



**General purpose structural steel**

General purpose structural steel plates usually used for commercial & industrial building structure: pre-engineered buildings, pre-fabricated buildings, warehouses, car parks, workshops, sports stadiums. Structural steel plates for multi-storey steel frame structures, airport hangars, railway stations structure, shopping malls etc.. High strength low alloy heavy plates for bridge construction. Plate steel for construction of railway & road vehicle chassis.

The main steel grades of General purpose structural steel plates are:

Material #: 1.0035, 1.0037, 1.0038, 1.0116, 1.0117, 1.0044, 1.0143, 1.0144, 1.0145, 1.0045, 1.0553, 1.057, 1.0577, 1.0595, 1.0596, 1.005, 1.006, 1.007

EN 10025: S185, S235JR, S235JRG2, S235J2G3, S235J2G4, S275JR, S275JO, S275J2G3, S275J2G4, S355JR, S355JO, S355J2G3, S355J2G4, S355K2G3, S355K2G4, E295, E335, E360

DIN 17100: St 33, St 37-2, RSt 37-2, St 37-3 N, St 44-2, St 44-3 U, St 44-3 N, St 52-3 U, St 52-3 N, St 50-2, St 60-2, St 70-2.

NFA 35-501: A 33, E 24-2, E 24-2 NE, E 24-4, E 28-2, E 28-3, E 28-4, E 36-2, E 36-3, E 36-4, A 50-2, A 60-2, A 70-2.

UNI 7070: Fe 320, Fe 360 B, Fe 360 D, Fe 430 B, Fe 430 C, Fe 430 D, Fe 510 B, Fe 510 C, Fe 510 D, Fe 490, Fe 590, Fe 690.

BS 4360: 40 A, 40 B, 40 D, 43 B, 43 C, 43 D, 50 B, 50 C, 50 D, 50 DD

UNE 36.080: A 310-0, AE 235 B-FN, AE 235 D, AE 275 B, AE 275 C, AE 275 D, AE 355 B, AE 355 C, AE 355 D, A 490, A 590, A 690.

ASTM: A 283 B - A 569 CQ, A 283 C - A 570 Gr. 33, A 283 D - A 36, A 578 Gr. 70, A 633 Gr. A, A 572 Gr. 50 - A 678 Gr. A, A 441.

JIS G3101: SS 330, SS 400, SS 490, SS 500.

Material #	EN 10025	DIN 17100	NFA 35-501	UNI 7070	BS 4360	UNE 36.080	ASTM	JIS G3101
1.0035	S185	St 33	A 33	Fe 320		A 310-0	A 283 B - A 569 CQ	SS 330
1.0037	S235JR	St 37-2	E 24-2	Fe 360 B	40 A		A 283 C - A 570 Gr. 33	
1.0038	S235JR G2	RSt 37-2	E 24-2 NE		40 B	AE 235 B-FN		
1.0116	S235J2 G3	St 37-3 N	E 24-4	Fe 360 D	40 D	AE 235 D		
1.0117	S235J2 G4							
1.0044	S275JR	St 44-2	E 28-2	Fe 430 B	43 B	AE 275	A 283 D - A 36	SS 400

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						B		
1.0143	S275JO	St 44-3 U	E 28-3	Fe 430 C	43 C	AE 275 C	A 578 Gr. 70	
1.0144	S275J2 G3	St 44-3 N	E 28-4	Fe 430 D	43 D	AE 275 D	A 633 Gr. A	
1.0145	S275J2 G4							
1.0045	S355JR		E 36-2	Fe 510 B	50 B	AE 355 B	A 572 Gr. 50 - A 678 Gr. A	SS 490
1.0553	S355JO	St 52-3 U	E 36-3	Fe 510 C	50 C	AE 355 C	A 441	
1.057	S355J2 G3	St 52-3 N		Fe 510 D	50 D	AE 355 D		
1.0577	S355J2 G4							
1.0595	S355K2 G3		E 36-4		50 DD			
1.0596	S355K2 G4							
1.005	E295	St 50-2	A 50-2	Fe 490		A 490		SS 500
1.006	E335	St 60-2	A 60-2	Fe 590		A 590		
1.007	E360	St 70-2	A 70-2	Fe 690		A 690		

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