SIDERÚRGICA
BALBOA

PRODUCT CATALOG

At **Siderúrgica Balboa**, we are a reference in the steel and metallurgical sector in Spain and Europe, producing long steel products.
We are part of **CL Grupo Industrial**, a 100% Spanish holding in constant expansion that allows us to be a competitive company at an international level.

SIDERÚRGICA
BALBOA

We have one of the most modern and efficient facilities in Europe.
Our plant, covering more than 120,000 m², includes a scrap yard, a steel mill, and two rolling mills, allowing us to have an annual production capacity of 1.2 million tons.

INDEX

1 **PRODUCT**
- BEAMS
- SPOOLER
- WIRE ROD

2 **ENVIROMENT**

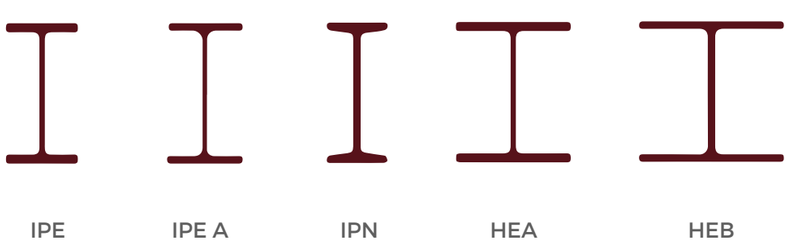
3 **SUSTAINABILITY**

BEAMS

We manufacture a wide range of structural beams in different grades, in accordance with product standards and necessary quality certifications.

RANGE

European Beam



IPE IPE A IPN HEA HEB

UPN UB UC PFC

American Beam

W S

QUALITIES

European Beam:

Standar	UNE-EN 10025-2			UNE-EN 10025-5	UNE-EN 10025-2
Grades	S235JR	S275JR	S355JR	S355J0W	S460JR
	S235J0	S275J0	S355J0		
	S235J2	S275J2	S355J2	S355J2W	
			S355K2		

**For the manufacture of other grades, please consult*

American Beam:

Standar - Grades			
A36 Grade 36	A992 Grade 50*	A572 Grade 50	A572 Grade 50

**For the manufacture of other grades, please consult*

BEAMS

Our products comply with reference standards and are made with an optimized chemical composition to offer maximum strength and durability.

CHEMICAL COMPOSITION

Our structural beams are manufactured under reference standards, with a carefully selected chemical composition to ensure maximum strength and durability in demanding applications. Each element is meticulously selected to optimize the mechanical properties of the steel, ensuring excellent weldability, toughness, and load capacity, meeting the highest standards of quality and safety in each project.

Standars - Grades	C Máx. %	Mn %	S Máx. %	P Máx. %	Si %	Cu %	Ni %	Cr %	Mo %	Nb %	V %
ASTM A36 - Grade 36	0,26	a	0,05	0,04	≤ 0,40 [a]						
ASTM A992 - Grade 50 b	0,23	0,50-1,60	0,045	0,035	≤ 0,40	≤ 0,60	≤ 0,45	≤ 0,35	≤ 0,15	≤ 0,5	≤ 0,15
ASTM A572 - Grade 50	0,23	≤ 1,35 [c]	0,05	0,04	≤ 0,40						
ASTM A572 - Grade 65	0,26	≤1,35 [c]	0,05	0,04	≤ 0,40						

a = The manganese content shall be 0.85 -1.35% and the silicon content 0.15 -0.40% for beams with flanges thicker than 75 mm.
b = Maximum carbon equivalent = 0.47% for flange thicknesses greater than 50 mm and 0.45% for the others.
c = For each reduction of 0.01% below the specified maximum carbon content, an increase of 0.06% in the maximum manganese content is permitted, up to a maximum of 1.60%.

Standars - Grades		C. max. % Nominal thickness (mm) ≤ 16	C. max. % Nominal thickness (mm) > 16 ≤ 40	C. max. % Nominal thickness (mm) > 40	Si % máx.	Mn % máx.	P % máx.	S % máx.	N % máx.	Cu % máx.	Otro % máx.	CEV max. % Nominal thickness (mm) ≤ 30	CEV max. % Nominal thickness (mm) > 30 ≤ 40	CEV max. % Nominal thickness (mm) > 40 ≤ 150
UNE-EN 10025-2	S235JR	0,17	0,17	0,20	-	1,40	0,040	0,040	0,012	0,55	b	0,35	0,35	0,38
	S235J0	0,17	0,17	0,17	-	1,40	0,035	0,035	0,012	0,55	b			
	S235J2	0,17	0,17	0,17	-	1,40	0,030	0,030	-	0,55	b			
	S275JR	0,21	0,21	0,22	-	1,50	0,040	0,040	0,012	0,55	b	0,40	0,40	0,42
	S275J0	0,18	0,18	0,18[d]	-	1,50	0,035	0,035	0,012	0,55	b			
	S275J2	0,18	0,18	0,18[d]	-	1,50	0,030	0,030	-	0,55	b			
	S355JR	0,24	0,24	0,24	0,55	1,60	0,040	0,040	0,012	0,55	b	0,45	0,47	0,47
	S355J0	0,20	0,20[c]	0,22	0,55	1,60	0,035	0,035	0,012	0,55	b			
	S355J2	0,20	0,20[c]	0,22	0,55	1,60	0,030	0,030	-	0,55	b			
	S355K2	0,20	0,20[c]	0,22	0,55	1,60	0,030	0,030	-	0,55	b			
	S460JR	0,20	0,20[c]	0,22	0,55	1,70	0,035	0,035	0,035	0,55	b,e	0,47	0,49	0,49
UNE-EN 10025-5	S355J0W	0,16			0,50	0,50-1,50	0,040	0,040	0,040	0,25-0,55	f,g	0,52		
	S355J2W	0,16			0,50	0,50-1,50	0,035	0,035	-	0,25-0,55	f,g,h	0,52		

a = The maximum value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0.020%, or alt ernatively, a minimum of 0.015% of acid -soluble Al or if other nitrogen-fixing elements are present in sufficient quantities . In this case, the nitrogen-fixing elements must be mentioned in the inspection document.
b = For Ni, Cr, and Mo elements, the maximum value (%) is limited to Ni = 0.42; Cr = 0.29; Mo = 0.11.
c = For nominal thicknesses > 30 mm: C = 0.22% maximum.
d = For nominal thicknesses > 150 mm: C = 0.20% maximum.
e = Steel may contain a maximum Nb content of 0.05%, a maximum V content of 0.13%, and a maximum Ti content of 0.05%.
f = Maximum contents of Ni = 0.65%, Mo = 0.30%, Zr = 0.15%.
g = Chromes contents are Cr = 0.40 -0.80%, which can be reduced to 0.37% if the minimum chemical composition of Si = 0.15%.
h = Steels containing at least one of the following nitrogen-fixing elements: Al≥0.020% / Nb: 0.015-0.060% / V: 0.020 -0.120% / T i: 0.020 -0.100%. If these elements are used in combination, at least one of them must be present with the indicated minimum content.

BEAMS

We comply with industry standards; our products guarantee superior performance in any project, regardless of shape or application.

MECHANICAL PROPERTIES

With an optimal combination of tensile strength, yield strength, and elongation, our beams offer a reliable and durable solution for every project governed by industry standards. These mechanical properties apply to all products regardless of their shape.

