



4.UPN

Production Standarts

- TS910
- DN 1026
- EN10279
- ASTM A6

Materials :

- ST37-2 / ST44-2 / ST52-3
- S235 JR-S235J0-S235J2 / S275JR-S275J0-S275J2 / S355 JR-S355J0-S355 J2
- ASTM A 36 / ASTM A 529 GR. 50
- ASTM A 529 GR. 55 / ASTM A 572 GR. 42 ASTM A 572 GR. 50

Dimensions :

UPN40-UPN300

DESIGNATION	DIMENSIONS							CROSS SECTION	STATIC PARAMETERS											
	G	h	b	tw	tf	r1	r2		Y-Y AXIS					Z-Z AXIS						
DIM	kg/m	mm	mm	mm	mm	mm	mm	A	d	emin	emax	ly	Wel.y	Wpl.y	iy	Avz	Iz	Wel.z	Wpl.z	iz
								cm ²	mm	mm	mm	cm ⁴	cm ³	cm ³	cm	cm ²	cm ⁴	cm ³	cm ³	cm
UPN 40x20	2.87	40	20	5	5.5	5	2	3.66	18.8	-	-	7.58	3.79	4.69	1.44	1.71	1.14	0.86	1.65	0.56
UPN 50x25	3.86	50	25	5	6	6	2.5	4.92	25.7	-	-	16.8	6.73	8.52	1.85	2.52	2.49	1.48	2.84	0.71
UPN 50x38	5.59	50	38	5	7	7	3.5	7.12	25.7	-	-	26.4	10.6	13.1	2.21	2.77	9.12	3.75	6.78	1.13
UPN 65	7.09	65	42	5.5	7.5	7.5	4	9.03	33.7	-	-	57.5	17.7	21.7	2.52	3.68	14.1	5.07	9.38	1.25
UPN 80	8.64	80	45	6	8	8	4	11	47	-	-	106	26.5	32.3	3.1	4.9	19.4	6.36	11.9	1.33
UPN 100	10.6	100	50	6	8.5	8.5	4.5	13.5	64	-	-	206	41.2	49	3.91	6.46	29.3	8.49	16.2	1.47
UPN 120	13.4	120	55	7	9	9	4.5	17	82	-	-	364	60.7	72.6	4.62	8.8	43.2	11.1	21.2	1.59
UPN 140	16	140	60	7	10	10	5	20.4	98	33	37	605	86.4	103	5.45	10.41	62.7	14.8	28.3	1.75
UPN 160	18.8	160	65	7.5	10.5	10.5	5.5	24	115	34	42	925	116	138	6.21	12.6	85.3	18.3	35.2	1.89
UPN 180	22	180	70	8	11	11	5.5	28	133	38	41	1350	150	179	6.95	15.09	114	22.4	42.9	2.02
UPN 200	25.3	200	75	8.5	11.5	11.5	6	32.2	151	39	46	1910	191	228	7.7	17.71	148	27	51.8	2.14
UPN 220	29.4	220	80	9	12.5	12.5	6.5	37.4	167	40	51	2690	245	292	8.48	20.62	197	33.6	64.1	2.3
UPN 240	33.2	240	85	9.5	13	13	6.5	42.3	184	46	50	3600	300	358	9.22	23.71	248	39.6	75.7	2.42
UPN 260	37.9	260	90	10	14	14	7	48.3	200	50	52	4820	371	442	9.99	27.12	317	47.7	91.6	2.56
UPN 280	41.8	280	95	10	15	15	7.5	53.3	216	52	57	6280	448	532	10.9	29.28	399	57.2	109	2.74
UPN 300	46.2	300	100	10	16	16	8	58.8	232	55	59	8030	535	632	11.7	31.77	495	67.8	130	2.9