

## Specification

<b>Size</b>	:	½" (15 NB) to 48" (1200NB)
<b>Class</b>	:	150#, 300#,400 #,600#,900#, 1500# & 2500 #.
<b>Standards</b>	:	ANSI, MSS, API, AWWA, DIN, JIS, BS and GB.
<b>Material</b>	:	Carbon steel, stainless steel and alloy steel.
<b>Type</b>	:	Threaded, Slip-On, Welding Neck
<b>Features</b>	:	Dimensional accuracy, Corrosion resistance, High efficiency, Excellent finish, Durable

### **Stainless Steel Ring Type Joint Flanges**

<b>Standard</b>	:	ASTM / ASME A/SA 182
<b>Grades</b>	:	F 304, 304L, 304H, 309S, 309H, 310S, 310H, 316, 316TI, 316H, 316L, 316LN, 317, 317L, 321, 321H, 347, 347H, 904L, 17-4PH, 15-5PH

### **Duplex And Super Duplex Steel Ring Type Joint Flanges**

<b>Standard</b>	:	ASTM / ASME A/SA 182
<b>Grades</b>	:	F 44, F 45, F51, F 53, F 55, F 60, F 61

### **Aluminium Ring Type Joint Flanges**

<b>Standard</b>	:	ASTM B247, B361.
<b>Grades</b>	:	2024, 6061, 6063, 6101, 7075

### **Titanium Ring Type Joint Flanges**

Standard : ASTM B381  
Grades : Grade 1, Grade 2, Grade 4, Grade 5, Grade 6, Grade 7, Grade 9, Grade 19, Grade 23

### **Carbon Steel Ring Type Joint Flanges**

Standard : ASTM A 105/A694/ A350 LF3/A350 LF2  
Grades : F42/46/52/56/60/65/70

### **Low Temperature Carbon Steel Ring Type Joint Flanges**

Standard : ASTM A 350 LF2 / A350 LF3

### **Alloy Steel Ring Type Joint Flanges**

Standard : ASTM A182/A366 .  
Grade : F1/F5/F9/F11/F22/F12/F22/F23/F91 .

### **Nickel Alloy Ring Type Joint Flanges**

Standard : ASTM / ASME SB 564 / 160 / 472

<b>GRADES</b>	<b>UNS NO</b>	<b>WERKSTOFF NO</b>
HASTELLOY C 276 Ring Type Joint Flanges	UNS 10276	2.4819
HASTELLOY C 22 Ring Type Joint Flanges	UNS 6022	2.4602
NICKEL 200 Ring Type Joint Flanges	UNS 2200	2.4066
NICKEL 201 Ring Type Joint Flanges	UNS 2201	2.4068
MONEL 400 Ring Type Joint Flanges	UNS 4400	2.4360/2.4361
MONEL K500 Ring Type Joint Flanges	UNS 5500	2.4375
ALLOY 20/ 20CB 3 Ring Type Joint Flanges	UNS 8020	2.4660
INCONEL 600 Ring Type Joint Flanges	UNS 6600	2.4816

INCONEL 601 Ring Type Joint Flanges	UNS 6601	2.4851
INCONEL 625 Ring Type Joint Flanges	UNS 6625	2.4856
INCONEL 800/800H/HT Ring Type Joint Flanges	UNS 8800/8810/11	1.4958/1.4959
INCONEL 825 Ring Type Joint Flanges	UNS 8825	2.4858

**Copper Alloy Ring Type Joint Flanges**

Standard : ASTM / ASME SB 61 / 62 / 151 / 152.

Grade : C 70600 (CU -NI- 90/10) – Cupro Nickel Ring Type Joint Flanges  
C 71500 (CU -NI- 70/30) – Copper Nickel Ring Type Joint Flanges  
UNS NO. C 92200, UNS NO. C 83600, UNS NO. UNS NO C 10100, C 10200, C 10300, C 10800, C 12000, C 12200

**Test Certificate: Manufacturer Test Certificate as per EN 10204 / 3.1**