

Sheets / Plates

Sheets, Plates, Stainless Steel Sheet, Stainless Steel Plates, Metal Sheet, Buttweld Pipe Fittings, Mumbai, India.



User Industries :

Chemicals, Fats & Fertilizers, Sugar Mills & Distilleries, Cement Industries, Ship Builders, Paper Industries, Pumps, Petrochemicals, Oil & Natural Gas Organization in terms of the specific materials, Technology, Finance & Personal.

Product Range :

The following table represents size rang, product standards and materials grades of Sheets and Plates :

DESCRIPTION	SIZE RANGE	SPECIFICATION	GRADES
Stainless Steel Sheet, Plates and Chequered Plate.	1 mm to 200 mm Thickness.	ASTM A240 ASTM B625	304, 304H, 304L, 309, 310, 316, 316L, 321, 409, 410, 420, 430, 904L etc.
Mild & Carbon Steel Sheets / Plates Boiler Quality Plates Mild Steel Chequered Plate	1 mm to 200 mm Thickness.	IS – 226, 2002, 2062 ASTM A515 Grade 55, 60, 65, 70 ASTM A516 Grade 55, 60, 65, 70 ASTM A537 Class 1, 2 ASTM A36, ASTM A572 Grade 42, 50, 65 ASTM A387 Grade 5, 9, 11, 12, 22,	

FOR STAINLESS STEEL PLATES

Range Of Finishes

Finish No.	Description	Remarks
1	Hot rolled, annealed & pickled	Used where surface finish is not a constraint
CR	Work hardened	Used where higher hardness & springiness is required
2D	Cold rolled, annealed & pickled	Uniform matt finish for general applications
2B	Cold rolled, annealed, pickled & skin passed	Smooth finish for general applications
3	Cold rolled, annealed pickled & polished with 100 to 120 grit abrasive	For decorative applications
4	Cold rolled, annealed pickled & polished with 100 to 150 grit abrasive	For decorative applications
8	Cold rolled, annealed pickled, skin passed & buffed	As press plates, for electronic equipment frames and decorative applications
Hairline	Cold rolled, annealed, pickled, skin passed and scotched	Decorative applications

Other Characteristics

Stainless Steel Grade Designation	Abrasion Resistance	Cold Forming (Drawing and	Weldability	Scaling Temp. °C
SS301	Good	Good	Excellent	800
SS304	Good	Excellent	Excellent	900
SS304L	Good	Excellent*	Excellent	900
SS310S	Good	Good	Excellent	1100
SS316	Good	Good	Excellent	900
SS316L	Good	Good	Excellent	900
SS321	Good	Good	Excellent	900
SS409	Good	Fair	Fair	700
SS409M	Good	Fair	Good	800
SS410S	Good	Fair	Fair	700
SS430	Good	Fair	Fair	800
SS430Ti	Good	Fair	Good	800

* Less Work Hardening

Relative Corrosion Resistance

Stainless Steel Grade Designation	Atmosphere			Salt Water	Chemical		
	Mild And Fresh Water	Industrial	Marine		Mild	Oxidising	Reducing
SS301	x	x	x		x	x	
SS304	x	x	x		x	x	
SS304L	x	x	x		x	x	
SS310S	x	x	x		x	x	
SS316	x	x	x	x	x	x	x
SS316L	x	x	x	x	x	x	x
SS321	x	x	x		x	x	
SS409	x				x		
SS409M	x				x		
SS430	x	x			x	x	
SS430Ti	x	x			x	x	
SS410S	x				x		
SS420	x						

'x' indicates that the grade is resistant to the corrosive environment.
More specific information can be provided on request.

Mechanical Properties*

Stainless Steel Grade Designation	Condition	UTS N/mm2 Min	0.2% Proff Stress N/mm2 Min	% Elongation on 50 mm Gl Min	Hardness RB Max
SS301	Annealed	515	205	40	88
SS304	Annealed	515	205	40	92
SS304L	Annealed	485	170	40	88
SS310S	Annealed	515	205	40	95
SS316	Annealed	515	205	40	95
SS316L	Annealed	485	170	40	95
SS321	Annealed	515	205	40	95
SS409	Annealed	380	205	20	80
SS409M	Annealed	380	205	25	90
SS410S	Annealed	415	205	22	88
SS430	Annealed	450	205	22	88

*Consult for specific property requirements