



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: S235JRG1 Material No: 1.0036 Equal Germany DIN: USt37-2 Deoxidation Degree: U							
Thickness/mm: ≤ 16 Deoxidation Degree: U							
CHEMICAL COMPOSITION							
C(%)	Si(%)	Mn(%)	P(%)	S(%)	Other(%)		
0.17	—	1.4	0.045	0.045	N ≤ 0.007		
MECHANICAL PROPERTIES							
Yield Strength $\sigma_{0.2}$ /Mpa							
≤ 16mm	16-40mm	40-63mm	63-80mm	80-100mm	100-150mm	150-200mm	200-250mm
235	235	—	—	—	—	—	—
Tensile Strength σ_b /Mpa				Ballistic Temperature(°C)	Ballistic $a_{kv} \geq (J/cm^2)$		
≤ 3mm	3-100mm	100-150mm	150-200mm		10-150mm	150-250mm	
360~510	340~470	—	—	20/20	27/27	—/—	
Test Sample(L/T)	Extensibility δ (%)						
	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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