

7. 일반구조용 강판

Rolled Steel Plates for General Structure (KS D3503-1998)

종류 및 화학성분(CheMical Composition)

종류 기호 Symbol	품 명 Products	최대두께 Maximum Thickness mm	화 학 성 분 Chemical Composition (%)					
			두께 Thickness mm	C	Si	Mn	P	S
SS330	강판 · 평강 봉강 Steel Plates, Flats and Bars	-	-	-	-	-	0.050max.	0.050max.
SS400	강판 · 평강 형강 · 봉강 Steel Plates, Flats, Bars and Shapes	-	-	-	-	-	0.050max.	0.050max.
SS490	강판 · 평강 형강 · 봉강 Steel Plates, Flats, Bars and Shapes	-	-	-	-	-	0.050max.	0.050max.
SS540	강판 · 평강 형강 · 봉강 Steel Plates, Flats, Bars and Shapes	40max.	-	0.30max.	-	1.60max.	0.040max.	0.040max.

기계적 성질(Mechanical Properties)

강재의 두께 Thickness mm	항복점 Yield Point N/mm ²	인장강도 Tensile Strength N/mm ²	연 신 률 Elongation			굽 힘 시 험 Bend Test		
			두께 Thickness mm	시험편 Test Piece	최소 Minimum %	굽힘각도 Option	안쪽반지름 Inside Radius	시험편 Test Piece
t ≤ 16 16 < t ≤ 40 40 < t	205↑ 195↑ 175↑	330~430	t ≤ 5	No.5	26	180°	Half of the thickness	No.1
			5 < t ≤ 16	No.1A	21			
			16 < t ≤ 50	No.1A	26			
			40 < t	No.4	28			
			t ≤ 25	No.2	25	180°	Half of the thickness	No.2
			25 < t	No.3	30			
t ≤ 16 16 < t ≤ 40 40 < t	245↑ 235↑ 215↑	400~510	t ≤ 5	No.5	21	180°	1.5 times the thickness	No.1
			5 < t ≤ 16	No.1A	17			
			16 < t ≤ 50	No.1A	21			
			40 < t	No.4	23			
			t ≤ 25	No.2	20	180°	1.5 times the thickness	No.2
			25 < t	No.3	24			
t ≤ 16 16 < t ≤ 40 40 < t	285↑ 275↑ 255↑	490~610	t ≤ 5	No.5	19	180°	2.0 times the thickness	No.1
			5 < t ≤ 16	No.1A	15			
			16 < t ≤ 50	No.1A	19			
			40 < t	No.4	21			
			t ≤ 25	No.2	18	180°	2.0 times the thickness	No.2
			25 < t	No.3	21			
t ≤ 16 16 < t ≤ 40	400↑ 390↑	540min	t ≤ 5	No.5	16	180°	2.0 times the thickness	No.1
			5 < t ≤ 16	No.1A	13			
			16 < t ≤ 40	No.1A	17			
			t ≤ 25	No.2	13			
25 < t ≤ 40	No.3	17						