

WP304 Stainless Steel High Pressure Fittings Forged SW Socket Weld Cross

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: KASUGAI
- Certification: ISO-9001; PED; AD 2000
- Model Number: ASTM A403 WP304 ASME B16.11 Forged SW High Pressure Stainless Steel Socket-Welding Cross
- Minimum Order Quantity: TO BE NEGOTIATED
- Price: PER BASE MATERIAL PRICE
- Packaging Details: SEAWORTHY PACKING
- Delivery Time: 60 DAYS FOR ONE CONTAINER
- Payment Terms: L / C , T / T
- Supply Ability: 100 TONS / MONTH



Product Specification

- Product Name: ASTM A403 WP304 ASME B16.11 Forged SW High Pressure Stainless Steel Socket-Welding Cross
- Size Range: 1/8" To 4"
- Wall Thickness: SCH5, SCH10, SCH20, SCH30, SCH40, STD, SCH80, XS, SCH60, SCH80, SCH120, SCH140, SCH160, XXS
- Pressure Class: 3000 LBS, 6000 LBS, 9000 LBS
- Standards: ASTM A403
- Dimensions: ASME B16.11
- Highlight: **WP304 Stainless Steel Fittings, SW Stainless Steel High Pressure Fittings, High Pressure Socket Weld Cross**

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Product Description

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Standards	ASTM A403
Pressure Class	3000 LBS, 6000 LBS, 9000 LBS
Manufacturing Standards	ASME B16.11

Standards & Materials: ASTM A403

ASTM A403 Stainless Steel Pipe Fittings refers to the material of forged and rolled austenitic stainless fittings for pressure pipes. Common grades are WP304/L, WP316/L. They can be used into many fields as engineering industry, energy conversion plants etc.

ASTM A403 Chemical Compositions (%)

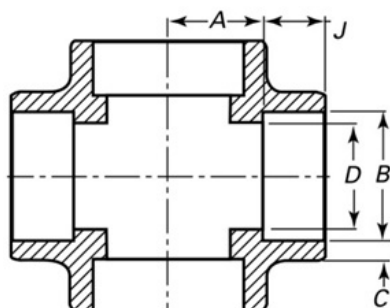
Grade A		Composition (%)								
Grade WP	UNS Designation	C	Mn	P	S	Si	Ni	Cr	Mo	Ti
WP304	S30400	0.08	2.00	0.045	0.030	1.00	8.0-11.0	18.0-22.0		
WP304L	S30403	0.030E	2.00	0.045	0.030	1.00	8.0-12.0	18.0-22.0		
WP310S	S31008	0.08	2.00	0.045	0.030	1.00	19.0-22.0	24.0-26.0		
WP316	S31600	0.08	2.00	0.045	0.030	1.00	10.0-14.0	16.0-18.0	2.00-3.00	
WP316L	S31603	0.030E	2.00	0.045	0.030	1.00	10.0-14.0	16.0-18.0	2.00-3.00	
Wp321	S32100	0.08	2.00	0.045	0.030	1.00	9.0-12.0	17.0-19.0		

Note:

Where a ellipsis () appears in the table, there is no requirement and the element need to be analyzed for or reported
The method of analysis for nitrogen shall be a matter of agreement between the purchaser and manufacturer
Columbium 0.10-0.30%; Vanadium 0.10-0.30%.

For small diameter or thin walls, or both, where many drawing passes are required, a carbon maximum of 0.04% is necessary in grades TP304L and TP316L. Small outside diameter tubes are defined as those less than 0.500in.(23.7mm) in outside diameter and light wall tubes as those less than 0.049in.(1.24mm) in average wall thickness

Dimensions of ASME B16.11 Socket-Welding (SW) Cross



The drawing of ASME B16.11 forged cross with socket welding (SW) ends **A**: center-to-bottom of socket; **B**: socket bore diameter; **C**: socket wall thickness; **D**: bore diameter of cross; **G**: body wall thickness; **J**: socket depth.

NPS	B max.	B min.	A 3000#	A 6000#	A 9000#
1/8"	11.2	10.8	11.0	11.0	-
1/4"	14.6	14.2	11.0	13.5	-
3/8"	18.0	17.6	13.5	15.5	-
1/2"	22.2	21.8	15.5	19.0	25.5
3/4"	27.6	27.2	19.0	22.5	28.5
1"	34.3	33.9	22.5	27.0	32.0
1-1/4"	43.1	42.7	27.0	32.0	35.0
1-1/2"	49.2	48.8	32.0	38.0	38.0
2"	61.7	61.2	38.0	41.0	54.0
2-1/2"	74.4	73.9	41.0	-	-
3"	90.3	89.8	57.0	-	-

4"	115.7	115.2	66.5	-	-
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NPS	G 3000# min.	G 6000# min.	G 9000# min.	J min.
1/8"	2.41	3.15	-	9.5
1/4"	3.02	3.68	-	9.5
3/8"	3.20	4.01	-	9.5
1/2"	3.73	4.78	7.47	9.5
3/4"	3.91	5.56	7.82	12.5
1"	4.55	6.35	9.09	12.5
1-1/4"	4.85	6.35	9.70	12.5
1-1/2"	5.08	7.14	10.15	12.5
2"	5.54	8.74	11.07	16.0
2-1/2"	7.01	-	-	16.0
3"	7.62	-	-	16.0
4"	8.56	-	-	19.0

NPS	3000#		6000#		9000#	
	D max.	D min	D max	D min	D max	D min
1/8"	7.6	6.1	4.8	3.2	-	-
1/4"	10.0	8.5	7.1	5.6	-	-
3/8"	13.3	11.8	9.9	8.4	-	-
1/2"	16.6	15.0	12.5	11.0	7.2	5.6
3/4"	21.7	20.2	16.3	14.8	11.8	10.3
1"	27.4	25.9	21.5	19.9	16.0	14.4
1-1/4"	35.8	34.3	30.2	28.7	23.5	22.2
1-1/2"	41.6	40.1	34.7	33.2	28.7	27.2
2"	53.3	51.7	43.6	42.1	38.9	37.4
2-1/2"	64.2	61.2	-	-	-	-
3"	79.4	76.4	-	-	-	-
4"	103.8	100.7	-	-	-	-

NPS	3000#		6000#		9000#	
	C max.	C min	C max.	C min	C max.	C min
1/8"	3.18	3.18	3.96	3.43	-	-
1/4"	3.78	3.30	4.60	4.01	-	-
3/8"	4.01	3.50	5.03	4.37	-	-
1/2"	4.67	4.09	5.97	5.18	9.35	8.18
3/4"	4.90	4.27	6.96	6.04	9.78	8.56
1"	5.69	4.98	7.92	6.93	11.38	9.96
1-1/4"	6.07	5.28	7.92	6.93	12.14	10.62
1-1/2"	6.35	5.54	8.92	7.80	12.70	11.12
2"	6.93	6.04	10.92	9.50	13.84	12.12
2-1/2"	8.76	7.67	-	-	-	-
3"	9.52	8.30	-	-	-	-
4"	10.69	9.53	-	-	-	-

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