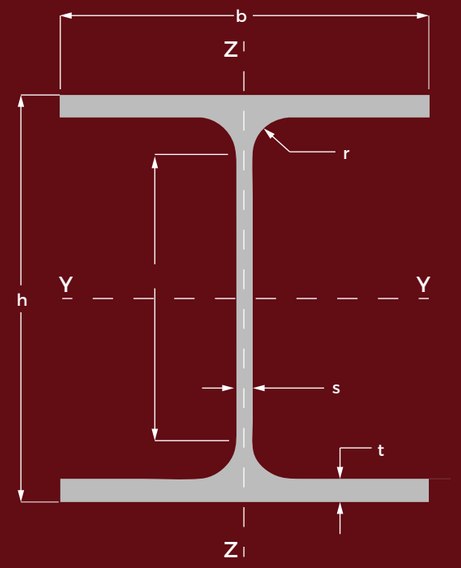
Standar	UNE-EN 10025-2						UNE-EN 10025-5		UNE-EN 10025-2	
Grades	S235JR / S235J0 / S235J2		S275JR / S275J0 / S275J2		S355JR / S355J0 / S355J2 / S355K2		S355J0W / S355J2W		S460JR	
Re[a] (MPa)	e≤ 16	16<e≤ 40	e≤ 16	16<e≤ 40	e≤ 16	16<e≤ 40	e≤ 16	16<e≤ 40	e≤ 16	16<e≤ 40
	Mín.	Mín.	Mín.	Mín.	Mín.	Mín.	Mín.	Mín.	Mín.	Mín.
	235	225	275	265	355	345	355	345	460	440
Rm (MPa)	Mín.	Max.	Mín.	Max.	Mín.	Max.	Mín.	Max.	Mín.	Max.
	360	510	410	560	470	630	470	630	550	720
Alargam (MPa)	Mín.		Mín.		Mín.		Mín.		Mín.	
	26		23		22		22		17	
Charpy (J)	Mín. a 20°C	Mín. a 0°C(J0)	Mín. a -20°C(J2)	Mín. a 20°C	Mín. a 0°C(J0)	Mín. a -20°C(J2)	Mín. a 20°C	Mín. a 0°C (J0)	Mín. a -20°C (J2)	Mín. a -20°C (K2)b	Mín. a 0°C(J0W)	Mín. a -20°C
	27	27	27	27	27	27	27	27	27	40	27	27

a: e = thickness. The indicated range of thicknesses only applies to Yield Strength.
b: Equivalent energy of 27J at -30° C.
Re = Yield Strength .
Rm = Tensile Strength .
Alarg = Percentage of elongation after fracture.
Charpy = Charpy test to measure impact bending energy .

Standar - Grades	A36 Grade 36		A992 Grade 50*		A572 Grade 50		A572 Grade 65	
Re	Mín.		Mín.	Máx.	Mín.		Mín.	
(Mpa)	250		345	450	345		450	
Rm(Mpa)	Mín.	Máx.	Mín.		Mín.		Mín.	
	400	550	450		450		550	
Alargam (%)	A_2	A_8	A_2	A_8	A_2	A_8	A_2	A_8
	21	20	21	18	21	18	17	15

**Rm/Re min = 1.18*
Re = Yield Strength
Rm = Tensile Strength
Alarg = Percentage of elongation after fracture
Charpy = Charpy test to measure impact bending energy

BEAMS
IPE / IPE A



APPLICABLE STANDARDS

- Dimensions

UNE 36526:2018: Steel products. I-beams with parallel flanges (IPE) of hot-rolled steel. Dimensions and masses.

UNE-EN 10365:2018: U, I, and H beams of hot-rolled steel. Dimensions and masses.

UNE-EN 10034:1994: I and H beams of structural steel. Dimensional and shape tolerances.

- Steel Quality

UNE-EN 10025-1:2006 Hot-rolled products of structural steels.
Part 1: General technical delivery conditions.

UNE-EN 10025-2:2020 Hot-rolled products of structural steels.
Part 2: Technical delivery conditions for non-alloy structural steels.

UNE-EN 10025-5:2020 UNE-EN 10025-5:2020 Hot-rolled products of structural steels.
Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance.

- Surface Condition

UNE-EN 10163-3: 2007 Delivery conditions for surface finish of hot-rolled sheet, wide flats, and steel beams.
Part 3: Beams. (Default class C - subclass 1)

- Manufactured Grades

S235JR | S235J0 | S235J2 | S275JR | S275J0 | S275J2 | S355JR | S355J0 | S355J2 | S355K2 | S355J0W | S355J2W

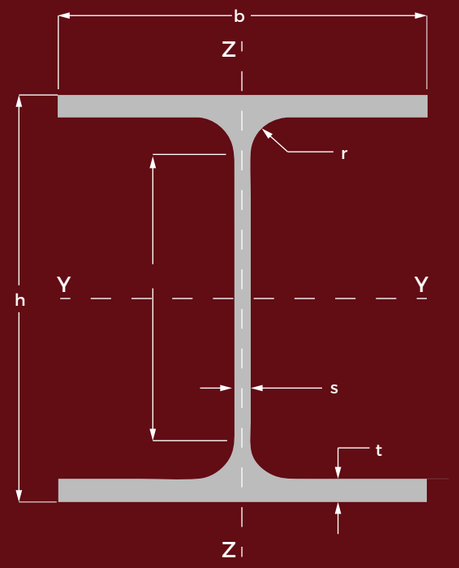
**For the manufacture of other grades, please consult*

Désignation	Dimension mm					A mm²	G Kg/m
	h	b	s	t	r		
IPE AA 80	78,0	46,0	3,2	4,2	5,0	6,3	4,9
IPE A 80	80,0	46,0	3,3	4,2	5,0	6,4	5,0
IPE 80	80,0	46,0	3,8	5,2	5,0	7,6	6,0
IPE AA 100	97,6	55,0	3,6	4,5	7,0	8,6	6,7
IPE A 100	98,0	55,0	3,6	4,7	7,0	8,8	6,9
IPE 100	100,0	55,0	4,1	5,7	7,0	10,3	8,1
IPE AA 120	117,0	64,0	3,8	4,8	7,0	10,7	8,4
IPE A 120	117,6	64,0	3,8	5,1	7,0	11,0	8,7
IPE 120	120,0	64,0	4,4	6,3	7,0	13,2	10,4
IPE AA 140	136,6	73,0	3,8	5,2	7,0	12,8	10,1
IPE A 140	137.4	73,0	3,8	5,6	7,0	13,4	10,5
IPE 140	140,0	73,0	4,7	6,9	7,0	16,4	12,9
IPE AA 160	156,4	82,0	4,0	5,6	9,0	15,7	12,3
IPE A 160	157,0	82,0	4,0	5,9	9,0	16,2	12,7
IPE 160	160,0	82,0	5,0	7,4	9,0	20,1	15,8
IPE AA 180	176,4	91,0	4,3	6,2	9,0	19,0	14,9
IPE A 180	177,0	91,0	4,3	6,5	9,0	19,6	15,4
IPE 180	180,0	91,0	5,3	8,0	9,0	23,9	18,8

h :Total nominal height
b :Flange width
s :Web thickness
t : Flange thickness at mid -width, measured at a distance b/ 4 fromtheend

r :Internal radius
A : Cross-sectional area
G :Mass permeter

BEAMS
IPE / IPE A



Designation	Dimensions mm					A mm²	G Kg/m
	h	b	s	t	r		
IPE AA 200	196,4	100,0	4,5	6,7	12,0	22,9	18,0
IPE A 200	197,0	100,0	4,5	7,0	12,0	23,5	18,4
IPE 200	200,0	100,0	5,6	8,5	12,0	28,5	22,4
IPE AA 220	216,0	110,0	4,7	7,4	12,0	27,0	21,2
IPE A 220	217,0	110,0	5,0	7,7	12,0	28,3	22,2
IPE 220	220,0	110,0	5,9	9,2	12,0	33,4	26,2
IPE AA 240	236,4	120,0	4,8	8,0	15,0	31,7	24,9
IPE A 240	237,0	120,0	5,2	8,3	15,0	33,3	26,2
IPE 240	240,0	120,0	6,2	9,8	15,0	39,1	30,7
IPE A 270	267,0	135,0	5,5	8,7	15,0	39,2	30,7
IPE 270	270,0	135,0	6,6	10,2	15,0	45,9	36,1
IPE A 300	297,0	150,0	6,1	9,2	15,0	46,5	36,5
IPE 300	300,0	150,0	7,1	10,7	15,0	53,8	42,2
IPE A 330	327,0	160,0	6,5	10,0	18,0	54,7	43,0
IPE 330	330,0	160,0	7,5	11,5	18,0	62,6	49,1
IPE A 360	357,6	170,0	6,6	11,5	18,0	64,0	50,2
IPE 360	360,0	170,0	8,0	12,7	18,0	72,7	57,1
IPE A 400	397,0	180,0	7,0	12,0	21,0	73,1	57,4
IPE 400	400,0	180,0	8,6	13,5	21,0	84,5	66,3

h :Total nominal heigh
b :Flange width
s :Web thickness
t : Flange thickness at mid -width, measured at a distance
b/ 4 from the end

