



## M/s. Chhaganlal Dharamchand Shah

### STAINLESS 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 2 or 40 min,%
								<	<	<								
18.8	A240	A312	A403	A182	A351	A269	304	0.08	1	2	18.0-20.0	-	8.0-10.5	-	-	515	205	28-40
18.8	A240	A312	A403	A182	-	A269	304 L	0.035	1	2	18.0-20.0	-	8.0-12.0	-	-	485	170	28-40
18.8	A240	A312	A403	A182	-	A271	304 H	0.04-0.10	1	2	18.0-20.0	-	8.0-11.0	-	-	515	205	28-40
310	A240	A312	A403	A182	A351	A213	310	0.25	1.5	2	24.0-26.0	-	19.0-22.0	-	-	515	205	28-40
310 S	A240	-	-	-	-	A213	310 S	0.08	1.5	2	24.0-26.0	-	19.0-22.0	-	-	515	205	28-40
18-10	A240	A312	A403	A182	A351	A269	316	0.08	1	2	16.0-18.0	2.00-3.00	10.0-14.0	-	-	485	205	28-35
18-10	A240	A312	A403	A182	-	A269	316 L	0.035	1	2	16.0-18.0	2.00-3.00	10.0-14.0	-	-	515	170	28-40
18-10	A240	A312	A403	A182	-	A271	316 H	0.04-0.10	1	2	16.0-18.0	2.00-3.00	10.0-14.0	-	-	515	205	28-40
316 Ti	A240	-	-	-	-	-	316Ti	0.08	1	2	16.0-18.0	2.00-3.00	10.0-14.0	-	(C+N) min-0.70	515	205	28-40
317	A240	A312	A403	A182	-	A269	317	0.08	1	2	18.0-20.0	3.00-4.00	11.0-15.0	-	-	515	205	28-35
18-10 Ti	A240	A312	A403	A182	-	A269	321	0.08	1	2	17.0-19.0	-	9.0-12.0	-	Ti 5 X C min	515	205	28-40
18-10 Ti	A240	A312	A403	A182	-	A271	321 H	0.04-0.10	1	2	17.0-20.0	-	9.0-12.0	-	Ti4 Xc - 0.60	515	205	28-40
18-10 Cb	A240	A312	A403	A182	A351	A269	347	0.08	1	2	17.0-19.0	-	9.0-13.0	-	Cb 10 x C min	515	205	28-40
Duplex	A240	A790	A815	A182	-	A789	S31803	0.03	1	2	21.0-23.0	2.50-3.50	4.5-6.5	-	N 0.08-0.2.0	620	450	25
6 Mo	A240	A312	A403	A182	-	A269	S31254	0.02	0.8	1	19.5-20.5	6.00-6.50	17.5-18.5	0.5-1.0	N 0.18-0.22	650	300	28-35
Super Duplex	A240	A790	A815	A182	-	A789	S32750	0.03	0.8	1.2	24.0-26.0	3.00-5.00	6.0-8.0	0.5	N 0.24-0.32	800	550	15
Super Duplex	A240	A790	A815	A182	-	A789	S32760	0.05	1	1	24.0-26.0	3.00-4.00	6.0-8.0	0.5	N 0.20 -0.30	750(895max)	550	25
410	A240	A268	A815	A182	-	A268	410	0.15	0.75	1	11.5-13.5	-	0.5	-	W 0.50 -1.00	415	215	20