

SEW092 QStE340TM steel plate/sheet for High yield strength cold forming steels

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SEW092 QStE340TM is a technical delivery conditions for high yield strength cold forming steels. It is according to EN10149-2 standard. We can regard QStE340TM 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**.

QStE340TM SEW092 MATERIAL#1.092	Comparison of steel grades	
	A 517 / A 607 / J 1392	045 XLK
	NFA 36-231	E 315 D
	BS 1449 Sec. 1.4	HR 43F35
	EN10149-2	QStE340TM

QStE340TM steel plate Chemical analysis-% by mass*

Chemical analysis - % by mass*	C	Si	Mn	P	S ¹⁾	Al _{total}	Mo	Ti	B
	max.	max.	max.	max.	max.	min.	max.	max.	max.
	0,12	0,50	1,30	0,025	0,020	0,015	-	0,15	-

QStE340TM steel sheet Mechanical properties

Mechanical properties	Yield Strength ReH [N/mm ²] transv.min.	Tensile Strength Rm [N/mm ²] transv.	Min. total elongation [%]		Smallest recommended bending radius bending angles ≤ 90		
			L ₀ = 80 mm	L ₀ = 5,65 √S ₀	e ¹⁾ ≤ 3	3 < e ¹⁾ < 6	e ¹⁾ > 6
QStE340TM	315	390 - 510	e ²⁾ < 3	e ²⁾ ≥ 3	0,25 e	0,5 e	1,0 e
			20	24			

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