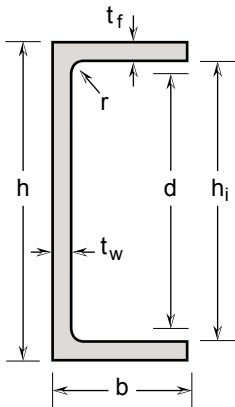


UPA



Miscellaneous channels with parallel flanges

Dimensions: in accordance with DIN 1026-2: 2002-10
Tolerances: EN 10279: 2000

Sonstige U-Profile mit parallelen Flanschen

Abmessungen: gemäß DIN 1026-2: 2002-10
Toleranzen: EN 10279: 2000

Autres fers U à ailes parallèles

Dimensions: conformes à la norme DIN 1026-2: 2002-10
Tolérances: EN 10279: 2000

General properties / Generelle Eigenschaften / Valeurs generaux									
Designation Bezeichnung Désignation	Dimensions Abmessungen Dimensions							Dimensions for detailing Konstruktionsmaße Dimensions de construction	
G kg/m	h mm	b mm	t _w mm	t _f mm	r mm	A mm ² x10 ²	h _i mm	d mm	
UPA 50x25x3	2.3	50	25	3	3	3	2.86	44.00	38.00
UPA 60x30x5	4.5	60	30	5	5	5	5.61	50.00	40.00
UPA 80x40x4	4.9	80	40	4	4	2 +	6.10	72.00	68.00
UPA 80x40x5	6.0	80	40	5	5	6 / 2 *	7.52	70.00	66.00
UPA 80x40x6	7.1	80	40	6	6	6 / 2 *	8.90	68.00	64.00
UPA 100x50x4	6.2	100	50	4	4	6 / 2 *	7.70	92.00	88.00
UPA 100x50x5	7.6	100	50	5	5	6 / 2 *	9.52	90.00	86.00
UPA 100x50x6	9.0	100	50	6	6	6 / 2 *	11.30	88.00	84.00
UPA 120x60x5	9.2	120	60	5	5	5 / 2 *	11.52	110.00	106.00
UPA 120x60x6	11.0	120	60	6	6	6 / 2 *	13.70	108.00	104.00
UPA 130x65x6	11.9	130	65	6	6	6 / 2 *	14.90	118.00	114.00
UPA 130x65x9	17.4	130	65	9	9	9 / 2 *	21.80	112.00	108.00
UPA 140x70x7	14.9	140	70	7	7	7 / 2 *	18.64	126	122.00
UPA 150x75x6	13.8	150	75	6	6	6 / 2 *	17.3	138	134.00
UPA 150x75x9	20.3	150	75	9	9	9 / 2 *	25.4	132	128.00
UPA 160x80x6	14.8	160	80	6	6	6 / 2 *	18.5	148	144.00
UPA 160x80x8	19.5	160	80	8	8	8 / 2 *	24.34	144	140.00
UPA 180x90x8	22	180	90	8	8	2 +	27.54	164	160.00
UPA 200x100x8	24.6	200	100	8	8	2 +	30.74	184	180
UPA 200x100x10	30.4	200	100	10	10	2 +	38.02	180	176

Profiles are * also available or + only available as laser fused with full penetration, non tapered, equivalent to hot rolled (r = laser seam).
Profile sind * auch bzw. + nur Lasergeschweisst mit Vollenbindung erhältlich, ohne Konizität, gleichwertig zu warm gewalzt (r = Laser Naht).
Profils sont disponibles * aussi ou + seulement soudé laser avec pénétration complète, non conique, équivalent au laminé à chaud (r = cordon laser).

