























## Malzeme Gereksinimleri Materials Requirements

ASTM

### Yüzde Olarak Kimyasal Gereksinimler Chemical Requirements In Percent

Nikel Nickel Ni	Molibden Molybdenum Mo	Bakır Copper Cu	Vanadyum Vanadium V	Kolomb Columbium Nb/Cb	Diğerleri Others	ASTM Grades
-----------------------	------------------------------	-----------------------	---------------------------	------------------------------	---------------------	----------------

### Karbon Çelikler Carbon Steels

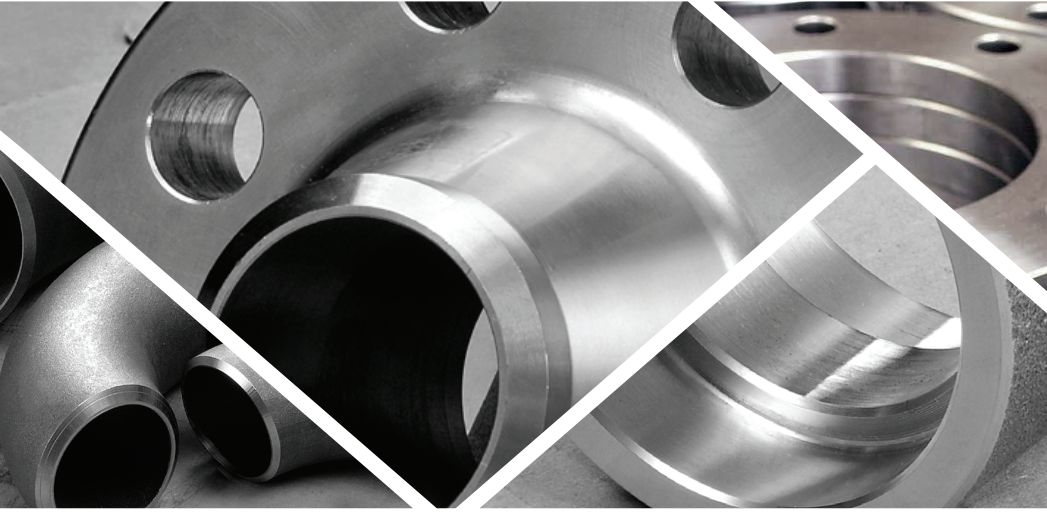
0,40 maxi	0,12 maxi	0,40 maxi	0,05 maxi	0,02 maxi		A 105 / 105 M-98
						A 181-A 181 M-95 b Class 60
						A 181-A 181 M-95 b Class 70

### Yüksek Sıcaklıkta Servis İçin Alaşımli Çelikler Alloy Steels For High Temperature Service

	0,44 - 0,65					F1	A 182 / A 182 M-98a
	0,44 - 0,65					F2	
0,50 maxi	0,44 - 0,65					F5	
	0,90 - 1,10					F9	
	0,44 - 0,65					F11 Class 2	
	0,44 - 0,65					F12 Class 2	
	0,87 - 1,13					F22 Class 3	
8,0 - 11,0						F304	
8,0 - 13,0						F304 L	
10,0 - 14,0						F316	
10,0 - 15,0						F316 L	
9,0 - 12,0					5 C ≤ Ti ≤ 0,70 %	F321	
9,0 - 13,0					10 C ≤ Cb ≤ 1,10 %	F347	
9,0 - 13,0					10 C ≤ Cb ≤ 1,10 % Ta ≤ 0,10 %	F348	
19,0 - 22,0						F310	

### Düşük Sıcaklık İçin Çelikler Steels For Low Temperature Service

0,40 maxi	0,12 maxi	0,40 maxi	0,05 maxi	0,02 maxi		LF 1	A 350/A350 M-99
0,40 maxi	0,12 maxi	0,40 maxi	0,05 maxi	0,02 maxi		LF 2	
3,3 - 3,7	0,12 maxi	0,40 maxi	0,03 maxi	0,02 maxi		LF 3	



**Merkez Ofis ve Fabrika**  
Central Office & Factory

Anadolu Osb. 29 Ekim Cad. No:59  
Sincan / Ankara TÜRKİYE

Hasenkamp 25a, 25482 Appen / GERMANY

T: + 90 312 385 15 75  
F: + 90 312 385 15 72

E: [info@turvafit.com](mailto:info@turvafit.com)  
© Turva

[www.turvafit.com](http://www.turvafit.com)