Building connections that last™

ASC Engineered Solutions

SCI®
Pipe Nipples

SCI An ASC Engineered Solution

Branded Pipe Nipples

Welded Carbon Steel Sch 40 & Sch 80 Specifications

- Black and hot-dipped galvanized steel pipe conforms to ASTM A53
- Welded steel nipples conform to ASTM A733
- NPT threads on nipples conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008 and ISO 14001
- Import nipples have SCI Trademark and tracking number
- Domestic nipples available upon request
- Galvanized nipples are certified to; NSF/ANSI 372 and California AB1953 Lead Free

Seamless Carbon Steel Sch 80 & XXH Specifications

- Seamless steel pipe used conforms to ASTM A106 Grade B
- Seamless steel nipples conform to ASTM A733
- NPT threads on nipples conform to ASME B1.20.1
- Manufacturing facility is ISO 9001:2008 and ISO 14001
- Import nipples have SCI Trademark and heat number
- Domestic nipples available upon request

Seamless Red Brass Sch 40 Specifications

- Seamless brass pipe conforms to ASTM B43
- Seamless brass nipples conform to ASTM B687
- NPT threads on nipples conform to ASME B1.20.1
- Certified to California AB1953 Lead Free, Section 1417(d) of SDWA

Stainless Steel Sch 40 & Sch 80 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
- Hex and king combo nipples cast in conformance to ASTM A351

Note: Special end finishes and lengths available upon request

Fig. 83NI4 & 84NI4 Black and Galvanized Schedule 40 Welded Carbon Steel Pipe Nipples

Size in	Close Length in	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	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.12	0.15	0.16	0.18	0.21	0.23	0.25
		25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/200	25/200	25/200	25/200
1/4	7/8	0.02	0.04	0.06	0.07	0.09	0.11	0.13	0.14	0.16	0.18	0.20	0.23	0.27	0.30	0.34	0.38	0.41
		25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/400	25/300	25/300	25/300	25/200	25/200	25/200	20/160	20/160	20/160
3/8	1	0.03	0.06	0.09	0.11	0.14	0.16	0.19	0.22	0.24	0.27	0.30	0.35	0.40	0.46	0.51	0.56	0.62
		25/400	25/400	25/400	25/400	25/400	25/300	25/300	25/200	25/200	25/200	25/200	25/150	25/150	25/100	25/100	25/100	25/100
1/2	1-1/8	0.05	0.08	0.12	0.15	0.19	0.22	0.26	0.29	0.33	0.36	0.40	0.47	0.54	0.61	0.68	0.75	0.83
		25/400	25/400	25/400	25/300	25/300	25/200	25/200	25/200	25/150	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/75
3/4	1-3/8	0.08	0.10	0.15	0.20	0.24	0.29	0.34	0.39	0.43	0.48	0.53	0.62	0.72	0.81	0.91	1.00	1.09
		25/400	25/400	25/300	25/300	25/200	25/200	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/50	25/50	25/50	25/50
1	1-1/2	0.14		0.16	0.23	0.30	0.37	0.44	0.51	0.58	0.65	0.72	0.86	1.00	1.14	1.28	1.42	1.56
		25/200		25/200	25/150	25/150	25/100	25/100	25/100	25/75	25/75	25/50	25/50	25/50	25/50	20/40	20/40	20/40
1-1/4	1-5/8	0.21		0.27	0.36	0.45	0.55	0.64	0.74	0.83	0.93	1.02	1.21	1.40	1.59	1.78	1.97	2.16
		25/150		25/100	25/100	25/100	25/50	25/50	25/50	25/50	25/50	25/50	15/30	15/30	15/30	-/30	-/30	-/30
1-1/2	1-3/4	0.26		0.32	0.43	0.55	0.66	0.77	0.89	1.00	1.11	1.23	1.45	1.68	1.91	2.13	2.36	2.59
		25/100		25/100	25/50	25/50	25/50	25/50	25/50	20/40	20/40	20/40	-/35	-/35	-/35	-/15	-/15	-/15
2	2	0.46			0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.98	2.28	2.59	2.89	3.20	3.50
		25/50			25/50	-/50	-/25	-/25	-/25	-/25	-/25	-/25	-/18	-/18	-/18	-/14	-/14	-/14
2-1/2	2-1/2	0.75				0.95	1.19	1.43	1.67	1.91	2.16	2.40	2.88	3.36	3.85	4.33	4.81	5.30
		-/36				-/36	-/27	-/27	-/24	-/18	-/18	-/18	-/14	-/12	-/12	-/9	-/9	-/9
3	2-5/8	0.99				1.19	1.50	1.82	2.14	2.45	2.77	3.08	3.72	4.35	4.98	5.61	6.24	6.88
		-/24				-/24	-/18	-/18	-/16	-/12	-/12	-/12	-/9	-/8	-/8	-/6	-/6	-/6
3-1/2	2-3/4	2.08						3.03	3.41	3.79	4.17	4.55	5.31	6.10	6.83	7.59	8.34	9.11
		-/15						-/12	-/10	-/8	-/8	-/8	-/5	-/5	-/5	-/4	-/4	-/4
4	2-7/8	1.74						3.59	4.04	4.49	4.94	5.39	6.29	7.19	8.09	8.99	9.89	10.79
		-/15						-/12	-/10	-/8	-/8	-/8	-/5	-/5	-/5	-/4	-/4	-/4
5	3	4.26						3.83	4.31	5.05	5.72	6.27	6.27	8.70	10.96	11.14	12.25	13.58
		-/4						-/4	-4	-/2	-/2	-/2	-/2	-/2	-/2	-/2	-/2	-/2
6	3-1/8	3.19						4.17	5.06	5.94	6.83	7.72	11.06	11.27	13.04	14.82	16.59	18.37
		-/4						-/4	-/4	-/2	-/2	-/2	-/2	-/2	-/2	-/2	-/1	-/1
8	3-1/2	6.87										12.83	14.97	17.59	19.24	21.38	23.52	27.12
		-/1										-/1	-/1	-/1	-/1	-/1	-/1	-/1