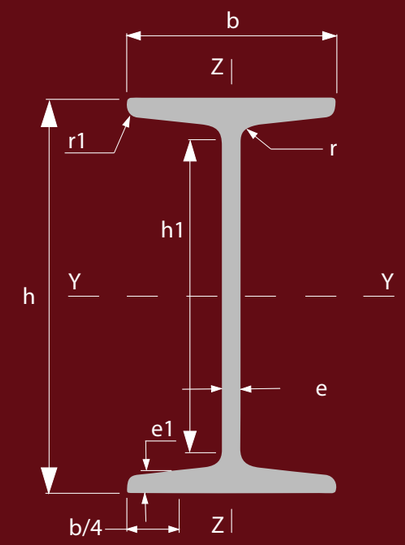
r :Internal radius
A :Cross-sectional area
G :Mass per meter

Designation	Dimensions mm					A mm²	G Kg/m
	h	b	s	t	r		
IPE A 450	447,0	190,0	7,6	13,1	21,0	85,6	67,2
IPE 450	450,0	190,0	9,4	14,6	21,0	98,8	77,6
IPE A 500	497,0	200,0	8,4	14,5	21,0	101,1	79,4
IPE 500	500,0	200,0	10,2	16,0	21,0	115,5	90,7
IPE A 550	547,0	210,0	9,0	15,7	24,0	117,3	92,1
IPE 550	550,0	210,0	11,1	17,2	24,0	134,4	106,0
IPE A 600	597,0	220,0	9,8	17,5	24,0	137,0	108,0
IPE 600	600,0	220,0	12,0	19,0	24,0	156,7	122,0

h :Total nominal heigh
b :Flange width
s :Web thickness
t : Flange thickness at mid -width, measuredat a distance
b/ 4 fromtheend

r :Internal radius
A : Cross-sectional area
G :Mass permeter

BEAMS IPN



APPLICABLE STANDARDS

- Dimensions

UNE 36526:2018: Steel products. I-beams with sloped flanges (IPN) of hot-rolled steel. Dimensions and masses.

UNE-EN 10365:2018: U, I, and H beams of hot-rolled steel. Dimensions and masses.

UNE-EN 10024:1995: Hot-rolled steel products. I-section with sloped flanges. Dimensional and shape tolerances.

- Steel Quality

UNE-EN 10025-1:2006 Hot-rolled products of structural steels.
Part 1: General technical delivery conditions.

UNE-EN 10025-2:2020 Hot-rolled products of structural steels.
Part 2: Technical delivery conditions for non-alloy structural steels.

UNE-EN 10025-5:2020 Hot-rolled products of structural steels.
Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance.

- Surface Condition

UNE-EN 10163-3: 2007 Delivery conditions for surface finish of hot-rolled sheet, wide flats, and steel beams.
Part 3: Beams. (Default class C - subclass 1)

- Manufactures Grades

S235JR | S235J0 | S235J2 | S275JR | S275J0 | S275J2 | S355JR | S355J0 | S355J2 | S355K2 | S355J0W | S355J2W

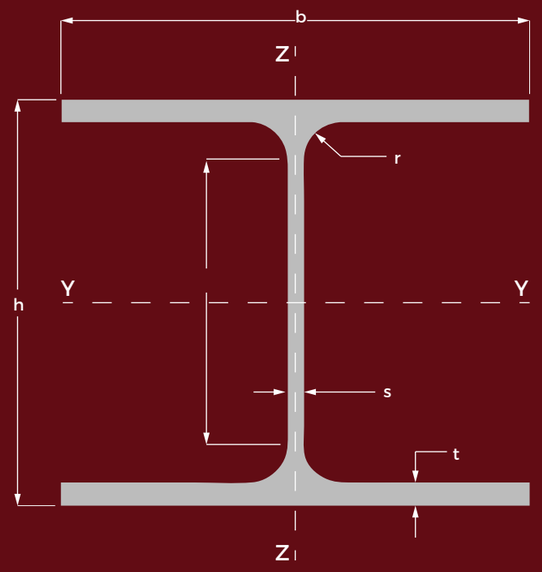
**For the manufacture of other grades, please consult*

Designation	Dimensions mm							A mm²	G Kg/m
	h	b	e	e1	r	r_1	h_1		
IPN 80	80,0	42,0	3,9	5,9	3,9	2,3	59	7,6	5,9
IPN 100	100,0	50,0	4,5	6,8	4,5	2,7	75	10,6	8,3
IPN 120	120,0	58,0	5,1	7,7	5,1	3,1	92	14,2	11,1
IPN 140	140,0	66,0	5,7	8,6	5,7	3,4	109	18,2	14,3
IPN 160	160,0	74,0	6,3	9,5	6,3	3,8	125	22,8	17,9
IPN 180	180,0	82,0	6,9	10,4	6,9	4,1	142	27,9	21,9
IPN 200	200,0	90,0	7,5	11,3	7,5	4,5	159	33,4	26,2
IPN 220	220,0	98,0	8,1	12,2	8,1	4,9	175	39,5	31,1
IPN 240	240,0	106,0	8,7	13,1	8,7	5,2	192	46,1	36,2
IPN 260	260,0	113,0	9,4	14,1	9,4	5,6	208	53,3	41,9
IPN 280	280,0	119,0	10,1	15,2	10,1	6,1	225	61,0	47,9
IPN 300	300,0	125,0	10,8	16,2	10,8	6,5	241	69,0	54,2
IPN 320	320,0	131,0	11,5	17,3	11,5	6,9	257	77,7	61,0
IPN 340	340,0	137,0	12,0	18,3	12,2	7,3	274	86,7	68,0
IPN 360	360,0	143,0	13,0	19,5	13,0	7,8	290	97,0	76,1
IPN 380	380,0	149,0	13,7	20,5	13,7	8,2	306	107,0	84,0
IPN 400	400,0	155,0	14,4	21,6	14,4	8,6	323	117,7	92,4
IPN 450	450,0	170,0	16,2	24,3	16,2	9,7	363	146,6	115
IPN 500	500,0	185,0	18,0	27,0	18,0	10,8	404	179,4	141

h :Total nominal height
h 1 :Length of the straight part of the web
b :Flange width
e :Web thickness
e 1 :Flange thickness measured at a distance b/ 4from the end

r: Radio interno
r1: Radio del redondeado del ala
A: Área de la sección recta transversal
G: Masa por metro

BEAMS HE



APPLICABLE STANDARDS

Dimensions

UNE 36524:2018: Steel products. HE beams with wide flanges and parallel surfaces of hot-rolled steel. Dimensions and masses.

UNE-EN 10365:2018: U, I, and H beams of hot-rolled steel. Dimensions and masses.

UNE-EN 10034:1994: I and H beams of structural steel. Dimensional and shape tolerances.

- Steel Quality

UNE-EN 10025-1:2006 Hot-rolled products of structural steels.
Part 1: General technical delivery conditions.

UNE-EN 10025-2:2020 Hot-rolled products of structural steels.
Part 2: Technical delivery conditions for non-alloy structural steels.

UNE-EN 10025-5:2020 Hot-rolled products of structural steels.
Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance.

- Surface Condition

UNE-EN 10163-3: 2007 Delivery conditions for surface finish of hot-rolled sheet, wide flats, and steel beams.
Part 3: Beams. (Default class C - subclass 1)

- Manufactured Grades

S235JR | S235J0 | S235J2 | S275JR | S275J0 | S275J2 | S355JR | S355J0 | S355J2 | S355K2 | S355J0W | S355J2W

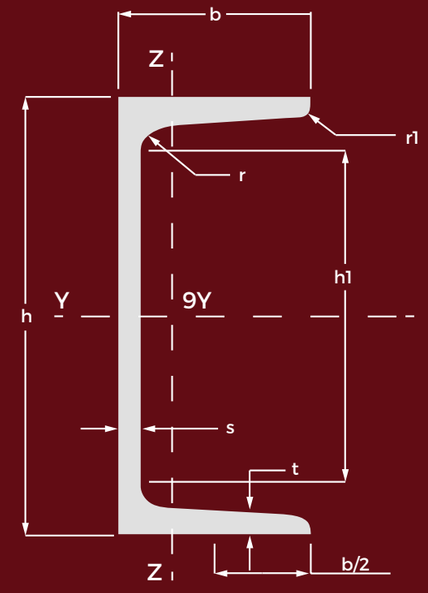
**For the manufacture of other grades, please consult*

