



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: S355JR Material No: 1.0045 Equal Germany DIN: — Deoxidation Degree: N							
Thickness/mm: — Deoxidation Degree: N							
CHEMICAL COMPOSITION							
C(%)	Si(%)	Mn(%)	P(%)	S(%)	Other(%)		
0.24	0.55	1.6	0.045	0.045	N ≤ 0.009		
MECHANICAL PROPERTIES							
Yield Strength $\sigma_{0.2}$ /Mpa							
≤ 16mm	16-40mm	40-63mm	63-80mm	80-100mm	100-150mm	150-200mm	200-250mm
345	335	325	325	315	295	285	275
Tensile Strength σ_b /Mpa				Ballistic Temperature(°C)	Ballistic $ak_v \geq (J/cm^2)$		
≤ 3mm	3-100mm	100-150mm	150-200mm		10-150mm	150-250mm	
510~680	490~630	470~630	450~630	20/20	27/27	23/23	
Test Sample(L/T)	Extensibility δ (%)						
	3-40mm	40-63mm	63-100mm	100-150mm	150-250mm		
L/T	22/20	21/19	20/18	18/18	17/17		

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