



Nipples

Specifications

- Stainless steel nipple material conforms to ASTM A312
- Stainless steel nipple dimensions conform to ASTM A733 and ASME B36.19
- NPT threads on stainless nipples conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008

S834 4 NI 010 060

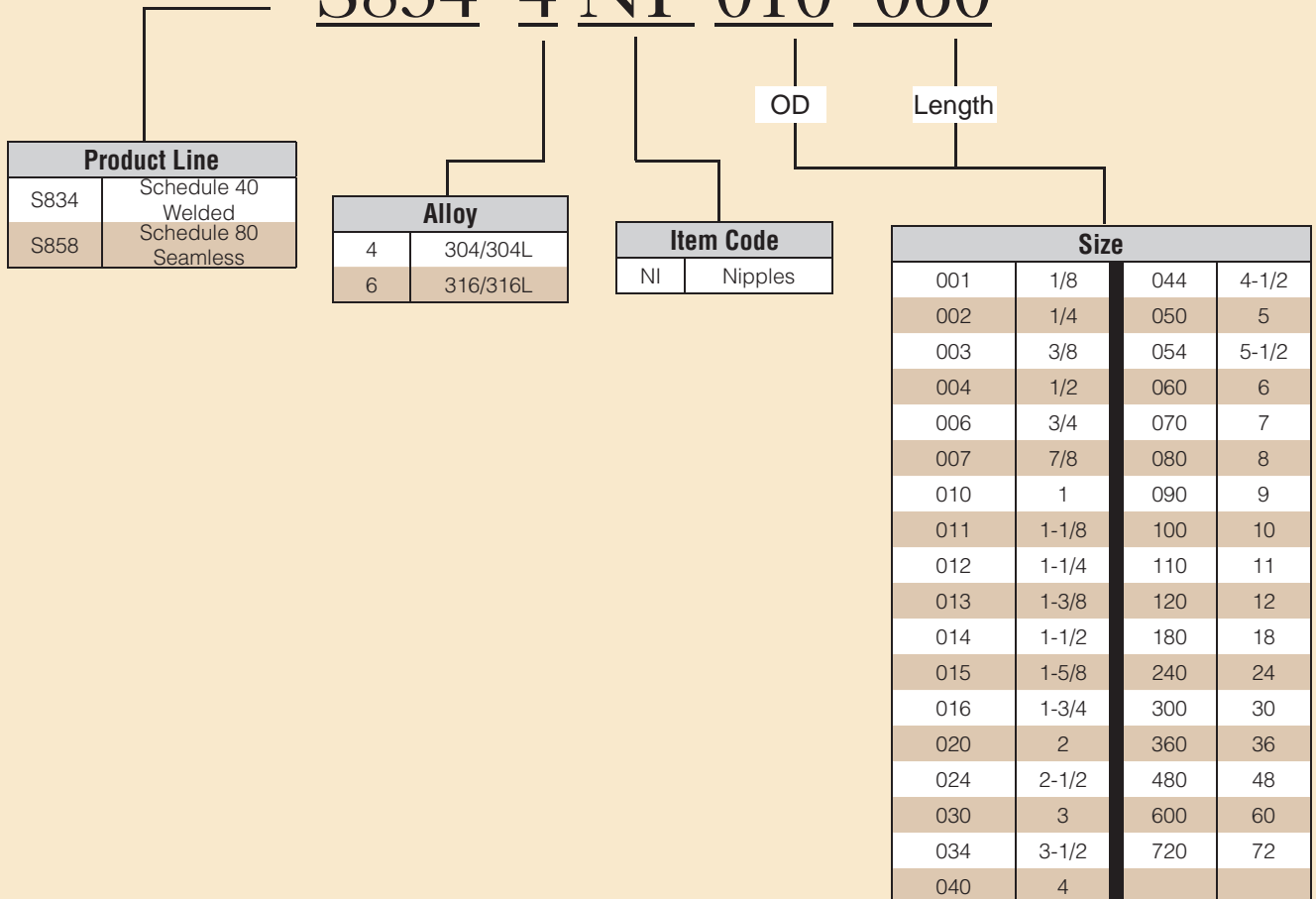


Fig. S834 - Sch 40 Welded 304/304L & 316/316L Nipple Weights

Size IN	Close Length	Weight per Each (LB)																
		Packing (Inner/Master)																
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12
1/8	3/4	0.01 25/200	0.03 25/200	0.04 25/200	0.05 25/200	0.06 25/200	0.07 25/200	0.08 25/200	0.09 25/200	0.11 25/200	0.11 25/200	0.12 25/100	0.15 25/100	0.16 25/100	0.18 25/100	0.21 25/100	0.22 25/100	0.25 25/100
1/4	7/8	0.03 25/200	0.04 25/200	0.06 25/200	0.08 25/200	0.09 25/200	0.10 25/200	0.13 25/200	0.14 25/200	0.15 25/200	0.18 25/200	0.20 25/200	0.22 25/100	0.27 25/100	0.31 25/100	0.35 25/100	0.39 25/100	0.42 25/100
3/8	1	0.03 25/200	0.06 25/200	0.08 25/200	0.10 25/200	0.12 25/200	0.15 25/200	0.18 25/200	0.20 25/200	0.22 25/100	0.23 25/100	0.26 25/100	0.31 25/50	0.35 25/50	0.46 25/50	0.48 25/50	0.51 25/50	0.52 25/50
1/2	1-1/8	0.06 25/200	0.08 25/200	0.12 25/200	0.15 25/100	0.18 25/100	0.22 25/100	0.25 25/100	0.29 25/100	0.32 25/100	0.36 25/100	0.39 25/100	0.47 25/50	0.52 25/50	0.59 25/50	0.66 25/50	0.73 25/50	0.80 25/50