Designation	Dimensions mm					A mm²	G Kg/m
	h	b	s	t	r		
HE 100 A	96,0	100,0	5,0	8,0	12,0	21,2	16,7
HE 100 B	100,0	100,0	6,0	10,0	12,0	26,0	20,4
HE 120 A	114,0	120,0	5,0	8,0	12,0	25,3	19,9
HE 120 B	120,0	120,0	6,5	11,0	12,0	34,0	26,7
HE 140 A	133,0	140,0	5,5	8,5	12,0	31,4	24,7
HE 140 B	140,0	140,0	7,0	12,0	12,0	43,0	33,7
HE 160 A	152,0	160,0	6,0	9,0	15,0	38,8	30,4
HE 160 B	160,0	160,0	8,0	13,0	15,0	54,3	42,6
HE 180 A	171,0	180,0	6,0	9,5	15,0	45,3	35,5
HE 180 B	180,0	180,0	8,5	14,0	15,0	65,3	51,2
HE 200 A	190,0	200,0	6,5	10,0	18,0	53,8	42,3
HE 200 B	200,0	200,0	9,0	15,0	18,0	78,1	61,3
HE 220 A	210,0	220,0	7,0	11,0	18,0	64,3	50,5
HE 220 B	220,0	220,0	9,5	16,0	18,0	91,0	71,5
HE 240 A	230,0	240,0	7,5	12,0	21,0	76,8	60,3
HE 240 B	240,0	240,0	10,0	17,0	21,0	106,0	83,2
HE 260 A	250,0	260,0	7,5	12,5	24,0	86,8	68,2
HE 260 B	260,0	260,0	10,0	17,5	24,0	118,4	93,0

h :Total nominal height
b :Flange width
s :Web thickness
t : Flange thickness at mid -width, measured at a distance b/ 4 from the end

r :Internal radius
A :Cross-sectional area
G :Mass per meter

BEAMS UPN



APPLICABLE STANDARDS

- Dimensions

UNE 36522:2018: Steel products. HE beams with wide flanges and parallel surfaces of hot-rolled steel. Dimensions and masses.

UNE-EN 10365:2018: U, I, and H beams of hot-rolled steel. Dimensions and masses.

UNE-EN 10279:2001: I and H beams of structural steel. Dimensional and shape tolerances.

- Steel Quality

UNE-EN 10025-1:2006 Hot-rolled products of structural steels.
Part 1: General technical delivery conditions.

UNE-EN 10025-2:2020 Hot-rolled products of structural steels.
Part 2: Technical delivery conditions for non-alloy structural steels.

UNE-EN 10025-5:2020 Hot-rolled products of structural steels.
Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance.

- Surface Condition

UNE-EN 10163-3: 2007 Delivery conditions for surface finish of hot-rolled sheet, wide flats, and steel beams.
Part 3: Beams. (Default class C - subclass 1)

- Manufactured Grades

S235JR | S235J0 | S235J2 | S275JR | S275J0 | S275J2 | S355JR | S355J0 | S355J2 | S355K2 | S355J0W | S355J2W

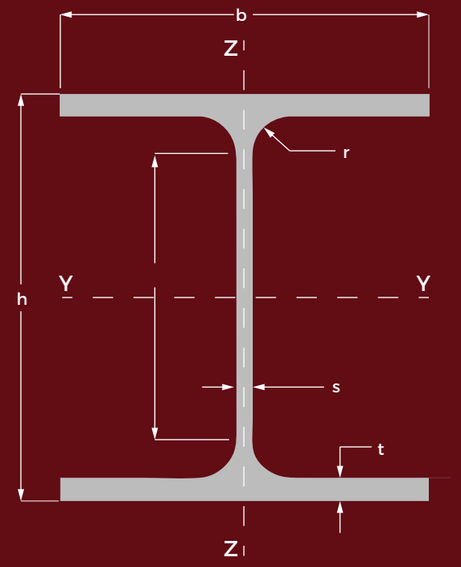
**For the manufacture of other grades, please consult*

Designation	Dimensions mm							A mm²	G Kg/m
	h	b	s	t	r	r_1	h_1		
UPN 80	80,0	45,0	6,0	8,0	8,0	4,0	46	11,0	8,6
UPN 100	100,0	50,0	6,0	8,5	8,5	4,5	64	13,5	10,6
UPN 120	120,0	55,0	7,0	9,0	9,0	4,5	82	17,0	13,4
UPN 140	140,0	60,0	7,0	10,0	10,0	5,0	98	20,4	16,0
UPN 160	160,0	65,0	7,5	10,5	10,5	5,5	115	24,0	18,8
UPN 180	180,0	70,0	8,0	11,0	11,0	5,5	133	28,0	22,0
UPN 200	200,0	75,0	8,5	11,5	11,5	6,0	151	32,2	25,3
UPN 220	220,0	80,0	9,0	12,5	12,5	6,5	167	37,4	29,4
UPN 240	240,0	85,0	9,5	13,0	13,0	6,5	184	42,3	33,2
UPN 260	260,0	90,0	10,0	14,0	14,0	7,0	200	48,3	37,9
UPN 280	280,0	95,0	10,0	15,0	15,0	7,5	216	53,3	41,8
UPN 300	300,0	100,0	10,0	16,0	16,0	8,0	232	58,8	46,2
UPN 320	320,0	100,0	14,0	17,5	17,5	8,8	246	75,8	59,5

h :Total nominal height
b :Flange width
s :Web thickness
t : Flange thickness at mid -width, measured at a distance b/ 4 from the end

r :Internal radius
A :Cross-sectional area
G :Mass per meter

BEAMS UB



APPLICABLE STANDARDS

- Dimensions

UNE-EN 10365:2018: U, I, and H beams of hot-rolled steel. Dimensions and masses.

UNE-EN 10279:1994: I and H beams of structural steel. Dimensional and shape tolerances.

- Steel Quality

UNE-EN 10025-1:2006 Hot-rolled products of structural steels.
Part 1: General technical delivery conditions.

UNE-EN 10025-2:2020 Hot-rolled products of structural steels.
Part 2: Technical delivery conditions for non-alloy structural steels.

UNE-EN 10025-5:2020 Hot-rolled products of structural steels.
Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance.

- Surface Condition

UNE-EN 10163-3: 2007 Delivery conditions for surface finish of hot-rolled sheet, wide flats, and steel beams.
Part 3: Beams. (Default class C - subclass 1)

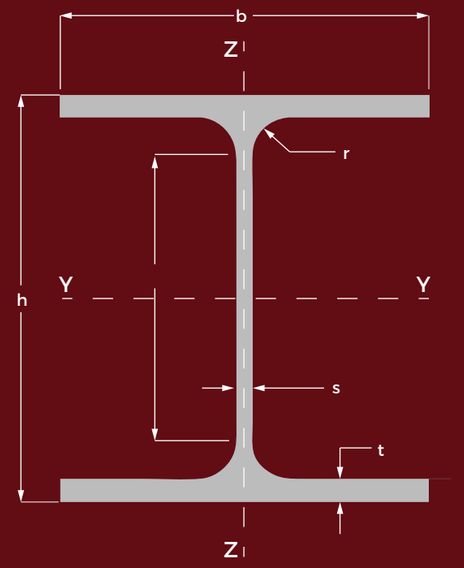
- Manufactured Grades

S235JR | S235J0 | S235J2 | S275JR | S275J0 | S275J2 | S355JR | S355J0 | S355J2 | S355K2 | S355J0W | S355J2W

**For the manufacture of other grades, please consult*

Designation	Dimensions mm				A mm²	G Kg/m
	h	b	s	t		
UB 152 x 89 x 16	152,4	88,7	4,5	7,7	20,3	16,0
UB 178 x 102 x 19	177,8	101,2	4,8	7,9	24,3	19,0
UB 203 x 102 x 23	203,2	101,8	5,4	9,3	29,4	23,1
UB 203 x 102 x 25*	203,2	133,2	5,7	7,8	32,0	25,1
UB 203 x 102 x 30*	206,8	133,9	6,4	9,6	38,2	30,0
UB 254 x 146 x 31*	251,4	146,1	6,0	8,6	39,7	31,1
UB 254 x 146 x 37*	256,0	146,4	6,3	10,9	47,2	37,0
UB 254 x 146 x 43*	259,6	147,3	7,2	12,7	54,8	43,0
UB 356 x 171 x 45*	351,4	171,1	7,0	9,7	57,3	45,0
UB 356 x 171 x 51*	355,0	171,5	7,4	11,5	64,9	51,0
UB 356 x 171 x 57*	358,0	172,2	8,1	13,0	72,6	57,0
UB 356 x 171 x 67*	363,4	173,2	9,1	15,7	85,5	67,1
UB 406 x 178 x 60*	406,4	177,9	7,9	12,8	76,5	60,1
UB 406 x 178 x 67*	409,4	178,8	8,8	14,3	85,5	67,1
UB 406 x 178 x 74*	412,8	179,5	9,5	16,0	94,5	74,2
UB 457 x 191 x 67*	453,4	189,9	8,5	12,7	85,5	67,1

