

STEEL GRADES SPECIAL ALLOY SS 2343

SS 2343 Standard Number:

Item	Standard Number	Descriptions
------	-----------------	--------------

SS 2343 Chemical composition (mass fraction) (wt.%)

Chemical			Min. (%)				Max. (%)			
C	Si	Mn	P	S	Cr	Ni	Mo	V	Ta	
Max 0.05	Max 1.0	Max 2.0	Max 0.045	Max 0.03	16.0-18.5	10.5-14.0	2.5-3.0			
W	N	Cu	Co	Pb	B	Nb	Al	Ti	Other	

Swedish SS standard acid-proof steel and heat resistant steel

SS 2343 Physical Properties

Tensile strength	115 - 234	ob/MPa
Yield strength	23	$\sigma_{0.2} \geq$ /MPa
Elongation	65	$\delta 5 \geq$ (%)
Ψ	-	$\Psi \geq$ (%)
Akv	-	Akv \geq /J
HBS	123 - 321	-
HRC	30	-

SS 2343 Mechanical Properties

Tensile strength	231 - 231	ob/MPa
Yield strength	154	$\sigma_{0.2} \geq$ /MPa
Elongation	56	$\delta 5 \geq$ (%)

Note: These figures are for guidance only. Service life will depend on type of application, whether static or dynamic, specific pressure medium, temperature cycle, time of exposure, etc.