3/4	1-3/8	0.10 25/200	0.11 25/200	0.16 25/100	0.20 25/100	0.24 25/100	0.29 25/100	0.34 25/50	0.38 25/50	0.43 25/50	0.47 25/50	0.52 25/50	0.65 -/25	0.73 -/25	0.82 -/25	0.91 -/25	1.00 -/25	1.09 -/25
1	1-1/2	0.15 25/100		0.22 25/100	0.25 25/50	0.36 25/50	0.40 25/50	0.47 25/50	0.53 25/50	0.62 -/25	0.66 -/25	0.77 -/25	0.89 -/25	1.01 -/25	1.14 -/25	1.28 -/25	1.41 -/25	1.55 -/25
1-1/4	1-5/8	0.23 25/50		0.32 25/50	0.40 25/50	0.49 25/50	0.60 -/25	0.62 -/25	0.72 -/25	0.81 -/25	0.94 -/25	0.97 -/25	1.18 -/15	1.39 -/15	1.70 -/15	2.01 -/15	2.16 -/15	2.30 -/15
1-1/2	1-3/4	0.30 25/100		0.32 25/100	0.47 -/25	0.56 -/25	0.68 -/25	0.80 -/25	0.91 -/25	1.00 -/20	1.10 -/20	1.27 -/20	1.37 -/15	1.65 -/12	1.97 -/12	2.07 -/7	2.25 -/7	2.43 -/7
2	2	0.40 -/25			0.62 -/25	0.71 -/25	0.93 -/12	1.07 -/12	1.23 -/12	1.37 -/12	1.55 -/12	1.67 -/12	1.93 -/9	2.20 -/9	2.55 -/7	2.90 -/7	3.18 -/7	3.46 -/7
2-1/2	2-1/2	0.73 -/18				0.95 -/18	1.35 -/13	1.45 -/13	1.80 -/12	2.04 -/9	2.16 -/9	2.38 -/9	2.14 -/7	3.15 -/6	3.55 -/4	4.05 -/4	4.58 -/4	5.10 -/4
3	2-5/8	1.19 -/12				1.49 -/12	1.68 -/9	2.06 -/9	2.38 -/8	2.67 -/6	2.95 -/6	3.17 -/6	2.66 -/4	4.50 -/4	5.23 -/4	5.95 -/3	7.06 -/3	8.16 -/3
4	2-7/8	1.94 -/7						2.99 -/6	3.63 -/5	3.68 -/4	4.53 -/4	4.44 -/4	5.95 -/2	6.70 -/2	7.13 -/2	7.55 -/2	8.40 -/2	9.25 -/2
6	3-1/8	4.69 -/1											9.01 -/1	10.51 -/1	12.01 -/1			18.02 -/1

