

STAINLESS STEEL SHEET & PLATE

GRADE	FINISH	THICKNESS RANGE	YS TYPICAL	TS TYPICAL	HARDNESS TYP	SPECIFICATION	USE APPLICATIONS
STAINLESS 304 STAINLESS 304 L	2B 2B	0.55mm to 4mm 5mm to 6mm	> 205 MPa	> 515 MPa	180 to 200 BHN	ASTM A240M JIS SUS 304 JIS SUS 304L	Grade 304 is the standard austenitic stainless; it is the most versatile and most widely used stainless steel. It has excellent forming and welding characteristics.
STAINLESS 304 L	No.1	8mm to 25mm	> 170 MPa	> 485 MPa	180 to 200 BHN	JIS SUS 304L	Grade 304L, the low carbon version of 304, does not require post-weld annealing and so is extensively used in heavy gauge components (about 5mm and over).
STAINLESS 316 STAINLESS 316 L	2B 2B	0.55mm to 3mm 4mm to 6mm	> 205 MPa	> 515 MPa	220 to 220 BHN	ASTM A240M JIS SUS 316 JIS SUS 316L	Grade 316 is the standard molybdenum-bearing austenitic grade, second stainless steel in importance to 304. The molybdenum gives 316 better overall corrosion resistant properties than Grade 304, particularly higher resistance to pitting and crevice corrosion in chloride environments.
STAINLESS 316 L	No. 1	8mm to 25mm	> 170 MPa	> 485 MPa	220 to 240 BHN	JIS SUS 316L	Grade 316L, the low carbon version of 316, is highly resistant to sensitisation and is extensively used in heavy gauge welded components (about 5mm and over)
STAINLESS 2205	No. 1	On request	> 450 MPa	> 620 MPa	260 to 300 BHN	JIS SUS 32913L SS 2377	Grade 2205 is the most widely used duplex stainless steel grade. It finds applications due to both excellent corrosion resistance and high strength.
STAINLESS 3CR12	No. 1	On request	> 280 MPa	> 450 MPa	160 to 180 BHN		This "utility stainless steel" has been developed as a readily fabricated, low cost grade, exhibiting good resistance to wet abrasion and mildly corrosive environments
STAINLESS 253MA			> 310 MPa	> 600 MPa	220 to 250 MPa	SS 2368	Grade 253MA is a grade combining excellent service properties at high temperatures with ease of fabrication. It resists oxidation at temperatures up to 1150°C.
STAINLESS 304 FLOOR PLATE	Tread Pattern	3.5mm to 4.5mm	> 205 MPa	> 515 MPa	180 to 200 BHN	ASTM 240M 304	Floor plate variant of Grade 304, typically used for platforms or walkways.
STAINLESS 316 FLOOR PLATE	Tread Pattern	3.5mm to 4.5mm	> 205 MPa	> 515 MPa	220 to 220 BHN	ASTM 240M 316	Floor plate variant of Grade 316, typically used for platforms or walkways in the food industry or where corrosion is an issue.