BEAMS UB

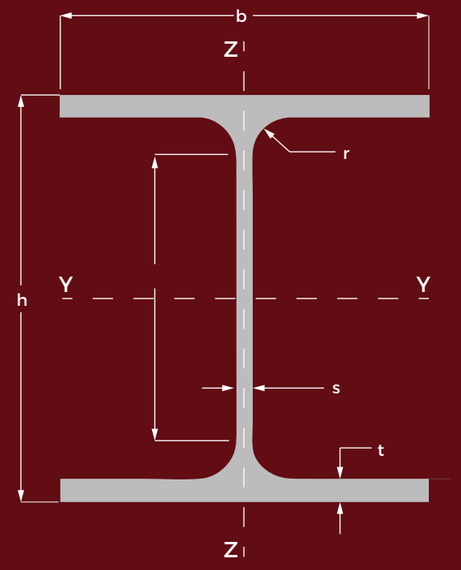


Designation	Dimensions mm				A mm²	G Kg/m
	h	b	s	t		
UB 457 x 191 x 74*	457,0	190,4	9,0	14,5	94,6	74,3
UB 457 x 191 x 82*	460,0	191,3	9,9	16,0	104,5	82,0
UB 533 x 210 x 82*	528,3	208,8	9,6	13,2	104,7	82,2
UB 533 x 210 x 92*	533,1	209,3	10,1	15,6	117,4	92,1
UB 533 x 210 x 101*	536,7	210,0	10,8	17,4	128,7	101,0
UB 533 x 210 x 109*	539,5	210,8	11,6	18,8	138,9	109,0
UB 533 x 210 x 122*	544,5	211,9	12,7	21,3	155,4	122,0
UB 610 x 229 x 101*	602,6	227,6	10,5	14,8	128,9	101,2
UB 610 x 229 x 113*	607,6	228,2	11,1	17,3	143,9	113,0
UB 610 x 229 x 125*	612,2	229,0	11,9	19,6	159,3	125,1

h :Total nominal height
b :Flange width
s :Web thickness
t :Flange thickness measured at mid-width at a distance of b/4 from the end

A :Cross-sectional area
G :Mass per meter

BEAMS UC



APPLICABLE STANDARDS

- Dimensions

UNE-EN 10365:2018: U, I, and H beams of hot-rolled steel. Dimensions and masses.
UNE-EN 10034:1994: I and H beams of structural steel. Dimensional and shape tolerances.

- Steel Quality

UNE-EN 10025-1:2006 Hot-rolled products of structural steels.
Part 1: General technical delivery conditions.

UNE-EN 10025-2:2020 Hot-rolled products of structural steels.
Part 2: Technical delivery conditions for non-alloy structural steels.

UNE-EN 10025-5:2020 Hot-rolled products of structural steels.
Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance.

- Surface Condition

UNE-EN 10163-3: 2007 Delivery conditions for surface finish of hot-rolled sheet, wide flats, and steel beams.
Part 3: Beams. (Default class C - subclass 1)

- Manufactured Grades

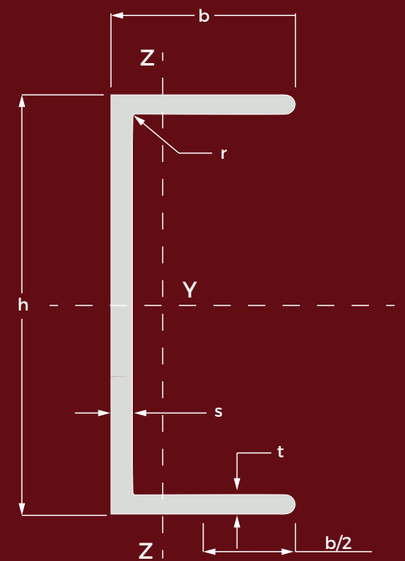
S235JR | S235J0 | S235J2 | S275JR | S275J0 | S275J2 | S355JR | S355J0 | S355J2 | S355K2 | S355J0W | S355J2W

**For the manufacture of other grades, please consult*

Designation	Dimensions mm				A mm²	G Kg/m
	h	b	s	t		
UC 152 x 152 x 23*	152,4	152,2	5,8	6,8	29,3	23,0
UC 152 x 152 x 30*	157,6	152,9	6,5	9,4	38,3	30,0
UC 152 x 152 x 37*	161,8	154,4	8,0	11,5	47,1	37,0
UC 203 x 203 x 46*	203,2	203,6	7,2	11,0	58,7	46,1
UC 203 x 203 x 52*	206,2	204,3	7,9	12,5	66,3	52,0
UC 203 x 203 x 60*	209,6	205,8	9,4	14,2	76,4	60.0
UC 203 x 203 x 71*	215,8	206,4	10,0	17,3	90.4	71,2
UC 254 x 254 x 73*	254,1	254,6	8,6	14,2	93,1	73,1
UC 254 x 254 x 89*	260,3	256,3	10,3	17,3	113,3	88,9

h :Total nominal height
b :Flange width
s :Web thickness
t : Flange thickness at mid -width, measured at a distance b/ 4 from the end
A :Cross-sectional area
G :Mass per meter

BEAMS PFC



APPLICABLE STANDARDS

- Dimensions

UNE-EN 10365:2018: U, I, and H beams of hot-rolled steel. Dimensions and masses.

UNE-EN 10279:2001: U-beams of hot-rolled steel. Dimensional tolerances, shape, and mass.

- Steel Quality

UNE-EN 10025-1:2006 Hot-rolled products of structural steels.
Part 1: General technical delivery conditions.

UNE-EN 10025-2:2020 Hot-rolled products of structural steels.
Part 2: Technical delivery conditions for non-alloy structural steels.

UNE-EN 10025-5:2020 Hot-rolled products of structural steels.
Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance.

- Surface Condition

UNE-EN 10163-3: 2007 Delivery conditions for surface finish of hot-rolled sheet, wide flats, and steel beams.
Part 3: Beams. (Default class C - subclass 1)

- Manufactured Grades

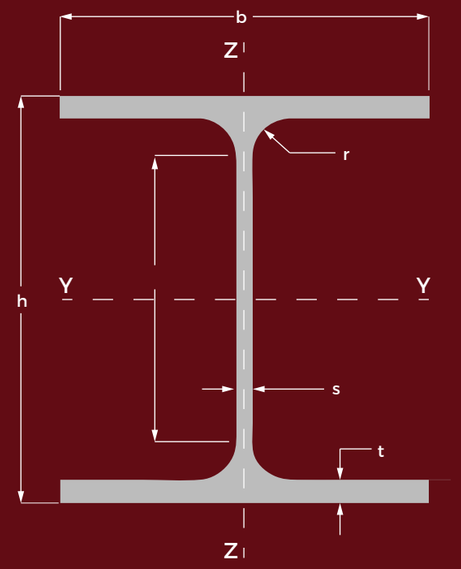
S235JR | S235J0 | S235J2 | S275JR | S275J0 | S275J2 | S355JR | S355J0 | S355J2 | S355K2 | S355J0W | S355J2W

**For the manufacture of other grades, please consult*

Designation	Dimensions mm				A mm²	G Kg/m
	h	b	s	t		
PFC 200 x 75 x 23	200	75	6	12,5	29,9	23,4
PFC 300 x 90 x 41	300	90	9	15,5	52,7	41,4

h :Total nominal height
b :Flange width
s :Web thickness
t : Flange thickness at mid -width, measured at a distance b/ 4 from the end
A :Cross-sectional area
G :Mass per meter

BEAMS W



APPLICABLE STANDARDS

- Dimensions

ASTM A6/A6M-24A: Standard specification for general requirements for rolled structural steel bars, plates, shapes, and sheet piling.

