



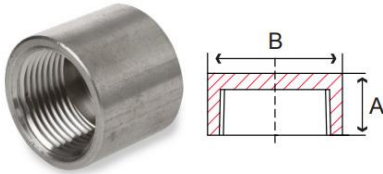
1000# Bar Stock Fittings

DIMENSIONAL DATA

Specifications:

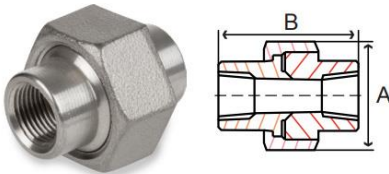
- Stainless bar stock dimensions conform to MSS SP-114
- Stainless bar stock conforms to ASTM A276 Grade T304 & T316
- NPT threads conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008 certified
- Fittings meet applicable chemical & mechanical properties
- Dimensions are for reference only and subject to change

Fig. BFS3414C & BFS3416C - Caps



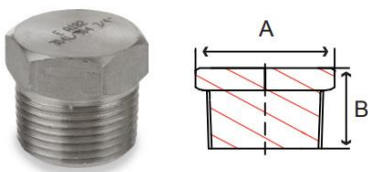
Size in	Part Number		A in	B in	Weight lb
	304	316			
1/8	BFS3414C001BB	BFS3416C001BB	0.68	0.62	0.05
1/4	BFS3414C002BB	BFS3416C002BB	0.68	0.74	0.07
3/8	BFS3414C003BB	BFS3416C003BB	0.80	0.86	0.09
1/2	BFS3414C004BB	BFS3416C004BB	0.93	1.05	0.1
3/4	BFS3414C006BB	BFS3416C006BB	1.05	1.29	0.4
1	BFS3414C010BB	BFS3416C010BB	1.35	1.60	0.5
1-1/4	BFS3414C012BB	BFS3416C012BB	1.60	1.95	0.6
1-1/2	BFS3414C014BB	BFS3416C014BB	1.60	2.15	0.6
2	BFS3414C020BB	BFS3416C020BB	1.74	2.71	1.2
2-1/2	BFS3414C024BB	BFS3416C024BB	2.34	3.32	3.5
3	BFS3414C030BB	BFS3416C030BB	2.54	4.10	6.2
4	BFS3414C040BB	BFS3416C040BB	2.65	5.07	9.2

Fig. BFBFS3414U & BFBFS3416U- Unions



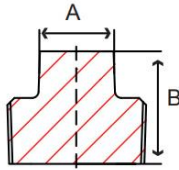
Size in	Part Number		A in	B in	Weight lb
	304	316			
1/8	BFS3414U001BB	BFS3416U001BB	1.17	1.48	0.2
1/4	BFS3414U002BB	BFS3416U002BB	1.17	1.48	0.2
3/8	BFS3414U003BB	BFS3416U003BB	1.37	1.60	0.3
1/2	BFS3414U004BB	BFS3416U004BB	1.48	1.91	0.4
3/4	BFS3414U006BB	BFS3416U006BB	1.79	1.92	0.6
1	BFS3414U010BB	BFS3416U010BB	2.11	2.34	0.9
1-1/4	BFS3414U012BB	BFS3416U012BB	2.48	2.59	1.3
1-1/2	BFS3414U014BB	BFS3416U014BB	2.96	2.96	2.2
2	BFS3414U020BB	BFS3416U020BB	3.59	3.04	2.9
2-1/2	BFS3414U024BB	BFS3416U024BB	4.46	3.71	5.1
3	BFS3414U030BB	BFS3416U030BB	5.32	4.06	8.4
4	BFS3414U040BB	BFS3416U040BB	6.67	4.37	11.8

Fig. BFS3414HP & BFS3416HP - Hex Head Plugs



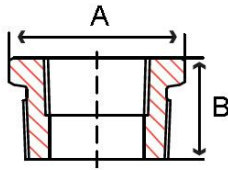
Size in	Part Number		A in	B in	Weight lb
	304	316			
1/8	BFS3414HP001BB	BFS3416HP001BB	0.50	0.62	0.02
1/4	BFS3414HP002BB	BFS3416HP002BB	0.56	0.74	0.07
3/8	BFS3414HP003BB	BFS3416HP003BB	0.66	0.87	0.1
1/2	BFS3414HP004BB	BFS3416HP004BB	0.75	0.92	0.1
3/4	BFS3414HP006BB	BFS3416HP006BB	0.84	1.05	0.2
1	BFS3414HP010BB	BFS3416HP010BB	1.00	1.13	0.4
1-1/4	BFS3414HP012BB	BFS3416HP012BB	1.09	1.37	0.9
1-1/2	BFS3414HP014BB	BFS3416HP014BB	1.13	1.44	1.2
2	BFS3414HP020BB	BFS3416HP020BB	1.22	1.70	2.2
2-1/2	BFS3414HP024BB	BFS3416HP024BB	1.49	1.79	2.7
3	BFS3414HP030BB	BFS3416HP030BB	1.53	1.93	5.6
4	BFS3414HP040BB	BFS3416HP040BB	1.75	2.22	10.1