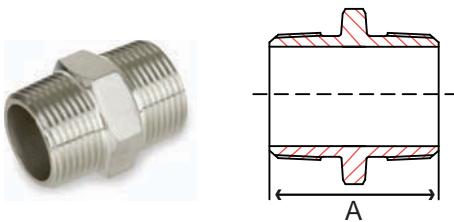


Fig. S8346HN - 316/316L Hex Nipple

Diameter IN	Part Number	A IN	Weight LB
1/8	S8346HN001	1.30	0.02
1/4	S8346HN002	1.30	0.04
3/8	S8346HN003	1.38	0.08
1/2	S8346HN004	1.67	0.1
3/4	S8346HN006	1.81	0.1
1	S8346HN010	1.97	0.3
1 1/4	S8346HN012	2.28	0.4
1 1/2	S8346HN014	2.36	0.6
2	S8346HN020	2.70	0.9

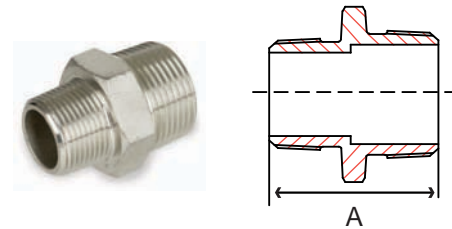


Fig. S8346RH - 316/316L Reducing Hex Nipple

Diameter IN	Part Number	A IN	Weight LB
1/4 x 1/8	S8346RH002001	1.30	0.04
3/8 x 1/4	S8346RH003002	1.38	0.08
1/2 x 3/8	S8346RH004003	1.67	0.1
3/4 x 1/2	S8346RH006004	1.81	0.1
1 x 3/4	S8346RH010006	1.97	0.3
1-1/4 x 1	S8346RH012010	2.28	0.4
1-1/2 x 1-1/4	S8346RH014012	2.36	0.6
2 x 1-1/2	S8346RH020014	2.70	0.9