- Steel Quality

ASTM A36/A36M-19: Standard specification for carbon structural steel.

ASTM A992/A992M – 22: Standard specification for structural steel shapes.

ASTM A572/A572M-21e1: Standard specification for high-strength low-alloy niobium-vanadium structural steel.

- Surface Condition

UNE-EN 10163-3: 2007 Delivery conditions for surface finish of hot-rolled sheet, wide flats, and steel beams.
Part 3: Beams. (Default class C - subclass 1)

- Manufactured Grades

ASTM A36 GRADE 36 | ASTM A992 GRADE 50 | ASTM A572 Grade 50 | ASTM A572 Grade 65

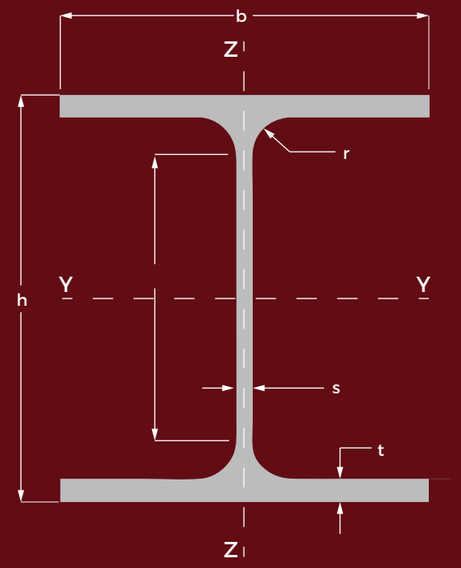
**For the manufacture of other grades, please consult*

Designation (Nominal height in inches and weight per metre inpounds/feet)	Area A in2	Depth d in	Flanges		Web Thickness t_w in	Designation (Nominal height in millimetres and weight per metre kg/m)	Area A mm2	Depth d mm	Flanges		Web Thickness t_w mm
			Widths b_f in	Thickness t_f in					Widths b_f mm	Thickness t_f in	
W24 x 84	24,7	24,10	9,020	0,770	0,470	W610 x 125	15900	612	229	19,6	11,9
x 76	22,4	24,10	8,990	0,680	0.440	x 113	14900	608	228	17,3	11,2
x 68	20,1	24,10	8,965	0,585	0,415	x 101	13000	603	228	14,9	10,5
W21 x 83	24,3	24,10	8,355	0,835	0,515	x 123	15700	544	212	21,2	13,1
x 73	21,5	24,10	8,295	0,740	0,455	x 109	13900	539	211	18,8	11,6
x 68	20,0	24,10	8,270	0,685	0,430	x 101	12900	537	210	17,4	10,9
x 62	18,3	24,10	8,240	0,615	0,400	x 92	11800	533	209	15,6	10,2
W21 x 57	16,7	24,10	6,555	0,650	0,405	W530 x 85	10800	535	166	16,5	10,3
x 50	14,7	24,10	6,530	0,535	0,380	x 74	9480	529	166	13,6	9,7
x 44	13,0	24,10	6,500	0,450	0,350	x 66	8390	525	165	11,4	8,9
W18 x 55	16,2	24,10	7,530	0,630	0,390	W460 x 82	10500	460	191	16,0	9,9
x 50	14,7	17,99	7,495	0,570	0,355	x 74	9480	457	190	14,5	9,0
W18 x 46	24,7	18,06	6,060	0,605	0,360	W460 x 68	8710	459	154	15,4	9,1
W16 x 45	24,7	16,13	7,035	0,565	0,345	W410 x 67	8580	410	179	14,4	8,8
x 40	24,7	16,01	6,995	0,505	0,305	x 60	7610	407	178	12,8	7,7
x 36	24,7	15,86	6,985	0,430	0,295	x 53	6840	403	177	10,9	7,5

d :Nominal overall height
br :Flange width
tw :Web thickness
tf :Flange thickness measured at a distance b/ 2 from the end

r :Radius between the web and flange
A :Cross-sectional area
G :Mass per meter

BEAMS W



Designation (Nominal height in inches and weight per metre inpounds/feet)	Area A in2	Depth d in	Flanges		Web Thickness t_w in	Designation (Nominal height in millimetres and weight per metre kg/m)	Area A mm2	Depth d mm	Flanges		Web Thickness t_w mm
			Widths b_f in	Thickness t_f in							
W14 x 38	11,2	14,10	6,770	0,515	0,310	W360 x 58	7230	358	172	13,1	7,9
x 34	10,0	13,98	6,745	0,455	0,285	x 51	6450	355	171	11,6	7,2
x 30	8,85	13,84	6,730	0,385	0,270	x 44,6	5710	352	171	9,8	6,9
W10 x 60	17,6	10,22	10,080	0,680	0,420	W250 x 89	11400	260	256	17,3	10,7
x 54	15,8	10,09	10,030	0,615	0,370	x 80	10200	256	255	15,6	9,4
x 49	14,4	9,98	10,000	0,560	0,340	x 73	9290	253	254	14,2	8,6
W10 x 30	8,84	10,47	5,810	0,510	0,300	W250 x 44,8	5700	266	148	13,0	7,6
x 26	7,61	10,33	5,770	0,440	0,260	x 38,5	4910	262	147	11,2	6,6
x 22	6,49	10,17	5,750	0,360	0,240	x 32,7	4190	258	146	9,1	6,1
W8 x 40	11,7	8,25	8,070	0,560	0,360	W200 x 59	7550	210	205	14,2	9,1
x 35	10,3	8,12	8,020	0,495	0,310	x 52	6650	206	204	12,6	7.9
x 31	9,13	8,00	7,995	0,435	0,285	x 46,1	5890	203	203	11,0	7,2
W8 x 28	8,25	8,06	6,535	0,465	0,285	W200 x 41,7	5320	205	166	11,8	7.2
x 24	7,08	7,93	6,495	0,400	0,245	x 35,9	4570	201	165	10,2	6,2
W8 x21	6,16	8,28	5,270	0,400	0,250	W200 x 31,3	3970	210	134	10,2	6,4
x 18	5,26	8,14	5,250	0,330	0,230	x 26,6	3390	207	133	8,4	5,8
x 14						x 21	2721	203	133	6,4	5,0

d :Nominal overall height
br :Flange width
tw :Web thickness
tf :Flange thickness measured at a distance b/ 2 from the end

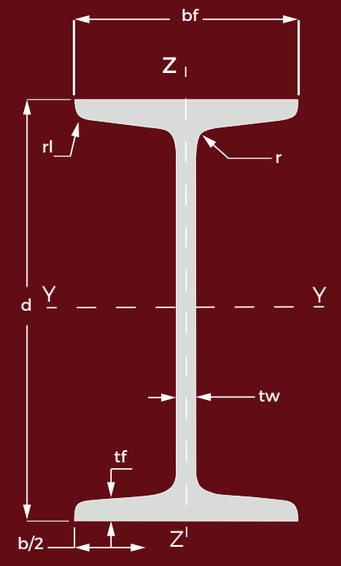
r :Radius between the web and flange
A :Cross-sectional area
G :Mass per meter

Designation (Nominal height in inches and weight per metre inpounds/feet)	Area A in2	Depth d in	Flanges		Web Thickness t_w in	Designation (Nominal height in millimetres and weight per metre kg/m)	Area A mm2	Depth d mm	Flanges		Web Thickness t_w mm
			Widths b_f in	Thickness t_f in							
W8 x 15	4,44	8,11	4,015	0,315	0,245	W200 x 22,5	2860	206	102	8,0	6,2
x 13	3,84	7,99	4,000	0,255	0,230	x 19,3	2480	203	102	6,5	5,8
x 10	2,96	7,89	3,940	0,205	0,170	x 15,0	1910	200	100	5,2	4,3
W6 x 25	7,34	6,38	6,080	0,455	0,320	W150 x 37,1	4740	162	154	11,6	8,1
x 20	5,87	6,20	6,020	0,365	0,260	x 29,8	3790	157	153	9,3	6,6
x 15	4,43	5,99	5,990	0,260	0,230	x 22,5	2860	152	152	6,6	5,8
W6 x 16	4,74	6,28	4,030	0,405	0,260	W150 x 24,0	3060	160	102	10,3	6,6
x 12	3,55	6,03	4,000	0,280	0,230	x 18,0	2290	153	102	7,1	5,8
x 9	2,68	5,90	3,940	0,215	0,170	x 13,5	1730	150	100	5,5	4,3
x 8,5	2,52	5,83	3,940	0,195	0,170	x 13	1630	148	100	4,9	4,3
W5 x 19	5,54	5,15	5,030	0,430	0,270	W130 x 28,1	3590	131	128	10,9	6,9
x 16	4,68	5,01	5,000	0,360	0,240	x 23,8	3040	127	127	9,1	6,1
W4 x 13	3,83	4,16	4,060	0,345	0,280	W100 x 19,3	2470	106	103	8,8	7,1

d :Nominal overall height
br :Flange width
tw :Web thickness
tf :Flange thickness measured at a distance b/ 2 from the end

r :Radius between the web and flange
A :Cross-sectional area
G :Mass per meter

BEAMS S



APPLICABLE STANDARDS

- Dimensions

ASTM A6/A6M-24A: Standard specification for general requirements for rolled structural steel bars, plates, shapes, and sheet piling.