Fig. BFS3414SP & BFS3416SP - Square Head Plugs



Size in	Part Number		A in	B in	Weight lb
	304	316			
1/8	BFS3414SP001BB	BFS3416SP001BB	0.62	0.27	0.02
1/4	BFS3414SP002BB	BFS3416SP002BB	0.70	0.39	0.04
3/8	BFS3414SP003BB	BFS3416SP003BB	0.84	0.47	0.07
1/2	BFS3414SP004BB	BFS3416SP004BB	0.98	0.55	0.1
3/4	BFS3414SP006BB	BFS3416SP006BB	1.05	0.66	0.2
1	BFS3414SP010BB	BFS3416SP010BB	1.25	0.82	0.3
1-1/4	BFS3414SP012BB	BFS3416SP012BB	1.37	0.94	0.5
1-1/2	BFS3414SP014BB	BFS3416SP014BB	1.44	1.12	0.7
2	BFS3414SP020BB	BFS3416SP020BB	1.56	1.30	1.1
2-1/2	BFS3414SP024BB	BFS3416SP024BB	1.79	1.48	2.5
3	BFS3414SP030BB	BFS3416SP030BB	1.91	1.68	3.9
4	BFS3414SP040BB	BFS3416SP040BB	2.22	2.48	7.2

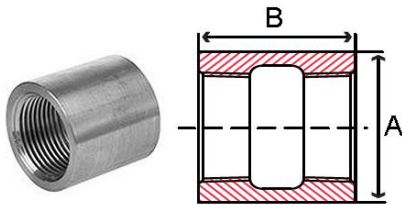
Fig. BFS3414HB & BFS3416HB - Hex Bushings



