

**EN10149-2 S315MC steel plate/sheet for High yield strength cold forming steels**

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EN10149-2 S315MC is a technical delivery conditions for high yield strength cold forming steels. It is according to EN10149-2 standard. we can regard S315MC steel plates/sheets are low-perlite steel grades offer excellent bending, flanging, **cold-bordering** and **folding properties** in both longitudinal and transverse direction. The bending radii specified below should be observed as **minimum values**.

<b>S315MC EN10149-2 MATERIAL#1.092</b>	<b>Comparison of steel grades</b>	
	A 517 / A 607 / J 1392	045 XLK
	NFA 36-231	E 315 D
	BS 1449 Sec. 1.4	HR 43F35
	Salzgitter Flachstahl -	PSQ 32

**S315MC steel plate Chemical analysis-% by mass\***

Chemical analysis - % by mass*	C	Si	Mn	P	S <sup>1)</sup>	Al <sub>total</sub>	Mo	Ti	B
	ma x.	ma x.	ma x.	max.	max.	min.	ma x.	ma x.	ma x.
	0,12	0,50	1,30	0,025	0,020	0,015	-	0,15	-

**S315MC steel sheet Mechanical properties**

<b>Mechanical properties</b>	Yield Strength ReH [N/mm <sup>2</sup> ] transv.min.	Tensile Strength Rm [N/mm <sup>2</sup> ] transv.	Min. totalelongation [%]		Smallest recommended bending radius bending angles ≤ 90		
			L <sub>0</sub> = 80 mm	L <sub>0</sub> = 5,65 √S <sub>0</sub>	e <sup>1)</sup> ≤ 3	3 < e <sup>1)</sup> < 6	e <sup>1)</sup> > 6
S315MC	315	390 - 510	e <sup>2)</sup> < 3	e <sup>2)</sup> ≥ 3	0,25 e	0,5 e	1,0 e
			20	24			

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