

# ROLLED STRUCTURAL WEATHERING STEEL AS PER EN 10025-5:2004

## MECHANICAL PROPERTIES

Steel grade	Standard	Thickness, mm	Ultimate strength, MPa (N/mm <sup>2</sup> )	Yield strength, MPa (N/mm <sup>2</sup> )	Relative elongation, %, min	Mandrel diameter at 180° bending	Impact energy, J, min
S235J0W	EN 10025	1.50-1.79	360-510	≥ 235	≥ 19	≥ 3.3a	/
		3.00-12.00	360-510	≥ 235	≥ 26	≥ 3.3a	≥ 27

\* only chemical composition  
/ – parameter is not regulated by the standard  
a – rolled product thickness

At the customer's request, hot-rolled steel for drawing can be supplied with agreed mechanical properties.

## TOLERANCES FOR DIMENSIONS AND SHAPE OF ROLLED PRODUCTS

Standard for specification	EN 10025
Standard for product mix, geometrical dimensions and tolerances	EN 10051 EN 10029

## THICKNESS/WIDTH RATIO FOR ROLLED PRODUCTS

Thickness, mm	Strip width, mm														
	900	1,000	1,100	1,200	1,250	1,300	1,350	1,400	1,450	1,500	1,550	1,600	1,650	1,700	1,850
1.50-1.79															
3.00-3.49															
3.50-3.99															
4.00-12.00															

Rolled products with customized properties, including thickness/width ratio, are available upon request.