Size in	Part Number		A in	B in	Wt. lb
	304	316			
1/4 x 1/8	BFS3414HB002001BB	BFS3416HB002001BB	0.62	0.65	0.07
3/8 x 1/8	BFS3414HB003001BB	BFS3416HB003001BB	0.68	0.74	0.07
3/8 x 1/4	BFS3414HB003002BB	BFS3416HB003002BB	0.68	0.74	0.04
1/2 x 1/8	BFS3414HB004001BB	BFS3416HB004001BB	0.86	0.81	0.1
1/2 x 1/4	BFS3414HB004002BB	BFS3416HB004002BB	0.86	0.81	0.09
1/2 x 3/8	BFS3414HB004003BB	BFS3416HB004003BB	0.86	0.81	0.07
3/4 x 1/8	BFS3414HB006001BB	BFS3416HB006001BB	1.05	0.97	0.2
3/4 x 1/4	BFS3414HB006002BB	BFS3416HB006002BB	1.05	0.97	0.1
3/4 x 3/8	BFS3414HB006003BB	BFS3416HB006003BB	1.05	0.97	0.1
3/4 x 1/2	BFS3414HB006004BB	BFS3416HB006004BB	1.05	0.97	0.1
1 x 1/8	BFS3414HB010001BB	BFS3416HB010001BB	1.37	1.05	0.3
1 x 1/4	BFS3414HB010002BB	BFS3416HB010002BB	1.37	1.05	0.3
1 x 3/8	BFS3414HB010003BB	BFS3416HB010003BB	1.37	1.05	0.3
1 x 1/2	BFS3414HB010004BB	BFS3416HB010004BB	1.37	1.05	0.2
1 x 3/4	BFS3414HB010006BB	BFS3416HB010006BB	1.37	1.05	0.1
1-1/4 x 1/8	BFS3414HB012001BB	BFS3416HB012001BB	1.72	1.15	0.6
1-1/4 x 1/4	BFS3414HB012002BB	BFS3416HB012002BB	1.72	1.15	0.6
1-1/4 x 3/8	BFS3414HB012003BB	BFS3416HB012003BB	1.72	1.15	0.6
1-1/4 x 1/2	BFS3414HB012004BB	BFS3416HB012004BB	1.72	1.15	0.6
1-1/4 x 3/4	BFS3414HB012006BB	BFS3416HB012006BB	1.72	1.15	0.4
1-1/4 x 1	BFS3414HB012010BB	BFS3416HB012010BB	1.72	1.15	0.3
1-1/2x1/8	BFS3414HB014001BB	BFS3416HB014001BB	1.95	1.21	0.9
1-1/2x1/4	BFS3414HB014002BB	BFS3416HB014002BB	1.95	1.21	0.9
1-1/2x3/8	BFS3414HB014003BB	BFS3416HB014003BB	1.95	1.21	0.9
1-1/2x1/2	BFS3414HB014004BB	BFS3416HB014004BB	1.95	1.21	0.8
1-1/2x3/4	BFS3414HB014006BB	BFS3416HB014006BB	1.95	1.21	0.7
1-1/2x1	BFS3414HB014010BB	BFS3416HB014010BB	1.95	1.21	0.6
1-1/2x1-1/4	BFS3414HB014012BB	BFS3416HB014012BB	1.95	1.21	0.3
2x1/4	BFS3414HB020002BB	BFS3416HB020002BB	2.46	1.37	1.7
2x3/8	BFS3414HB020003BB	BFS3416HB020003BB	2.46	1.37	1.6
2x1/2	BFS3414HB020004BB	BFS3416HB020004BB	2.46	1.37	1.6
2x3/4	BFS3414HB020006BB	BFS3416HB020006BB	2.46	1.37	1.5
2x1	BFS3414HB020010BB	BFS3416HB020010BB	2.46	1.37	1.3
2x1-1/4	BFS3414HB020012BB	BFS3416HB020012BB	2.46	1.37	1.0
2x1-1/2	BFS3414HB020014BB	BFS3416HB020014BB	2.46	1.37	0.8
2-1/2x1/2	BFS3414HB024004BB	BFS3416HB024004BB	2.93	1.44	2.4
2-1/2x3/4	BFS3414HB024006BB	BFS3416HB024006BB	2.93	1.44	2.4
2-1/2x1	BFS3414HB024010BB	BFS3416HB024010BB	2.93	1.44	2.2
2-1/2x1-1/4	BFS3414HB024012BB	BFS3416HB024012BB	2.93	1.44	2.4
2-1/2x1-1/2	BFS3414HB024014BB	BFS3416HB024014BB	2.93	1.44	1.6

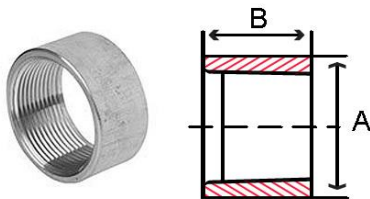
2-1/2x2	BFS3414HB024020BB	BFS3416HB024020BB	2.93	1.44	0.9
3x1	BFS3414HB030010BB	BFS3416HB030010BB	3.47	1.48	3.7
3x1-1/4	BFS3414HB030012BB	BFS3416HB030012BB	3.47	1.48	4.9
3x1-1/2	BFS3414HB030014BB	BFS3416HB030014BB	3.47	1.48	2.5
3x2	BFS3414HB030020BB	BFS3416HB030020BB	3.47	1.48	2.3
3x2-1/2	BFS3414HB030024BB	BFS3416HB030024BB	3.47	1.48	1.6
4x1	BFS3414HB040010BB	BFS3416HB040010BB	4.58	1.76	10.5
4x1-1/4	BFS3414HB040012BB	BFS3416HB040012BB	4.58	1.76	10.2
4x1-1/2	BFS3414HB040014BB	BFS3416HB040014BB	4.58	1.76	6.9
4x2	BFS3414HB040020BB	BFS3416HB040020BB	4.58	1.76	6.1
4x2-1/2	BFS3414HB040024BB	BFS3416HB040024BB	4.58	1.76	5.2
4x3	BFS3414HB040030BB	BFS3416HB040030BB	4.58	1.76	3.7

