



# M/s. Chhaganlal Dharamchand Shah

## ALLOY STEELS

COMMON DESCRIPTION	ASTM SPECIFICATION						UNS DESIGN GRADE	CHEMICAL ANALYSIS NOMINAL								NOMINAL MECHANICAL PROPERTIES		
	PLATE	PIPE	FITTINGS	FLANGES/ FORGINGS	CAST VALVES	TUBES		C <	SI <	Mn <	Cr	Mo	Ni	Cu	Others	Tensile min MPa	Yield Point RP 0.2 min MPa	Elongation In 2or4D rain,%
3-1/4% Ni	A203-	A333	A420	A350	-	A334	-	0.19	0.18-0.37	0.31-0.64	-	-	3.18-3.82	-	-	450	240	30
1Cr-1/2Mo	A387	A335	A234	A182	-	A213	12	0.15	<0.50	0.3-0.61	0.8-1.25	0.44-0.65	-	-	-	415	205	30
1/4Cr-1/2Mo	A387	A335	A234	A182	A217	A213	11	0.15	0.5-1.0	0.3-0.6	1.0-1.5	0.44-0.65	-	-	-	415	205	30
2-1/4Cr-1Mo	A387	A335	A234	A182	A217	A213	22	0.15	<0.50	0.3-0.6	1.9-2.6	0.87-1.13	-	-	-	415	205	30
5Cr-1/2Mo	A387	A335	A234	A182	A217	A213	5	0.15	<0.50	0.3-0.6	4.0-6.0	0.45-0.65	-	-	-	415	205	30
9Cr-1Mo	A387	A335	A234	A182	A217	A213	9	0.15	0.25-1.0	0.3-0.6	8.0-10.0	0.9-1.1	-	-	-	415	205	30

Since 1969