Size in	Weight per Each (lb) / Packing (Pieces / Bundle)						
	18	24	30	36	48	60	72
1/2	1.26	1.68	2.11	2.54	3.39	4.25	5.10
	5	5	5	5	5	5	5
3/4	1.67	2.23	2.80	3.37	3.94	5.64	6.78
	5	5	5	5	5	5	5
1	18.03	13.25	4.09	4.93	6.60	8.28	9.96
	5	5	5	5	5	5	5
1-1/4	3.30	4.44	5.58	6.72	9.00	11.28	13.55
	2	2	2	2	2	2	2
1-1/2	3.95	5.31	6.67	8.03	10.75	13.48	16.20
	2	2	2	2	2	2	2
2	5.33	7.16	8.99	10.82	14.47	18.13	21.78
	2	2	2	2	2	2	2
2-1/2	7.73	11.10	14.49	16.90	22.70	30.00	34.00
	1	1	1	1	1	1	1
3	10.68	14.47	18.26	22.06	29.64	37.23	44.00
	1	1	1	1	1	1	1
4	15.18	20.58	25.98	31.38	42.18	52.98	63.78
	1	1	1	1	1	1	1
6	28.46	34.78	39.68	45.94	56.91	66.40	79.35
	1	1	1	1	1	1	1

Fig. 75NIX Black XXH Carbon Steel Pipe Nipples

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	1-1/2	0.47		0.62	0.76	0.93	1.08	1.22	1.37	1.54	1.69	1.84	2.13	2.44	2.75	3.05	3.36	3.66
		-/100		-/100	-/75	-/50	-/50	-/40	-/40	-/25	-/25	-/25	-/25	-/20	-/20	-/15	-/15	-/15
2	2	1.52			1.89	2.27	2.64	3.01	3.39	3.77	4.15	4.53	5.28	6.02	6.78	7.54	8.29	9.04
		-/25			-/20	-/10	-/15	-/10	-/10	-/10	-/5	-/10	-/5	-/5	-/5	-/5	-/5	-/5
3	2-5/8	4.16				4.17	5.55	6.33	7.13	7.93	8.72	9.56	12.39	14.16	15.49	17.70	18.58	21.24
		-/12				-/12	-/9	-/9	-/8	-/6	-/6	-/6	-/4	-/4	-/4	-/4	-/3	-/3
4	2-7/8	2.84						9.00	10.13	11.25	12.38	13.55	16.13	18.43	20.71	23.00	25.30	27.60
		- /15						- /12	- /10	- /8	- /8	- /8	- /5	- /5	- /4	- /4	- /4	- /4

Steel Nipple Part Numbers

83NI 4 020 120 C

Diameter | Length

Product Group	
83NI	Black
84NI	Galvanized
73NI	Seamless
75NI	XXH

Pressure Rating	
4	Schedule 40
8	Schedule 80
X	XXH

Country of Origin	
	USA
C	China
U	China w/ Bar Code Label

Size					
001	1/8	016	1-3/4	090	9
002	1/4	020	2	100	10
003	3/8	024	2-1/2	110	11
004	1/2	030	3	120	12
006	3/4	034	3-1/2	180	18
007	7/8	040	4	240	24
010	1	044	4-1/2	300	30
011	1-1/8	050	5	360	36
012	1-1/4	054	5-1/2	480	48
013	1-3/8	060	6	600	60
014	1-1/2	070	7	720	72
015	1-5/8	080	8		

Wall Thickness Chart

Nominal Pipe Size	Outside Diameter	Sch 40 Wall Thickness	Sch 80 Wall Thickness	XXH Wall Thickness
1/8	0.405	0.068	0.095	N/A
1/4	0.540	0.088	0.119	N/A
3/8	0.675	0.091	0.126	N/A
1/2	0.840	0.109	0.147	N/A
3/4	1.050	0.113	0.154	N/A
1	1.315	0.133	0.179	0.358
1-1/4	1.660	0.140	0.191	0.382
1-1/2	1.900	0.145	0.200	0.400
2	2.375	0.154	0.218	0.436
2-1/2	2.875	0.203	0.276	0.552
3	3.500	0.216	0.300	0.600
3-1/2	4.000	0.226	0.318	N/A
4	4.500	0.237	0.337	0.674
5	5.563	0.258	0.375	N/A
6	6.625	0.280	0.432	N/A
8	8.625	0.322	0.500	N/A