



GENERAL - STEEL GRADES

COMPARISON BETWEEN SPECIFICATIONS (Sections)

Min. Yield Stress (Tensile Strength) MPa	Special Specification	U.S.A.	European Standard (BS, DN)		U.K. (old version)	Germany (old version)	Japan	Australia	China
		ASTM	EN 10025	EN 10155	BS 4360	DIN 17100	JIS	AS/NZS	GB 700
185			S185		St 33				Q195
195									
205		A570-30							Q215-A
215									
230		A570-33							
235			S235		40A				Q235-A
215	Charpy Impact Test		S235JR	S235J0W	40B, 40C	St 37-2	G3136-SM400A		Q215-B
235			S235JRG1	S235J2W	40D	USI 37-2	SM400B		Q235-B,C,D
			S235JRG2			RSI 37-2	SM400C		
			S235J0			St 37-3			
			S235J2G3						
		S235J2G4							
245							G3101-SS400 G3106-SM400A		
250		A36						3679.1-250	
255		A570-36							Q255-A
275		A570-40	S275		43A	St 46-3			Q275
285							G3101-SS490		
295		A572-42	E295			St 50-2			
		A242-48.5							
		A441-48.5							
300								BHP-300PLUS	
310		A570-45							
315		A242-3							
		A441-3							
245	Charpy Impact Test					RSI 42-1	G3101-SM400B		
250						Rst 42-2	SM400C	3679.1-250LD	Q255-B
255									
260						40DD			
275				S275JR		43B, 43C	St 44-2		
				S275J0		43D, 43DD	St 44-3		
			S275J2G3			RSI 46-2			
			S275J2G4			RSI 46-3			
300								BHP-300PLUSLD	



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		ASTM	EN 10025	EN 10155	BS 4360	DIN 17100	JIS	AS/NZS	GB 700
325 335 345		A570-50 A572-50 A242-1&2 A441-1&2 A588-A,B,C,K	E355			St 60-2	G3106-SM490A		
325	Charpy Impact Test						G3106-SM490B SM490C G3136-SN490B SN490C		
355 360 365			S355		50A			3679.1-350	
355 360 365	Charpy Impact Test		E360		St 70-2	G3106-SM490YA			
355 360 365			S355JR S355J0 S355J2G3 S355J2G4 S355K2G3 S355K2G4	S355J0WP S355J2WP S355J0W S355J2G1W S355J2G2W S355K2G1W S355K2G2W	50B, 50C 50D, 50DD 50E WR50A WR50B WR50C	St 52-3		3679.1-350L0	
380 400 415 450		A570-55 A572-60 A572-65					G3101-S5540		
450 460	Charpy Impact Test				55C		G3106-SM570		



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COMPARISON BETWEEN SPECIFICATIONS (Plate)

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		ASTM	EN 10025	EN 10155	BS 4360	DIN 17100	JIS	AS/NZS	GB 700		
165		A283-A	S185			St 33		3678-200	Q195		
185		A283-B									
195											
200											
205		A283-C					G3101-SS330				
215		A284-C									Q215-A
225		A284-D									
230		A283-D									
235				S235		40-A					Q235-A
215	Charpy Impact Test		S235JR	S235J0W	40B, 40C	St 37-2	G3136-SM400A		Q215-B		
235			S235JRG1	S235J2W	40D	USI 37-2	SN400B		Q235-B,C,D		
			S235JRG2			RSI 37-2	SN400C				
			S235J0			St 37-3					
			S235J2G3								
			S235J2G4								
245							G3101-SS400	3678-250	Q255-A		
250		A36					G3106-SM400A				
255											
275			S275		43A	St 46-3					
285							G3101-SS490				
295		A242-48.5	E295			St 50-2					
310											
315	A242-3										
245	Charpy Impact Test					RSI 42-1	G3101-SM400B	3678-250L15	Q255-B		
250						Ret 42-2	-SM400C				
255					40EE						
260					43B, 43C	St 44-2					
275			S275JR		43D, 43EE	St 44-3					
			S275J0			RSI 46-2					
		S275J2G3			RSI 46-3						
		S275J2G4									



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		ASTM	EN 10025	EN 10155	BS 4360	DIN 17100	JIS	AS/NZS	GB 700
325		A242-1&2 A588-A,B,C,K	E335			St 60-2	G3106-SM490A	3678-WR350	
335									
340									
345									
350	3678-WR350L0								
325	Charpy Impact Test						G3106-SM490B SM490C G3136-SN490B SN490C	3678-WR350L0 350L13	
340									
350									
355			S355		50A				
365			E360			St 70-2	G3106-SM490YA		
355	Charpy Impact Test		S355JR S355J0 S355J2G3 S355J2G4 S355K2G3 S355K2G4	S355H0WP S355J2WP S355J0W S355J2G1W S355J2G2W S355K2G1W S355K2G2W	50B, 50C 50D, 50DD 50EE WR50A WR50B WR50C	St 52-3			G3106-SM490YB SM520B SM520C
365									
380		A570-55							
390					50F				
400							G3101-S5540		
415		A572-60							
450		A572-65							
450	Charpy Impact Test				55C, 55EE				
460					55F		G3106-SM570		