IBR Approved

BS3799

Armech Alloys	IBR Approved	Manufacturer in India
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BS3799 standard (British Standard) available in socket weld and threaded fittings for the petroleum industry. BS3799 fittings suitable for harsh environments. BS3799 standard covers dimensions, temperature ratings, thread, and size requirements for both socket-welding and screwed fittings. ANSI B16.11/BS3799 are mostly used in small diameter pipes (2 NB) with low pressure. BS3799 nipples are offered in beveled ends per ASME B16.25.

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BS3799 Specification For Hex Nipple

BS3799 Specification

Standard BS3799	**Size Range** 1/8" To 4"	**Pressure Class** 3000# & 6000#
Threads NPT & BSPT	**Raw Material** Round Bar Seamless Pipe	**Types** Union Hex Nipple Boss
End Screwed Socket Welding	**Testing** Hardness Test	**Material** Stainless Steel Carbon Steel Alloy Steel

Refer BS3799 Union Price Size Range 1/8 To 3"

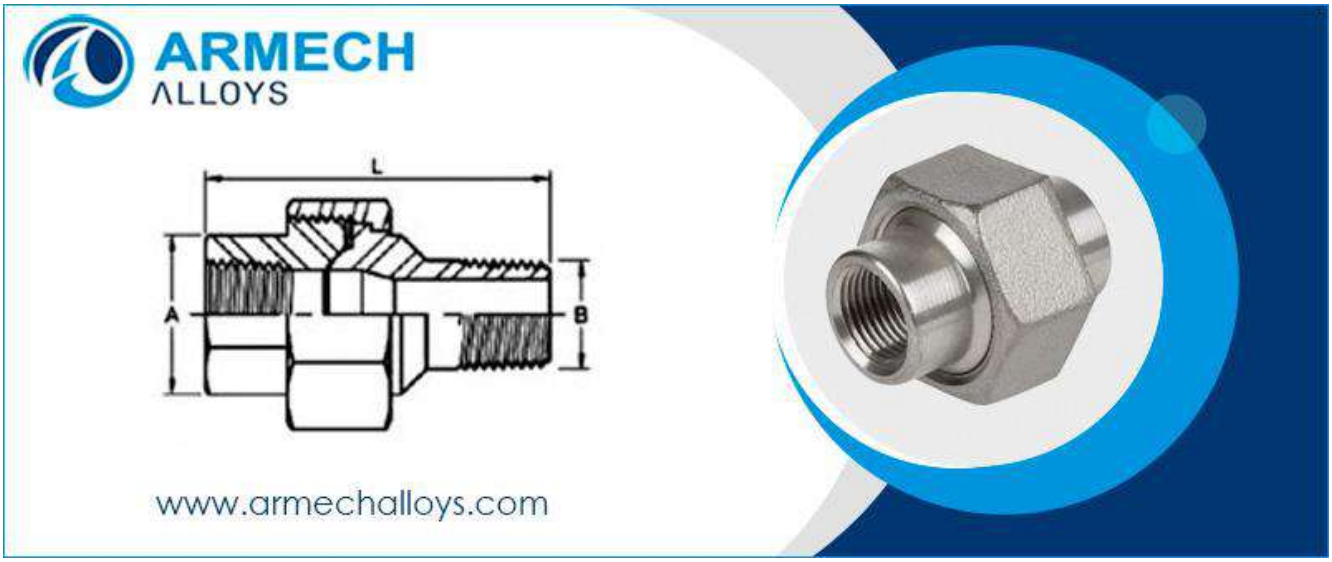
BS3799 Union Price List

- Material: Stainless Steel (F304)
- Size Range: ¼" To 3"
- Working Pressure: 150 PSI
- Thread: Female NPT x Female NPT

