

STAINLESS, CARBON, ALLOY & SPECIALTY METALS MATERIAL COMPATIBILITY CHART

MATERIAL	UNS	GRADE	CONFIGURATIONS									
			PIPE	TUBE	FITTINGS	FLANGES FORGINGS	PLATE	BAR				
Chrome Alloy	K11522	P1/WP1/F1	A/SA 335									
	K41545	P5/T5/WP5/F5/GR 5										
	S50400 K90941	P9/T9/WP9/F9/GR 9	A/SA 335 691	A/SA 213	A/SA 234	A/SA 182	A/SA 387	A/SA 336				
	K11597	P11/T11/WP11/GR 11										
	K21590	P22/T22/WP22/F22/GR 22										
	K91560 K90901	P91/T91/WP91/F91/GR 91										
Stainless High Temp	S30900 S30908 S30909	TP309S/H,WP309,F309H	A/SA 312	A/SA 213/249	A/SA 403	A/SA 182	A/SA 240 A167	A/SA 276/479				
	S31000 S31008 S31009	TP309S/H,WP310H,F310/H										
	Stainless Austenitic	S31254	S31254/WP31254/F44	A/SA 312/376			A/SA 213 249 A269		A/SA 403	A/SA 182	A/SA 240	A/SA 276/479
		S30400	TP304/WP304/F304/TYPE304									
S30403		TP304L/WP304L/F304L										
S31600		TP316,WP316,F316,TYPE316										
S31603		TP316L,WP316L,F316L,TYPE316L										
S31700		TP317,WP317,F317,TYPE317										
S31703		TP317L,WP317L,F317L,TYPE317L										
S32100		TP321,WP321,F321,TYPE321	A/SA 213/249		A/SA 213/249	A/SA 403	A/SA 182	A/SA 240			A/SA 276/479	
S34700		TP347,WP347,F347,TYPE347										
S30409		TP304H,WP304H,F304H,TYPE304H										
S31609		TP316H,WP316H,F316H,TYPE316H										
S31725		S31725,WP31725,TYPE317LM										
S32109		TP321H,WP321H,F321H,TYPE321H										
S34709		TP347H,WP347H,F347H,TYPE347H										
S31254	S31254/WP31254/F44											
Duplex	S32205	TP32205,WP32205,F60,TYPE 2205	A/SA 790	A/SA 789	A/SA 815	A/SA 462	A/SA 240 B/ SB 463	B/SA 473				
Stainless Martensitic	S41000	TP410,WP410,F6a		A/SA 268								
Alloy Carpenter 20	N08020		B/SB 464/729	B/SB 468/729	B/SB 462	B/SB 462	A/SA 240 B/ SB 463	B/SB 473				
Carbon Steel		GRADE A	A/SA 53/106/672 IS 1239 PT. II IS 3589 GR.330 IS 3589 GR.440	A/SA 178 A500	A/SA 234	A/SA 105	A/SA 36/285	A/SA 29 A108				
		GRADE B		A 500								
		GRADE C		A/SA 178/210 A 500								
Low Temp		GRADE 1,WPL6,LF1	A/SA 333/671	A/SA 192/334	A/SA 420	A/SA 350	A/SA 36	A/SA 29 A108				
		GRADE 3,WP9,LF3										
		GRADE 6,WPL3,LF6										
AL6XN N08367	N08367		B/SB 675/690	B/SB 676	B/SB 462	B/SB 462	B/SB 688	B/SB 691				
Monel 400 N04400	N04400		B/SB 165	B/SB 163/165	B/SB 366	B/SB 564	B/SB 127	B/SB 164				
Inconel 600 N06600	N06600		B/SB 167	B/SB 163/165/167			B/SB 168	B/SB 166				
Inconel 625 N06625	N06625		B/SB 444/704	B/SB 444/705			B/SB 443	B/SB 446				
Incoloy	N08800	Alloy 800	B/SB 407	B/SB 163/165			B/SB 366	B/SB 564	B/SB 168	A/SA 276/479		
	N08810	Alloy 800H			B/SB 409							
	N08811	Alloy 800HT										
Hastelloy	N10276	C276	B/SB 619/622	B/SB 622/626		B/SB 564	B/SB 575	B/SB 574				
Titanium			B/SB 861/862	B/SB 338			B/SB 265	B/SB 348				
Boiler/Heat Exchanger Tubes				BS 6323 PT. V BS 3059 GR. 320 BS 3059 GR. 360 A/SA 179/182/192								
A1				A/SA 210 GRADE A-1								
Mechanical Stainless Tubing				A 511/554								