Fig. BFS3414CP & BFS3416CP - Full Couplings



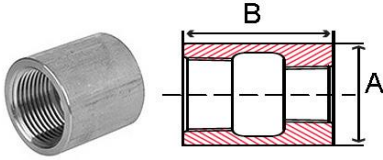
Size in	Part Number		A in	B in	Weight lb
	304	316			
1/8	BFS3414CP001BB	BFS3416CP001BB	0.62	1.00	0.07
1/4	BFS3414CP002BB	BFS3416CP002BB	0.74	1.00	0.09
3/8	BFS3414CP003BB	BFS3416CP003BB	0.86	1.12	0.1
1/2	BFS3414CP004BB	BFS3416CP004BB	1.05	1.38	0.2
3/4	BFS3414CP006BB	BFS3416CP006BB	1.29	1.50	0.2
1	BFS3414CP010BB	BFS3416CP010BB	1.62	1.62	0.4
1-1/4	BFS3414CP012BB	BFS3416CP012BB	1.87	2.00	0.5
1-1/2	BFS3414CP014BB	BFS3416CP014BB	2.16	2.12	0.7
2	BFS3414CP020BB	BFS3416CP020BB	2.71	2.50	1.4
2-1/2	BFS3414CP024BB	BFS3416CP024BB	3.38	2.86	2.6
3	BFS3414CP030BB	BFS3416CP030BB	3.96	3.17	3.8
4	BFS3414CP040BB	BFS3416CP040BB	5.05	3.68	6.8

Fig. BFS3414HC & BFS3416HC - Half Couplings



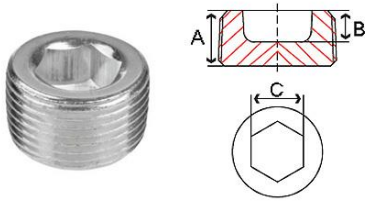
Size in	Part Number		A in	B in	Weight lb
	304	316			
1/8	BFS3414HC001BB	BFS3416HC001BB	0.74	0.50	0.03
1/4	BFS3414HC002BB	BFS3416HC002BB	0.74	0.56	0.04
3/8	BFS3414HC003BB	BFS3416HC003BB	0.86	0.56	0.07
1/2	BFS3414HC004BB	BFS3416HC004BB	1.05	0.70	0.1
3/4	BFS3414HC006BB	BFS3416HC006BB	1.29	0.74	0.1
1	BFS3414HC010BB	BFS3416HC010BB	1.62	0.80	0.2
1-1/4	BFS3414HC012BB	BFS3416HC012BB	1.87	1.00	0.2
1-1/2	BFS3414HC014BB	BFS3416HC014BB	2.26	1.05	0.3
2	BFS3414HC020BB	BFS3416HC020BB	2.74	1.25	0.7
2-1/2	BFS3414HC024BB	BFS3416HC024BB	3.32	1.42	1.3
3	BFS3414HC030BB	BFS3416HC030BB	4.00	1.58	1.8
4	BFS3414HC040BB	BFS3416HC040BB	5.05	1.83	3.1

