

HOT ROLLED

Flat product Black or Pickled and Oiled.



Dimension tolerances

Normal dimensional tolerance ranges are guaranteed in accordance with EN 10151.



Chemical composition

The chemical composition conforms to the product grade reference standards and if specified by the customer, it may be guaranteed for suitability for galvanising (category A, B, or D) or welding.

Surface protection

To ensure surface protection against oxidation at pickled and oiled, a layer of protective oil is applied. In cases of supply without oil, there is no guarantee against oxidation.

Supply conditions

If specified by the customer, the skin-pass operation may be performed for products up to 3 mm thick.

Product weights

Maximum weight: 26 t
 Internal diameter pickled and oiled: 610 mm
 Internal diameter black: 760 or 610 mm
 Maximum external diameter: 2.000 mm

Mechanical characteristics and dimensions for coil supply

Grade	ReL (MPa)	Rm (MPa)	A80 min (%)					Thickness (mm)	Width (mm)
			Thickness (mm)						
			≤1,5	>1,5 ≤2	>2 ≤2,5	>2,5 <3	≥3 (L0=5,65 √S0)		
Low carbon forming steel (EN 10111)									
DD11	t < 2 mm 170 - 360	440 máx.	22	23	24	28	1,4 - 6,0	800 - 1550	
	t ≥ 2 mm 170 - 340								
Structural steel (EN 10025-2)									
S235JR	235 min	360 - 510	18	19	20	21	26	1,4 - 6,0	
S275JR	275 min	t < 3 430 - 580	16	17	18	19	23	2,0 - 6,0	
		t ≥ 3 410 - 560							
S355JR	355 min	t < 3 510 - 680 t ≥ 3 470 - 630	15	16	17	18	22	800 - 1550	
High yield strength steels (EN 10149-2)									
S315 MC	315 min	390 - 510	20			24	2,0 - 6,0	800 - 1550	
S355 MC	355 min	430 - 550	19			23			