

## Bars, Shapes and Steel Plates

Japanese Industrial Standards			Related foreign standards		
Std. No.	Title	Material symbol	Std. No.	Title	Material symbol. Grade. Class
JIS G 3101	Rolled steels for general structure	SS 330,400,490,540	ASTM A 36 : 97a	Spec. for carbon structural steel	
JIS G 3106	Rolled steels for welded structure	SM 400 A, 400 B, 400 C, 490 A,	ASTM A 283 : 93a	Spec. for low and intermediate tensile strength carbon steel plates of structural quantity	A, B, C, D
		490 B, 490 C, 490 YA, 490 YB, 520 B, 520 C, 570	ASTM A 529 : 96	Spec. for high-strength carbon-manganese steel of structural quantity	50, 55
JIS G 3136	Rolled steels for building structure	SN 400 A, 400 B, 400 C, 490 B, 490 C	ASTM A 570 : 98	Spec. for steel, sheet and strip, carbon, hot rolled structural quality	30, 33, 36 Type 1, 36 Type 2, 40, 45, 50, 55
			ASTM A 572 : 97 c	Spec. for high-strength low-alloy columbiumvanadium structural steel	42, 50, 60, 65
			ASTM A 573 : 93 a	Spec. for structural carbon steel plates of improved toughness	58, 65, 70
			ASTM A 633 : 95	Spec. for normalized high-strength low-alloy structural steel plates	A, C, D, E
			ASTM A 678 : 94 a	Spec. for quenched and tempered carbon steel plates for structural applications	A, B, C, D
			ASTM A 709 : 97 b	Spec. for carbon and high-strength low alloy structural steel shapes, plates, and bars and quenched-and-tempered, alloy structural steel plates for bridges	36, 50
			BS EN 10025 : 93 DIN EN 10025 : 93 NF EN 10025 : 93	} Hot-rolled products of non-alloy structural steels. Technical delivery conditions	S185 S235JR, JRG1, JRG2, J0, J2G3, J2G4, S275JR, J0, J2G3, J2G4, S355JR, J0, J2G3, J2G4, K2G3, K2G4, E295, E335, E360
			BS EN 10113-2 : 93 DIN EN 10113-2 : 93 NF EN 10113-2 : 93		
			BS EN 10113-3 : 93 DIN EN 10113-3 : 93 NF EN 10113-3 : 93	} Part 3: Delivery conditions for thermomechanical rolled steels	S275M, S355M S420M, S460M