

UPA

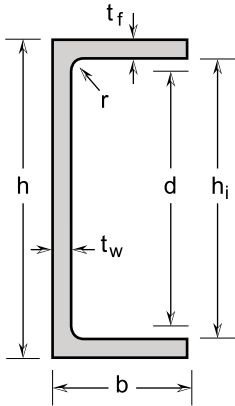
گروپی چیوه



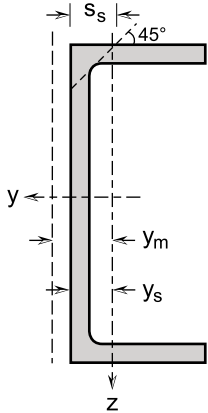
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Designation		Dimensions						Dimensions for detailing	
	G kg/m	h mm	b mm	t _w mm	t _f mm	r mm	A mm ² x10 ²	h _i mm	d mm
UPA 50x25x3	2.3	50	25	3	3	3	2.86	44.00	38.00
UPA 60x30x5	4.5	60	30	5	5	5	5.61	50.00	40.00
UPA 80x40x4	4.9	80	40	4	4	2 ⁺	6.10	72.00	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	126.0	122.00
UPA 150x75x6	13.8	150	75	6	6	6 / 2 *	17.30	138.0	134.00
UPA 150x75x9	20.3	150	75	9	9	9 / 2 *	25.40	132.0	128.00
UPA 160x80x6	14.8	160	80	6	6	6 / 2 *	18.50	148.0	144.00
UPA 160x80x8	19.5	160	80	8	8	8 / 2 *	24.34	144.0	140.00
UPA 180x90x8	22.0	180	90	8	8	2 ⁺	27.54	164.0	160.00
UPA 200x100x8	24.6	200	100	8	8	2 ⁺	30.74	184.0	180.0
UPA 200x100x10	30.4	200	100	10	10	2 ⁺	38.02	180.0	176.0



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
UPA 50x25x3	10.60	4.24	5.14	1.93	1.54	1.65	0.93	1.05	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	2.64	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	3.50	1.23	9.18	0.36	0.06	1.15	2.36
UPA 80x40x5	70.83	17.71	21.24	3.07	3.87	11.13	3.95	4.45	1.22	11.18	0.70	0.08	1.18	2.32
UPA 80x40x6	81.77	20.44	24.81	3.03	4.58	12.90	4.64	5.42	1.20	13.18	1.20	0.09	1.22	2.28
UPA 100x50x4	118.53	23.71	27.82	3.92	3.94	18.53	5.14	5.38	1.55	9.18	0.45	0.19	1.40	2.98
UPA 100x50x5	143.63	28.73	34.03	3.88	4.87	22.51	6.31	6.82	1.54	11.18	0.87	0.24	1.43	2.95
UPA 100x50x6	167.12	33.42	39.97	3.85	5.78	26.26	7.44	8.30	1.52	13.18	1.49	0.28	1.47	2.91
UPA 120x60x5	254.47	42.41	49.81	4.70	5.87	39.83	9.23	9.70	1.86	11.18	1.03	0.60	1.68	3.58
UPA 120x60x6	297.62	49.60	58.72	4.66	6.98	46.67	10.90	11.78	1.85	13.18	1.77	0.70	1.72	3.54
UPA 130x65x6	382.81	58.89	69.45	5.07	7.58	59.99	12.89	13.75	2.01	13.18	1.92	1.06	1.84	3.86
UPA 130x65x9	534.94	82.30	99.20	4.95	11.09	84.34	18.55	21.30	1.97	19.18	6.36	1.51	1.95	3.75
UPA 140x70x7	551.14	78.73	93.17	5.44	9.47	86.45	17.31	18.71	2.15	15.18	3.25	1.77	2.01	4.13
UPA 150x75x6	599.04	79.87	93.60	5.88	8.78	93.78	17.35	18.13	2.33	13.18	2.21	2.19	2.10	4.48
UPA 150x75x9	845.13	112.68	134.60	5.77	12.89	132.91	25.10	28.00	2.29	19.18	7.33	3.15	2.20	4.38
UPA 160x80x6	732.49	91.56	107.03	6.29	9.38	114.64	19.84	20.54	2.49	13.18	2.35	3.04	2.22	4.79
UPA 160x80x8	939.96	117.49	139.00	6.21	12.34	147.48	25.84	27.92	2.46	17.18	5.51	3.94	2.29	4.73
UPA 180x90x8	1361.00	151.22	177.91	7.03	13.94	213.33	33.04	35.04	2.78	17.18	6.20	7.19	2.54	5.35
UPA 200x100x8	1892.15	189.22	221.63	7.85	15.54	296.38	41.13	42.96	3.11	17.18	6.88	12.29	2.79	5.98
UPA 200x100x10	2294.04	229.40	271.31	7.77	19.22	360.04	50.48	54.52	3.08	21.18	13.34	15.04	2.87	5.91