Fig. BFS3414RC & BFS3416RC - Reducing Couplings



Size in	Part Number		A in	B in	Wt. lb
	304	316			
1/4 x 1/8	BFS3414RC002001BB	BFS3416RC002001BB	0.74	1.00	0.1
3/8 x 1/8	BFS3414RC003001BB	BFS3416RC003001BB	0.86	1.12	0.1
3/8 x 1/4	BFS3414RC003002BB	BFS3416RC003002BB	0.86	1.12	0.1
1/2 x 1/8	BFS3414RC004001BB	BFS3416RC004001BB	1.05	1.38	0.2
1/2 x 1/4	BFS3414RC004002BB	BFS3416RC004002BB	1.05	1.38	0.2
1/2 x 3/8	BFS3414RC004003BB	BFS3416RC004003BB	1.05	1.38	0.2
3/4 x 1/8	BFS3414RC006001BB	BFS3416RC006001BB	1.29	1.50	0.7
3/4 x 1/4	BFS3414RC006002BB	BFS3416RC006002BB	1.29	1.50	0.3
3/4 x 3/8	BFS3414RC006003BB	BFS3416RC006003BB	1.29	1.50	0.3
3/4 x 1/2	BFS3414RC006004BB	BFS3416RC006004BB	1.29	1.50	0.3
1 x 1/8	BFS3414RC010001BB	BFS3416RC010001BB	1.64	1.62	0.8
1 x 1/4	BFS3414RC010002BB	BFS3416RC010002BB	1.64	1.62	0.6
1 x 3/8	BFS3414RC010003BB	BFS3416RC010003BB	1.64	1.62	0.6
1 x 1/2	BFS3414RC010004BB	BFS3416RC010004BB	1.64	1.62	0.5
1 x 3/4	BFS3414RC010006BB	BFS3416RC010006BB	1.64	1.62	0.5
1-1/4 x 1/8	BFS3414RC012001BB	BFS3416RC012001BB	1.87	2.00	1.1
1-1/4 x 1/4	BFS3414RC012002BB	BFS3416RC012002BB	1.87	2.00	1.1
1-1/4 x 3/8	BFS3414RC012003BB	BFS3416RC012003BB	1.87	2.00	1.1
1-1/4 x 1/2	BFS3414RC012004BB	BFS3416RC012004BB	1.87	2.00	1.0
1-1/4 x 3/4	BFS3414RC012006BB	BFS3416RC012006BB	1.87	2.00	0.9
1-1/4 x 1	BFS3414RC012010BB	BFS3416RC012010BB	1.87	2.00	0.9
1-1/2 x 1/8	BFS3414RC014001BB	BFS3416RC014001BB	2.24	2.12	1.3
1-1/2 x 1/4	BFS3414RC014002BB	BFS3416RC014002BB	2.24	2.12	1.4
1-1/2 x 3/8	BFS3414RC014003BB	BFS3416RC014003BB	2.24	2.12	1.2
1-1/2 x 1/2	BFS3414RC014004BB	BFS3416RC014004BB	2.24	2.12	1.2
1-1/2 x 3/4	BFS3414RC014006BB	BFS3416RC014006BB	2.24	2.12	1.1
1-1/2 x 1	BFS3414RC014010BB	BFS3416RC014010BB	2.24	2.12	1.0
1-1/2 x 1-1/4	BFS3414RC014012BB	BFS3416RC014012BB	2.24	2.12	0.8
2 x 3/8	BFS3414RC020003BB	BFS3416RC020003BB	2.71	2.50	2.6
2 x 1/2	BFS3414RC020004BB	BFS3416RC020004BB	2.71	2.50	2.5
2 x 3/4	BFS3414RC020006BB	BFS3416RC020006BB	2.71	2.50	2.4
2 x 1	BFS3414RC020010BB	BFS3416RC020010BB	2.71	2.50	2.3
2 x 1-1/4	BFS3414RC020012BB	BFS3416RC020012BB	2.71	2.50	2.0
2 x 1-1/2	BFS3414RC020014BB	BFS3416RC020014BB	2.71	2.50	1.8
2-1/2 x 1-1/2	BFS3414RC024014BB	BFS3416RC024014BB	3.32	2.87	5.1
2-1/2 x 2	BFS3414RC024020BB	BFS3416RC024020BB	3.32	2.87	3.5
3 x 1	BFS3414RC030010BB	BFS3416RC030010BB	4.10	3.18	8.8
3 x 1-1/2	BFS3414RC030014BB	BFS3416RC030014BB	4.10	3.18	7.9
3 x 2	BFS3414RC030020BB	BFS3416RC030020BB	4.10	3.18	7.5
3 x 2-1/2	BFS3414RC030024BB	BFS3416RC030024BB	4.10	3.18	6.5
4 x 2	BFS3414RC040020BB	BFS3416RC040020BB	5.07	3.68	14.5
4 x 3	BFS3414RC040030BB	BFS3416RC040030BB	5.07	3.68	15.6

Fig. BFS3514CH & BFS3516CH - Short Counter Sunk Hex Plugs



Size in	Part Number		A in	B in	Weight lb
	304	316			
1/16	BFS3514CH000	BFS3516CH000	0.25	0.09	0.15
1/8	BFS3514CH001	BFS3516CH001	0.26	0.09	0.18
1/4	BFS3514CH002	BFS3516CH002	0.39	0.16	0.25
3/8	BFS3514CH003	BFS3516CH003	0.39	0.16	0.31
1/2	BFS3514CH004	BFS3516CH004	0.52	0.19	0.37
3/4	BFS3514CH006	BFS3516CH006	0.53	0.19	0.56
1	BFS3514CH010	BFS3516CH010	0.67	0.25	0.62
1-1/4	BFS3514CH012	BFS3516CH012	0.69	0.37	0.75
1-1/2	BFS3514CH014	BFS3516CH014	0.80	0.37	1.00
2	BFS3514CH020	BFS3516CH020	0.87	0.37	1.00
1/16	BFS3514CH000	BFS3516CH000	0.25	0.09	0.15
1/8	BFS3514CH001	BFS3516CH001	0.26	0.09	0.18