

## Çelik Çekme Boruların Max. Kullanım Sıcaklıkları / Max. Service Temperatures of Seamless Steel Pipes

Max. Kullanım Sıcaklığı / Max. Service Temperature	ASTM	DIN 17175	BS 3059-3601 3602-3603 3604-3606	AFNOR NF A 49-213 NF A 49-215	JIS G 3456 G 3458 G 3461 G 3462	GOST TY-14-3-460-75
	ABD / USA	Almanya / Germany	İngiltere / U.K.	Fransa / France	Japonya / Japan	Rusya / Russia
-100° C -45° C	A 334 Gr 3 A 334 Gr 1	No Ni 14	503 LT 430 LT	TU 10 N 14 TU 42 BT		
475° C	A 179 A 106 Gr A A 192	St. 35.8	320 360	TU 37 C	STPT 38 STB 35	
	A 106 Gr B A 210 Gr A1	St.45.8	430	TU 42 C	STPT 42 STB 42	20
	A 106 Gr C A 210 Gr C	17 Mn 4	440	TU 48 C	STPT 49	
		19 Mn 5	500 Nb	TU 52 C	STB 52	
500° C		15 Mo 3	243	TU 15 D 3		
	A 209 T 1 A 335 P 1	16 Mo 5	245		STBA 12 STPA 12 STBA 13	
550° C	A 213 T 2 A 335 P 12			TU 15 CD 2.05	STBA 20 STPA 20	
560° C	A 213 T 12 A 335 P 12	13 Cr Mo 44	620-460	TU 13 CD 4.04	STBA 22 STPA 22	15 X M
575° C	A 213 T 11 A 335 P 11		621	TU 10 CD 5.05	STBA 22 STPA 23	
600° C						12 X 1 MF
	A 213 T 5 A 335 P 5 A 213 T 22 A 335 P 22	12 Cr Mo 19 S 10 Cr Mo 9 10	625 622-490	TU Z 10 CD 05.05 TU Z 12 CD 05.05 TU 10 C 9.10	STBA 25 STPA 25 STBA 24 STPA 24	
		14 MoV 63				
						15 X 1 M 1F
625° C	A 213 T 9 A 335 P 9	X 12 Cr Mo 91	629-470 629-490	TU Z 10 CD 09	STBA 26 STPA 26	
650° C	A 213 T 91 A 335 P 91	X 10 CrMoVNb 9-1		TU Z 10 CDVNb 09.01 TU Z 10 CDNbV 09.02		