Size	Price in US (Dollar)	Price in UAE (Dirham)
1/4	US $3.75	AED 13.77
3/8	US $5.83	AED 21.41
1/2	US $7.49	AED 27.51
3/4	US $12.31	AED 45.21
1	US $18.21	AED 66.89
1 1/4	US $28.06	AED 103.06
1 1/2	US $34.40	AED 126.35
2	US $54.83	AED 201.39
2 1/2	US $67.62	AED 248.37
3	US $85.95	AED 315.69

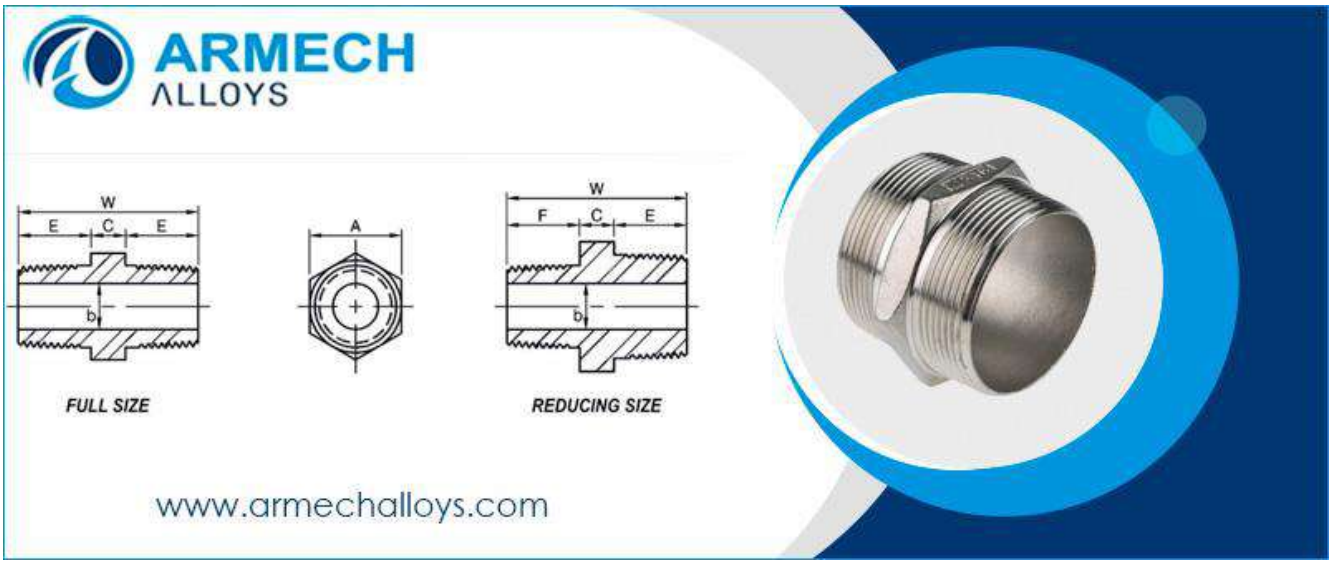
Check BS3799 Dimensions in Nipple, Boss, and Union as per ASME B16.11

BS3799 Union Dimensions



Size	L	A	B
1/4	55.4	19.0	13.7
3/8	60.0	22.9	17.1
1/2	68.0	27.7	21.3
3/4	75.9	33.5	26.7
1	86.0	41.4	33.4
1-1/4	95.1	50.5	42.2
1-1/2	100.5	57.2	48.3
2	112.1	70.1	60.3

