

### JIS G3101-2004 Rolled steels for general structure

Grade	Chemical Compositions %				Tensile Test							
					Yield Point or Yield Strength N/mm <sup>2</sup>				Tensile Strength N/mm <sup>2</sup>	Elongation		
	C	Mn	P	S	Thickness (mm)					Thickness (mm)	Test Piece	% (min)
					t ≤ 16	16 < t ≤ 40	40 < t ≤ 100	t > 100				
SS330	—	—	0.050 max	0.050 max	205 min	195 min	175 min	165 min	330-430	6 ≤ t ≤ 16	No.1A	21
SS400					16 < t ≤ 50	No.1A	26					
					40 < t	No.4	28					
					6 ≤ t ≤ 16	No.1A	17					
SS490					16 < t ≤ 50	No.1A	21					
					40 < t	No.4	23					
					6 ≤ t ≤ 16	No.1A	15					
SS540					16 < t ≤ 50	No.1A	19					
					40 < t	No.4	21					
	6 ≤ t ≤ 16	No.1A	13									
SS540	0.30 max	1.60 max	0.040 max	0.040 max	400 min	390 min	—	—	540 min	16 < t ≤ 40	No.1A	17

Remark : 1. Alloy elements other than those shown in the above table may be added necessary.

2. For the elongation of No.4 test piece for steel plates over 90mm in thickness, it shall be subtracted 1% from the values of per each increase of 25mm or its fraction in thickness. However, the limit to be subtracted shall be 3%.