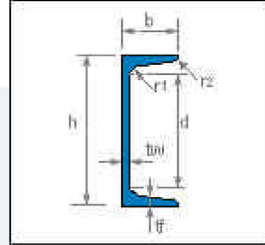


PERFILES UPN



UPN	GAMA DE FABRICACIÓN MASAS (Kg/m.)							
	Dimensiones (mm.)						Sección (cm ²)	Peso (kg/m.)
	h	b	tw	tf=r1	r2	d		
80	80,0	45,0	6,0	8,0	4,0	46,0	11,0	8,64
100	100,0	50,0	6,0	8,5	4,5	64,0	13,5	10,60
120	120,0	55,0	7,0	9,0	4,5	82,0	17,0	13,30
140	140,0	60,0	7,0	10,0	5,0	98,0	20,4	16,00
160	160,0	65,0	7,5	10,5	5,5	115,0	24,0	18,80
180	180,0	70,0	8,0	11,0	5,5	133,0	28,0	22,00
200	200,0	75,0	8,5	11,5	6,0	151,0	32,2	25,30
220	220,0	80,0	9,0	12,5	6,5	167,0	37,4	29,40
240	240,0	85,0	9,5	13,0	6,5	184,0	42,3	33,20
260	260,0	90,0	10,0	14,0	7,0	200,0	48,3	37,90
280	280,0	95,0	10,0	15,0	7,5	216,0	53,3	41,80
300	300,0	100,0	10,0	16,0	8,0	232,0	58,8	46,20
320	320,0	100,0	14,0	17,5	8,8	246,0	75,8	59,50
350	350,0	100,0	14,0	16,0	8,0	282,0	77,3	60,70
380	380,0	102,0	13,5	16,0	8,0	313,0	80,4	63,10
400	400,0	110,0	14,0	18,0	9,0	324,0	91,5	71,80

GAMA DE FABRICACIÓN DEFINICIONES DEL MATERIAL			
Norma	Tipo y Grado	Norma	Tipo y Grado
UNE-EN 10025-94	S-235 JR *	UNE-EN 10025-94	S-355 JR *
UNE-EN 10025-94	S-235 JRG2 *	UNE-EN 10025-94	S-355 JO *
UNE-EN 10025-94	S-235 JO *	UNE-EN 10025-94	S-355 J2G3 *
UNE-EN 10025-94	S-275 JR *	DIN 17100-80	St 37.2
UNE-EN 10025-94	S-275 JO *	DIN 17100-80	St 52.3

* Tienen la marca AENOR

NORMAS PERFILES UPN	
Dimensiones	Tolerancias
UNE-36522-72	UNE-36522-72