- Steel Quality

ASTM A36/A36M-19: Standard specification for carbon structural steel.

ASTM A992/A992M – 22: Standard specification for structural steel shapes.

ASTM A572/A572M-21e1: Standard specification for high-strength low-alloy Columbium-Vanadium structural steel.

- Surface Condition

UNE-EN 10163-3: 2007 Delivery conditions for surface condition of hot-rolled steel plates, wide flats, and sections.
Part 3: Sections. (Default class C - subclass 1)

- Manufactured Grades

ASTM A36 GRADE 36 | ASTM A992 GRADE 50 | ASTM A572 Grade 50 | ASTM A572 Grade 65

**For the manufacture of other grades, please consult*

Designation (Nominal height in inches and weight per metre inpounds/feet)	Area A in2	Depth d in	Flanges		Web Thickness t_w in	Designation (Nominal height in millimetres and weight per metre kg/m)	Area A mm2	Depth d mm	Flanges		Web Thickness t_w mm
			Widths b_f in	Thickness t_f in							
S 24 x 121	35,6	24,50	8,050	1,090	0,800	S610 x 180	23000	622	204	27,7	20,3
x 106	31,2	24,50	7,870	1,090	0,620	x 158	20100	622	200	27,7	15,7
S 24 x 100	29,3	24,00	7,245	0,870	0,745	S610 x 149	18900	610	184	22,1	18,9
x 90	26,5	24,00	7,125	0,870	0,625	x 134	17100	610	181	22,1	15,9
x 80	23,5	24,00	7,000	0,870	0,500	x 119	15200	610	178	22,1	12,7
S 20 x 96	28,2	20,30	7,200	0,920	0,800	S510 x 143	18200	516	183	23,4	20,3
x 86	25,3	20,30	7,060	0,920	0,660	x 128	16300	516	179	23,4	16,8
S 20 x 75	22	20,00	6,385	0,795	0,635	S510 x 112	14200	508	162	20,2	16,1
x 66	19,4	20,00	6,255	0,795	0,505	x 98	12500	508	159	20,2	12,8
S 15 x 50	14,7	15,00	5,640	0,622	0,550	S380 x 74	9480	381	143	15,8	14,0
x 42,9	12,6	15,00	5,501	0,622	0,411	x 64	8130	381	140	15,8	10,4
S 12 x 35	10,3	12,00	5,078	0,544	0,428	S310 x 52	6650	305	129	13,8	10,9
x 31,8	9,35	12,00	5,000	0,544	0,350	x 47,3	6030	305	127	13,8	8,9
S 10 x 25,4	7,46	10,00	4,661	0,491	0,311	x 37,8	4810	254	118	12,5	7,9

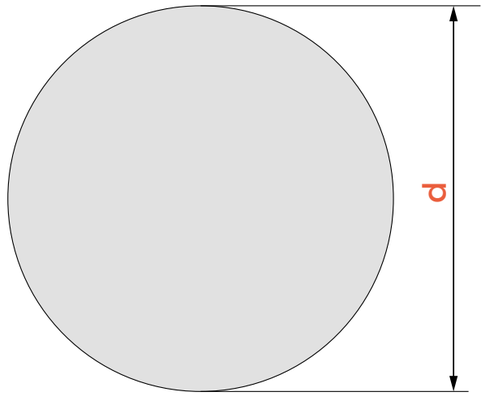
d :Nominal overall height
br :Flange width
tw :Web thickness
tf :Flange thickness measured at a distance b/ 2 from the end
r :Radius between the web and flange
A :Cross-sectional area
G :Mass per meter

WIRE ROD

Our rolling mills produce wire rod in a wide range of diameters from 5.5 to 16 mm, in accordance with product standards and the necessary quality certifications.

DIAMETERS

5,5 a 16 mm



STANDARD

All our wire rod is manufactured under the standards in Spain UNE 36066/ 2011 and in Portugal ET IPQ 104: 1998

For the manufacture of other grades under other standards, please consult

CHEMICAL COMPOSITION

Our wire rod is manufactured according to reference standards, ensuring its manufacturing process, strength, and durability in demanding applications.

UNE 36066:2011						
Analysis	**C(%) max**	**Ceq(%) max**	**P(%) max**	**Cu(%) max**	**S(%) max**	**N(%) max**
Ladle	0,22	0,50	0,050	0,80	0,050	0,012
Product	0,24	0,52	0,055	0,85	0,055	0,014

**If the Ceq decreases by 0.02% in mass, it is allowed to increase the maximum content of C by 0.03% in mass.*
**Higher contents of N are allowed if there are sufficient nitrogen-fixing elements.*

ET IPQ 104:1998							
Analysis	**C(%) max**	**Mn(%) max**	**Si(%) max**	**P (%) max**	**S (%) max**	**N (%) max**	**Ceq (%) max**
Ladle	0,15	0,70	0,30	0,050	0,050	0,012	0.43
Product*	± 0,24	± 0,06	± 0,04	± 0,005	± 0,005	± 0,001	± 0,02

**Deviations allowed in the product analysis based on the heat analysis.*
***The maximum content of N does not apply if there are sufficient nitrogen-fixing elements.*
***It is allowed to exceed the maximum N content by 0.001% for every 0.005% reduction in the maximum P content. In any case, the %N in the product cannot exceed 0.015%."*

WIRE ROD

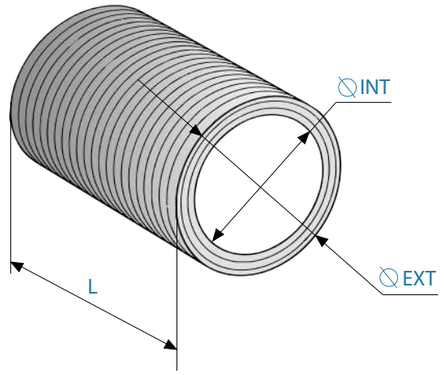
DIMENSIONS AND TOLERANCES

Our wire rod is manufactured according to reference standards, ensuring the manufacturing process, strength, and durability in demanding applications.

Diámetro d (mm)	Sección (mm2)	Masa (Kg/m)
5,5	23,76	0,19
6	28,27	0,22
6,5	33,18	0,26
7	38,48	0,3
7,5	44,18	0,35
8	50,27	039
8,5	56,75	0,45
9	63,62	0,5
9,5	70,88	0,56
10	78,54	0,62
10,5	86,59	0,68
11	95,03	0,75
11,5	103,9	0,82
12	113,1	0,89
12,5	122,7	0,96
13	132,7	1,04
13,5	143,1	1,12
14	153,9	1,21
14,5	165,1	1,30
15	176,7	1,39
15,5	188,7	1,48
16	201,1	1,58

Nominal Diameter (mm)	Tolerances	
	d (mm)	Ovality máx. (mm)
5 ≤ Ø < 8,5	±0,3	0,5
8,5 ≤ Ø < 12	±0,4	0,6
12 ≤ Ø < 16	±0,4	0,7

SPOOLER DIMENSIONS			
ØINT (mm)	ØEXT (mm)	L (mm)	Peso (Kg)
900 - 950	1150 - 1200	1700 - 1800	2300 - 2470



MECHANICAL CHARACTERISTICS

Our wire rod is manufactured according to reference standards, ensuring the manufacturing process, strength, and durability in demanding applications.

