

Quality	F5
According to Standard	ASTM A 182/A 182M - 10a
Number	-



Comparable Standards	EN	W.N.	BS						
	X15CrMo5-1	1.7390	-						

Chemical Analysis	C %	Mn %	Si %	P%	Cr %	Ni %	Mo %	S%	Other Elements
	0.15	0.30 to 0.60	0.50	0.030	4.0 to 6.0	0.5	0.44 to 0.65	0.030	—

Hot Work and Heat Treatment

Grade	Heat Treat Type	Austenitizing/Solutioning Temperature, Minimum or Range, °F [°C]^	Cooling Media	Quenching Cool Below °F [°C]	Tempering Temperature, Minimum or Range, °F [°C]
Low Alloy Steels					
F 5	anneal	1750 [955]	furnace cool	-	-
	normalize and temper	1750 [955]	air cool	-	1250 [670]

Mechanical Properties at Room Temperature

Grade Symbol	Tensile Strength, min, ksi [Mpa]	Yield Strength, min, ksi [Mpa]	Elongation in 2 in, [50 mm] of 4D, min, %	Reduction of Area, min, %	Brinell Hardness Number, HBW
F 5	70 [485]	40 [275]	20	35	143 - 217