



# Jiangyou Hacer Technology Co., Ltd.

Steel Grade: S235J2G3   Material No: 1.0116   Equal Germany DIN: St37-3N   Deoxidation Degree: F							
Thickness/mm: —   Deoxidation Degree: F							
<b>CHEMICAL COMPOSITION</b>							
C(%)	Si(%)	Mn(%)	P(%)	S(%)	Other(%)		
0.17	—	1.4	0.035	0.035	—		
<b>MECHANICAL PROPERTIES</b>							
Yield Strength   $\sigma_{0.2}$ /Mpa							
≤16mm	16-40mm	40-63mm	63-80mm	80-100mm	100-150mm	150-200mm	200-250mm
235	225	215	215	215	195	185	175
Tensile Strength   $\sigma_b$ /Mpa				Ballistic Temperature(°C)	Ballistic   $ak_v \geq (J/cm^2)$		
≤3mm	3-100mm	100-150mm	150-200mm		10-150mm	150-250mm	
360~510	340~470	340~470	320~470	-20/-20	27/27	23/23	
Test Sample(L/T)	Extensibility   $\delta$ (%)						
	3-40mm	40-63mm	63-100mm	100-150mm	150-250mm		
L/T	26/24	25/23	24/22	22/22	21/21		

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