Fig. S858 - Sch 80 Seamless 304/304L & 316/316L Weights

Size IN	Close Length	Weight per Each (LB)																	
		Packing (Inner/Master)																	
		Close	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	7	8	9	10	11	12	
1/8	3/4	0.02	0.04	0.05	0.06	0.07	0.08	0.09	0.11	0.12	0.13	0.15	0.17	0.20	0.22	0.25	0.27	0.30	
		25/200	25/200	25/200	25/200	25/200	25/200	25/200	25/200	25/200	25/200	25/100	25/100	25/100	25/100	25/100	25/100	25/100	
1/4	7/8	0.03	0.06	0.08	0.10	0.13	0.15	0.17	0.27	0.21	0.23	0.26	0.30	0.35	0.40	0.45	0.50	0.55	
		25/200	25/200	25/200	25/200	25/200	25/200	25/200	25/200	25/200	25/200	25/200	25/100	25/100	25/100	25/100	25/100	25/100	
3/8	1	0.05	0.08	0.11	0.15	0.17	0.20	0.24	0.27	0.30	0.34	0.37	0.45	0.53	0.60	0.67	0.74	0.82	
		25/200	25/200	25/200	25/200	25/200	25/200	25/200	25/200	25/100	25/100	25/100	25/50	25/50	25/50	25/50	25/50	25/50	
1/2	1-1/8	0.08	0.11	0.16	0.20	0.24	0.29	0.34	0.54	0.42	0.47	0.52	0.44	0.35	0.61	0.87	0.97	1.06	
		25/200	25/200	25/200	25/100	25/100	25/100	25/100	25/100	25/100	25/100	25/100	25/50	25/50	25/50	25/50	25/50	25/50	
3/4	1-3/8	0.14	0.15	0.22	0.27	0.33	0.40	0.46	0.73	0.55	0.62	0.69	0.82	0.94	1.07	1.20	1.29	1.38	
		25/200	25/200	25/100	25/100	25/100	25/100	25/50	25/50	25/50	25/50	25/50	-/25	-/25	-/25	-/25	-/25	-/25	
1	1-1/2	0.22		0.31	0.39	0.46	0.56	0.65	1.04	0.83	0.91	1.00	1.17	1.33	1.50	1.67	1.83	2.00	
		25/100		25/100	25/50	25/50	25/50	25/50	25/50	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25	-/25
1-1/4	1-5/8	0.34		0.40	0.55	0.67	0.79	0.90	1.03	1.15	1.28	1.40	1.64	1.88	2.13	2.37	2.61	2.85	
		25/50		25/50	25/50	25/50	-/25	-/25	-/25	-/25	-/25	-/25	-/15	-/15	-/15	-/15	-/15	-/15	-/15
1-1/2	1-3/4	0.47		0.54	0.71	0.87	1.04	1.21	1.37	1.53	1.69	1.85	1.74	1.62	2.39	3.17	3.48	3.80	
		25/100		25/100	-/25	-/25	-/25	-/25	-/25	-/20	-/20	-/20	-/15	-/12	-/12	-/7	-/7	-/7	-/7
2	2	0.70			0.92	1.13	1.35	1.50	2.42	1.95	2.10	2.25	2.66	3.06	3.52	3.98	4.38	4.77	
		-/25			-/25	-/25	-/12	-/12	-/12	-/12	-/12	-/12	-/9	-/9	-/7	-/7	-/7	-/7	-/7
2-1/2	2-1/2	0.94											3.20	3.55	3.73	4.80	5.33	5.60	5.86
		-/18											-/9	-/7	-/6	-/4	-/4	-/4	-/4
3	2-5/8	1.75						2.67	3.00	3.34	3.67	4.00	5.25	6.49	7.30	8.11	8.92	9.74	
		-/12						-/9	-/8	-/6	-/6	-/6	-/4	-/4	-/4	-/3	-/3	-/3	-/3
4	2-7/8	3.26						4.74	5.34	5.93	6.52	7.12	8.30	9.49	10.67	11.86	13.05	14.23	
		-/7						-/6	-/5	-/4	-/4	-/4	-/2	-/2	-/2	-/2	-/2	-/2	-/2

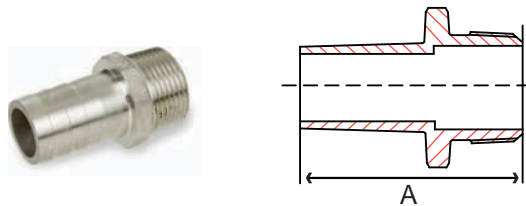


Fig. S8346KN - 316/316L King Nipple Hose x Threaded

Diameter IN	Part Number	A IN	Weight LB
1/8	S8346KN001	1.57	0.02
1/4	S8346KN002	1.77	0.05
3/8	S8346KN003	1.97	0.07
1/2	S8346KN004	2.36	0.1
3/4	S8346KN006	2.56	0.2
1	S8346KN010	2.95	0.3
1 1/4	S8346KN012	3.35	0.5
1 1/2	S8346KN014	3.54	0.9
2	S8346KN020	3.94	1.3
2-1/2	S8346KN024	4.72	1.7
3	S8346KN030	5.12	2.0
4	S8346KN040	5.51	4.6