

# SPECIALTY METALS

**TABLE: DUPLEX GRADES AND THEIR APPLICATIONS**

COMMON NAME	UNS NO	FORMS AVAILABLE*	C	Cr	Ni	Mo	N	Cu	OTHER	TYPICAL APPLICATIONS
+	S32101	Sheet, Plate, Pipe, Fittings	0.03	21.5	1.5	0.5	0.22	0.5	5.0Mn	Corrosion resistance approaching that of 316, with higher strength and stress corrosion cracking resistance. Storage tanks and structural applications.
+	S32304	Sheet, Plate, Pipe, Fittings	0.03	23.0	4.0	-	0.1	-	-	Similar corrosion resistance to 316L. Higher yield strength and stress-corrosion cracking resistance. Used where high corrosion resistance is required in marine, mining, chemical, food and power industries. Particularly useful in nitric acid.
2205	S31803	Plate, Pipe, Bar, Fittings	0.03	22.0	5.5	3.0	0.14	-	-	Superior corrosion resistance to 316L and 317L combined with high strength. Excellent stress corrosion and abrasion resistance. Typically used in heat exchangers, gas scrubbers, fans, chemical tanks, flowlines, marine and refinery applications.
	S32205	Plate, Pipe, Bar, Fittings	0.03	22.5	5.5	3.2	0.18	-	-	
+	S32550	Plate, Sheet, Pipe, Bar, Fittings	0.03	25.0	5.5	3.0	0.15	2.0	-	Excellent resistance to corrosion by seawater, acids and salts combined with high strength, abrasion resistance and weldability.
+	S32750	Plate, Pipe, Bar, Fittings	0.03	25.0	7.0	4.0	0.3	-	-	Extremely high resistance to corrosion in severe marine, chloride and acid environments. Suitable for heat exchangers, reactors, pipework etc.
+	S32760	Plate, Pipe, Bar, Fittings	0.02	25.0	7.0	3.5	0.25	0.7	0.7 W	
+	S32520	Plate, Pipe, Bar, Fittings	0.02	25.0	6.5	3.5	0.25	1.6	-	

\* Compatible or equivalent grades also available in castings.

+ Proprietary alloy names apply.