: in accordance with EN 10365
Tolerances: EN 10279: 2000

General properties								
Designation		Dimensions					Dimensions for detailing	
	G kg/m	h mm	b mm	t _w mm	t _f mm	A mm ² x10 ²	h _i mm	d mm
UPE 80	7.7	80	50	4	7	9.66	66.0	62.0
UPE 100	9.7	100	55	4.5	7.5	12.09	85.0	81.0
UPE 120	11.9	120	60	5	8	14.82	104.0	100.0
UPE 140	14.3	140	65	5	9	17.82	122.0	118.0
UPE 160	16.9	160	70	5.5	9.5	21.07	141.0	137.0
UPE 180	19.6	180	75	5.5	10.5	24.51	159.0	155.0
UPE 200	22.6	200	80	6	11	28.30	178.0	174.0
UPE 220	26.5	220	85	6.5	12	33.16	196.0	192.0
UPE 240	30.1	240	90	7	12.5	37.57	215.0	211.0
UPE 270	35.1	270	95	7.5	13.5	43.89	243.0	239.0
UPE 300	44.5	300	100	9.5	15	55.67	270.0	266.0
UPE 330	53.1	330	105	11	16	66.40	298.0	294.0
UPE 360	61.2	360	110	12	17	76.54	326.0	322.0
UPE 400	72.4	400	115	13.5	18	90.56	364.0	360.0

* Profiles are laser welded with full penetration, equivalent to hot rolled (r = laser seam).

Stainless steel

Grade according to EN 10088-3: 1D
Surface condition: blasted and pickled



Structural properties

Designation	Strong axis y-y					Weak axis z-z								
	I_y mm ⁴ x10 ⁴	$W_{el.y}$ mm ³ x10 ³	$W_{pl.y}$ mm ³ x10 ³	i_y mm x10	A_{vz} mm ² x10 ²	I_z mm ⁴ x10 ⁴	$W_{el.z}$ mm ³ x10 ³	$W_{pl.z}$ mm ³ x10 ³	i_z mm x10	S_s mm	I_t mm ⁴ x10 ⁴	I_w mm ⁶ x10 ⁹	y_s mm x10	y_m mm x10
UPE 80	103.31	25.83	30.02	3.27	3.08	24.78	7.91	13.58	1.60	12.18	1.28	0.24	1.87	3.73
UPE 100	200.19	40.04	46.43	4.07	4.33	37.54	10.57	18.12	1.76	13.18	1.81	0.56	1.95	3.94
UPE 120	348.89	58.15	67.46	4.85	5.78	54.44	13.72	24.48	1.92	14.18	2.50	1.20	2.03	4.15
UPE 140	579.04	82.72	95.45	5.70	6.75	77.43	18.09	32.14	2.08	15.18	3.62	2.34	2.22	4.57
UPE 160	883.44	110.43	127.66	6.47	8.48	105.48	22.49	40.37	2.24	16.18	4.74	4.18	2.31	4.78
UPE 180	1318.01	146.45	168.51	7.33	9.55	141.98	28.44	50.82	2.41	17.18	6.52	7.16	2.51	5.21
UPE 200	1856.83	185.68	214.15	8.10	11.58	185.21	34.31	61.75	2.56	18.18	8.22	11.57	2.60	5.43
UPE 220	2618.40	238.04	274.92	8.89	13.78	244.13	42.38	76.45	2.71	19.68	11.34	18.44	2.74	5.72
UPE 240	3495.93	291.33	337.20	9.65	16.19	307.84	49.94	90.43	2.86	20.68	13.91	27.76	2.84	5.94
UPE 270	5122.15	379.42	440.09	10.80	19.52	397.74	60.56	109.90	3.01	22.18	18.60	45.54	2.93	6.16
UPE 300	7658.85	510.59	601.10	11.73	27.39	535.09	75.51	136.38	3.10	25.68	29.93	75.46	2.91	6.04
UPE 330	10718.85	649.63	772.24	12.71	34.88	678.56	89.62	161.05	3.20	28.18	41.85	116.30	2.93	6.01
UPE 360	14478.32	804.35	960.80	13.75	41.52	840.92	105.04	188.51	3.31	30.18	54.87	172.40	2.99	6.12
UPE 400	20545.68	1027.28	1238.54	15.06	51.95	1042.47	122.57	219.99	3.39	32.68	75.14	266.30	3.00	6.06