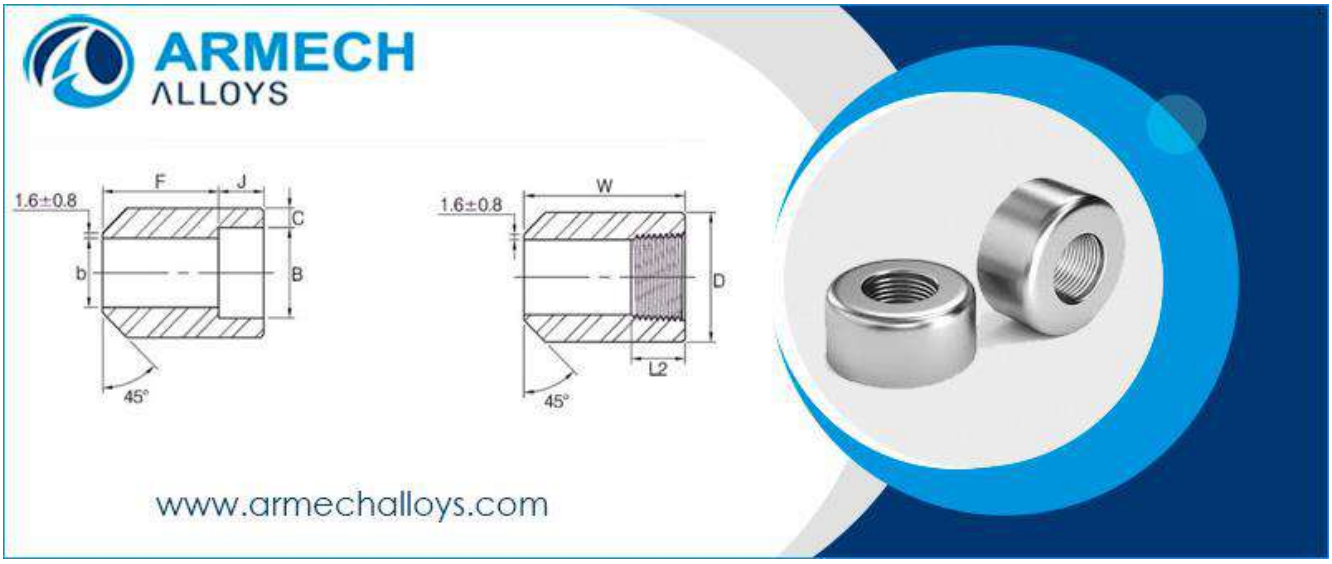
BS3799 Hex Nipple Dimensions



Reducing Size in (DN)	Equal Size in (Inch)	E (min)	A (min)	A (min)	B(1) & C (min) 3000#	(F) (min) 600#
26	1/8	2	10	10	6	-
36	1/4	6	15	15	6	-
31	1/4 x 1/8	2	15	15	6	10
40	3/8	8	16	16	8	-
39	3/8 x 1/4	6	16	16	8	15
48	1/2	8	14	14	-	-
44	1/2 x 3'8	8	20	20	8	16
43	1/2 x 1/4	6	20	20	8	15
52	3/4	1.3	21	21	10	-
50	3/4 x 1/2	9	21	21	20	-
46	3/4 x 3/8	6	21	21	9	16
60	1	17	25	25	10	-
56	1 x 3/4	13	25	25	10	21
55	1 x 1/2	11	25	25	10	20
68	14/2	30	26	26	16	-
67	1-1/2 x 1	17	26	26	16	25

63	1-1/2 x 3/4	13	26	26	16	21
62	1-1/2 x 1/2	11	26	26	16	20
27	2	-	39	39	-	-
27	2 x 1-7/2	25	30	30	-	-
27	2 x 1	18	17	17	25	-
27	2 x 3/4	21	13	13	-	-
27	2 x 1/2	20	11	11	-	-

BS3799 Boss Dimensions



Size	C (Min)	F	J (Min)	B (Min)
DN6	3.2	28.0	10.0	10.7
DN8	3.3	32.0	10.0	14.1
DN10	3.5	34.0	11.0	17.6
DN15	4.1	33.0	13.0	21.6
DN20	4.3	38.0	13.0	27.4
DN25	5.0	35.0	16.0	34.1
DN40	5.6	32.0	19.0	49.0
DN50	6.1	29.0	22.0	61.0
DN65	7.7	29.0	22.0	73.8
DN80	8.3	29.0	22.0	89.7