Stainless steel

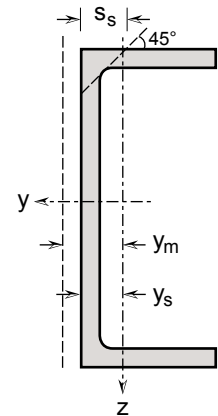
Grade according to EN 10088-3: 1D
Surface condition: blasted and pickled

Edelstahl Rostfrei

Güte nach EN 10088-3: 1D
Oberflächenbeschaffenheit: gestrahlt und gebeizt

Acier inoxydable

Nuance selon EN 10088-3: 1D
Etat de surface: sablé et décapé



Structural properties / Statische Kennwerte / Valeurs statiques

Designation Bezeichnung Désignation	Strong axis y-y Starke Achse y-y Axe fort y-y					Weak axis z-z Schwache Achse z-z Axe faible z-z								
	I_y	$W_{el,y}$	$W_{pl,y}$	i_y	A_{vz}	I_z	$W_{el,z}$	$W_{pl,z}$	i_z	S_s	I_t	I_w	y_s	y_m
	mm ⁴ x10 ⁴	mm ³ x10 ³	mm ³ x10 ³	mm x10	mm ² x10 ²	mm ⁴ x10 ⁴	mm ³ x10 ³	mm ³ x10 ³	mm x10	mm	mm ⁴ x10 ⁴	mm ⁶ x10 ⁹	mm x10	mm x10
UPA 50x25x3	10.60	4.24	5.14	1.93	1.54	1.65	0.93	1.68	0.76	7.77	0.12	0.00	0.73	1.43
UPA 60x30x5	28.59	9.53	11.89	2.26	3.11	4.46	2.15	3.86	0.89	12.96	0.72	0.02	0.93	1.66
UPA 80x40x4	58.91	14.73	17.47	3.11	3.14	9.22	3.23	5.82	1.23	9.18	0.36	0.09	1.15	2.36
UPA 80x40x5	70.83	17.71	21.24	3.07	3.87	11.13	3.95	7.12	1.22	11.18	0.70	0.11	1.18	2.32
UPA 80x40x6	81.77	20.44	24.81	3.03	4.58	12.90	4.64	8.36	1.20	13.18	1.20	0.12	1.22	2.28
UPA 100x50x4	118.53	23.71	27.82	3.92	3.94	18.53	5.14	9.26	1.55	9.18	0.45	0.30	1.40	2.98
UPA 100x50x5	143.63	28.73	34.03	3.88	4.87	22.51	6.31	11.37	1.54	11.18	0.87	0.35	1.43	2.95
UPA 100x50x6	167.12	33.42	39.97	3.85	5.78	26.26	7.44	13.40	1.52	13.18	1.49	0.40	1.47	2.91
UPA 120x60x5	254.47	42.41	49.81	4.70	5.87	39.83	9.23	16.62	1.86	11.18	1.03	0.92	1.68	3.58
UPA 120x60x6	297.62	49.60	58.72	4.66	6.98	46.67	10.90	19.65	1.85	13.18	1.77	1.05	1.72	3.54
UPA 130x65x6	382.81	58.89	69.45	5.07	7.58	59.99	12.89	23.22	2.01	13.18	1.92	1.60	1.84	3.86
UPA 130x65x9	534.94	82.30	99.20	4.95	11.09	84.34	18.55	33.44	1.97	19.18	6.36	2.13	1.95	3.75
UPA 140x70x7	551.14	78.73	93.17	5.44	9.47	86.45	17.31	31.20	2.15	15.18	3.25	2.66	2.01	4.13
UPA 150x75x6	599.04	79.87	93.6	5.88	8.78	93.78	17.35	31.26	2.33	13.18	2.21	3.39	2.10	4.48
UPA 150x75x9	845.13	112.68	134.6	5.77	12.89	132.91	25.1	45.24	2.29	19.18	7.33	4.57	2.20	4.38
UPA 160x80x6	732.49	91.56	107.03	6.29	9.38	114.64	19.84	35.73	2.49	13.18	2.35	4.74	2.22	4.79
UPA 160x80x8	939.96	117.49	139	6.21	12.34	147.48	25.84	46.57	2.46	17.18	5.51	5.92	2.29	4.73
UPA 180x90x8	1361	151.22	177.91	7.03	13.94	213.33	33.04	59.53	2.78	17.18	6.20	10.98	2.54	5.35
UPA 200x100x8	1892.15	189.22	221.63	7.85	15.54	296.38	41.13	74.09	3.11	17.18	6.88	19.03	2.79	5.98
UPA 200x100x10	2294.04	229.4	271.31	7.77	19.22	360.04	50.48	90.95	3.08	21.18	13.34	22.57	2.87	5.91