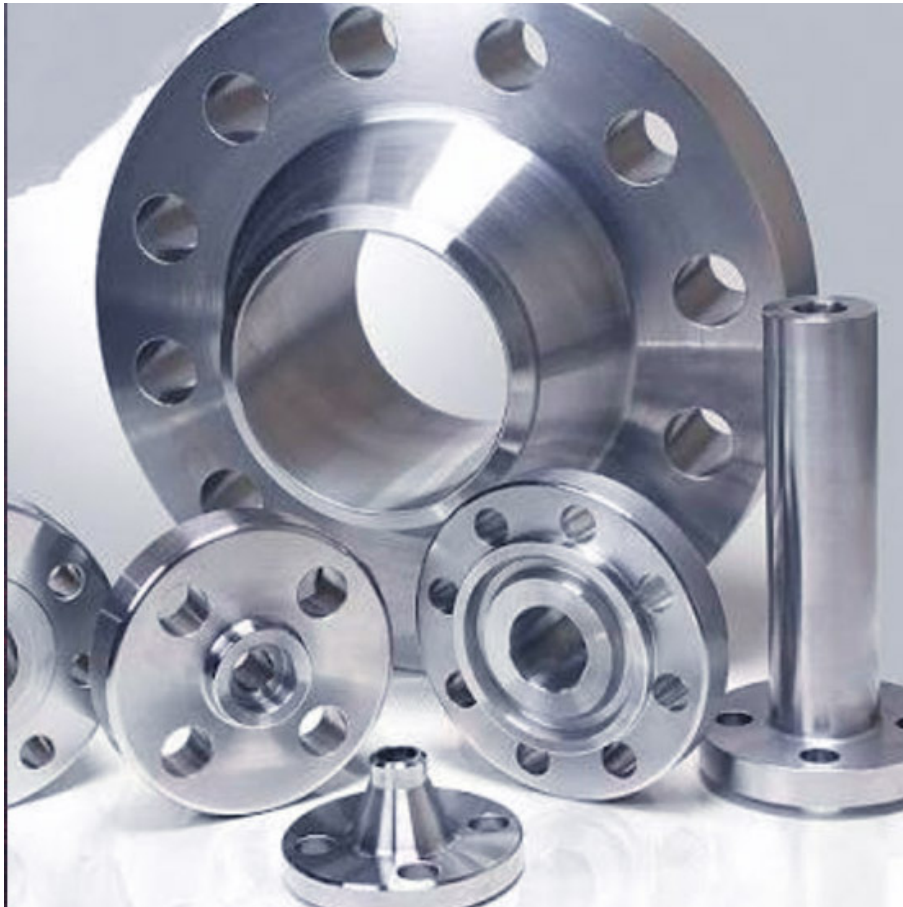




SS 304 / 304L

FLANGES

M A N U F A C T U R E R



ASTM A182 | SS 304 / 304L | WNR 1.4301 / 1.4306 / 1.4307 | UNS S30400 / S30403

SS 304 / 304L FLANGE SPECIFICATIONS



SIZE RANGE

1/2" (15 NB) to 48" (1200NB)

CLASS / PRESSURE RATING

150#, 300#, 600#, 900#, 1500#,
2500#, PN6, PN10, PN16, PN25,
PN40, PN64 etc.



STANDARDS / DIMENSIONS

ANSI/ASME B16.5, B16.47 Series A
& B, B16.48, BS4504, BS 10, EN-
1092, DIN, BS, GOST, MSS SP-44,
ISO 70051, JIS B2220, BS1560-3.1,
API7S-15, API7S-43, API605



SS 304 / 304L FLANGE SPECIFICATIONS



CONNECTION TYPE

Ring Joint Flange (RTJ), Flat Face Flange (FF), Raised Face Flange (RF), Male and Female Flange (M & F), Lap Joint Flange, Large and Small Tongue-and-Groove Flange (T & G)

MATERIAL STANDARDS

ASTM A182 / ASME SA182



Materials & Grades

Stainless Steel 304 and 304L



ASTM A182 Stainless Steel 304/304L Flanges Equivalent Grade

STANDARD	DIN	UNS	JIS	BS	GOST	AFNOR	EN
SS 304	1.4301	S30400	SUS 304	304S31	08X18H10	Z7CN18-09	X5CrNi18-10
SS 304L	1.4306 / 1.4307	S30403	SUS 304L	3304S11	03X18H11	Z3CN18-10	X2CrNi18-9 / X2CrNi19-11

ASTM A182 SS Grade F304/304L Flanges Chemical Composition

Grade	C	Mn	Si	P	S	Cr	Mo	Ni	N
SS 304	min.	-	-	-	-	-	18.0	-	8.0
	max.	0.08	2.0	0.75	0.045	0.030	20.0	-	10.5
SS 304L	min.	-	-	-	-	-	18.0	-	8.0
	max.	0.030	2.0	0.75	0.045	0.030	20.0	-	12.0

SS UNS S30400/ S30403 Flanges Mechanical Properties

Element	Density	Melting Point	Tensile Strength	Yield Strength (0.2%Offset)	Elongation
SS 304/304L	8.0 g/cm3	1400 °C (2550 °F)	Psi - 75000 , MPa - 515	Psi - 30000 , MPa - 205	35 %



OMAAFORGED.COM

SALES@OMAAFORGED.COM

For Dimensions Visit

<https://www.omaaforged.com/weld-neck-flange-asme-ansi-b16-47-b16-5/>
<https://www.omaaforged.com/long-weld-neck-flange-asme-ansi-b16-47-b16-5/>
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