



SS 904L

FLANGES

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



ASTM A182 | SS 904L | WNR 1.4539 | UNS N08904

SS 904L 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 904L 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 904L

Stainless Steel Grade 904L Flanges Equivalent Grade

STANDARD	WERKSTOFF NR.	UNS	JIS	BS	KS	AFNOR	EN
SS 904L	1.4539	N08904	SUS 904L	904S13	STS 317J5L	Z2 NCDU 25-20	X1NiCrMoCu2 5-20-5

Stainless Steel Grade 904L Flanges Chemical Composition

Grade	C	Mn	Si	P	S	Cr	Mo	Ni	Cu
SS 904L	0.020 max	2.00 max	1.00 max	0.040 max	0.030 max	19.00 – 23.00	4.00 – 5.00 max	23.00 – 28.00	1.00 – 2.00

Stainless Steel Grade 904L Flanges Mechanical Properties

Element	Density	Melting Point	Tensile Strength	Yield Strength (0.2%Offset)	Elongation
904L	7.95 g/cm ³	1350 °C (2460 °F)	Psi – 71000 , MPa – 490	Psi – 32000 , MPa – 220	35 %



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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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<https://www.omaaforged.com/bleed-ring-flange-drip-ring-flange-vent-ring-flange-asme-ansi-b16-47-b16-5/>

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