Mechanical Characteristics	
A_5 (%)	Rm (MPa)
≥ 30	370 - 520

SPOOLER

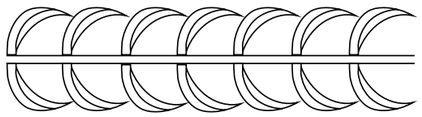
We manufacture high-quality steel spoolers in compliance with national and international product standards and with the necessary quality certifications.

DIAMETERS

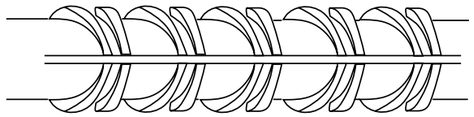
Diameters (mm)	Grades
8 a 20	B500 SD
	A500 NR SD
8 a 16	B400 SD
	A400 NR SD

QUALITIES AND STANDARDS

B 400 SD | A 400 NR SD



B 400 SD | B 500 NR SD



Grades	Standard
B500 SD	UNE 36065:2011
B400 SD	
A500 NR SD	LNEC E 460 - 2017
A400 NR SD	LNEC E 455 - 2017

CHEMICAL COMPOSITION

Our rebar is manufactured according to the reference standards, ensuring its production process, strength, and durability in demanding applications.

Analysis	C(%) max	Ceq (%) max	P (%) max	C(%) max	S (%) max	N (%) max
Ladle	0,22	0,50	0,050	0,80	0,050	0,012
Product	0,24	0,52	0,055	0,85	0,055	0,014

**If the Ceq decreases by 0.02% by mass, it is allowed to increase the maximum C content by 0.03% by mass.*
**Higher N contents are allowed if there are sufficient nitrogen-fixing elements present..*

SPOOLER

MECHANICAL PROPERTIES

Our spooler is manufactured according to the reference standards, ensuring its manufacturing process, strength, and durability in demanding applications.

MECHANICAL CHARACTERISTICS			
Designation		**B 400 SD**	**B 500 SD**
Yield Strenght Re (MPa)		≥ 400	≥ 500
Unit breaking load, Rm (Mpa)		≥ 480	≥ 575
Elongation at break, A5%		≥ 20	≥ 16
Total elongation under maximum load, Agt (%)	Reinforcing Bar	≥ 7,5	≥ 7,5
	Spooler	≥ 10,0	≥ 10,0
Relation Rm/Re		1,20 ≤ Rm/Re ≤ 1,35	1,15 ≤ Rm/Re ≤ 1,35
Relation Re real/Re nominal		≤ 1,20	≤ 1,25

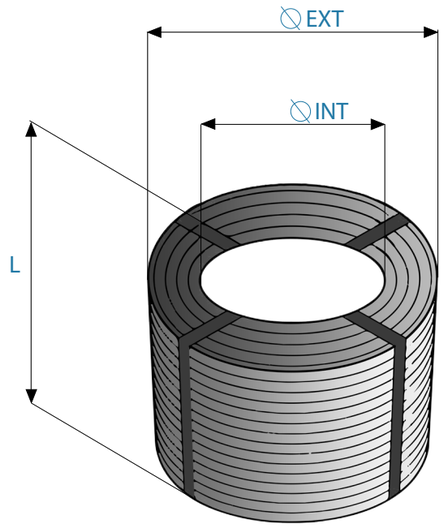
MECHANICAL CHARACTERISTICS		
Designation	**A 400 NR SD**	**A 500 NR SD**
Yield Strenght Re (MPa)	≥ 400	≥ 500
Total elongation under maximum load, Agt (%)	≥ 8	≥ 8
Relation Rm/Re	1,15 ≤ Rm/Re ≤ 1,35	1,15 ≤ Rm/Re ≤ 1,35
Relation Re real/Re nominal	≤1,20	≤1,20

In the case of steels supplied in coils, the results may be affected by the sample preparation method for testing. For this reason, steels with characteristic values that are 0.5% lower than those specified in the table for these cases may be accepted.

SPOOLER

ROLL DIMENSIONS

DIMENSIONS			
ØINT (mm)	ØEXT (mm)	L (mm)	Weight (Kg)
≈ 850	≈1200	≈800	2300 - 2400



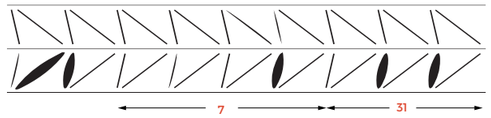
SECTIONS AND WEIGHTS

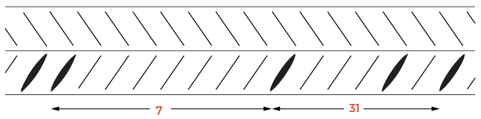
Diameter	Cross Section (mm2)	Mass (Kg/m)
8	50,3	0,395
10	78,5	0,617
12	113	0,888
14	154	1,21
16	201	1,58
20	314	2,47

**The mass tolerances comply with the specifications of the corresponding product standards.*

BAR IDENTIFICATION

*Identification of the manufacturer through thickened ribs according to UNE-EN 10080:2006





ENVIRONMENT

We have a common goal based on sustainable growth, care for society, and the environment.

ENVIRONMENT

At Siderúrgica Balboa, we are committed to protecting the environment and reducing greenhouse gas emissions. Currently, we are developing projects for the production of green steel, using hybrid systems with hydrogen to replace fossil fuels and implementing projects to use renewable electricity.

Our certifications in various international management systems provide value and confidence to our customers, partners, and the environments in which we operate.

We have stringent environmental management policies and are committed to innovation and risk reduction to improve the impact of our industrial activity and produce more sustainable steel.

We have received support and funding from the European Regional Development Fund for energy-saving and efficiency projects in our sector, achieving an estimated savings of 94.51 toe/year.

We are committed to harmonized standards to ensure reliable and adequate environmental protection.

CIRCULAR ECONOMY

We produce steel using scrap as our primary raw material, allowing us to recycle more than 1 million tons of scrap annually. At the same time, we are promoting waste recovery and achieving a 40% increase compared to 2017.

SUSTAINABILITY

We consider it fundamental to reduce energy consumption. We are developing projects to improve the efficiency of production processes and reduce our energy consumption. Our certifications in steel sustainability systems and ISO 50001 demonstrate our commitment to society and energy efficiency.

ENVIRONMENTAL CERTIFICATION

Energy

ISO 50001 Energy Management System

Environment

ISO 14.001
ISO 14.001 Environmental and Energy Policy

Carbon Footprint

GHG Protocol Organization Product GHG
Protocol

Sustainability

BES 6001: Issue 3.1 Framework Standard for Responsible Sourcing
DAP GlobalEDP Structural profiles for general use, bars, and commercial profiles. DAP GlobalEDP Wire rod for manufacturing, by cold forming, wires... DAP GlobalEDP Corrugated bars.

CERTIFICATIONS

ENVIRONMENT

We have a common goal based on sustainable growth, care for society, and the environment.

QUALITY

At Siderúrgica Balboa, we offer high-quality products and services to our customers. We have a team of highly qualified professionals and cutting-edge technologies to ensure the quality of our processes and products.

CERTIFICATIONS

CERTIFICACIONES

We are committed to strengthening our quality, environmental, safety, and social responsibility systems by implementing various policies. We demonstrate respect for the environment and a commitment to environmental management through technological investments in our facilities.

We have a comprehensive management system and conduct internal and external audits to maintain high standards of quality and efficiency.

CERTIFICATIONS

SAFETY

We take measures to minimize and control risks in our steel production facilities, and we have policies and certifications that cover and reflect all planned measures to control occupational risks and make our facilities a safe environment.

CERTIFICATIONS

SOCIAL RESPONSIBILITY

Obtaining the Steel Sustainability Certificate demonstrates our commitment to continuous improvement, respect for the environment, and occupational risk prevention.

This certificate guarantees our commitment to innovation and risk reduction to produce more sustainable steel. AENOR recognizes our voluntary effort for a responsible management model that integrates social and environmental values into our business.

CERTIFICATIONS

SIDERÚRGICA

BALBOA

GROUP COMPANY

GRUPO INDUSTRIAL

Industria con alma