




SMITH-COOPER INTERNATIONAL
SCH. 40 STEEL NIPPLES
ASTM A733 ASTM A53
ANS/ASME B1.20.1
ISO-9001
Copyright © 2011 Smith-Cooper International


SMITH-COOPER INTERNATIONAL
SCH. 40 STEEL NIPPLES
ASTM A733 ASTM A53
ANS/ASME B1.20.1 ISO-9001

Steel Nipples and Brass Nipples


Welded Sch 40 & Sch 80 Specifications

-  branded
- Black and hot-dipped galvanized steel pipe used conforms to ASTM A53
- Canadian Registration Numbers available at www.smithcooper.com
- 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 61-4 and California AB1953 Lead Free

Seamless Sch 40, Sch 80, and XXH Specifications

-  branded
- Seamless steel pipe used conforms to ASTM A106 Grade B
- Canadian Registration Numbers available at www.smithcooper.com
- 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 Sch 40 Red Brass Specifications

-  Branded
- Canadian Registration Numbers available at www.smithcooper.com
- 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 CA AB1953 Lead Free

* Special ends finishes and lengths available upon request



Steel Nipples - Schedule 40 Welded

Fig. 83NI4 & 84NI4 Black and Galvanized Schedule 40 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	25/400	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	25/400	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	25/400	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	25/200	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	25/100	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	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	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	-/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	-/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	-/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	-/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
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	-/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	-/1	-/1	-/1
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	-/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

NIPPLES

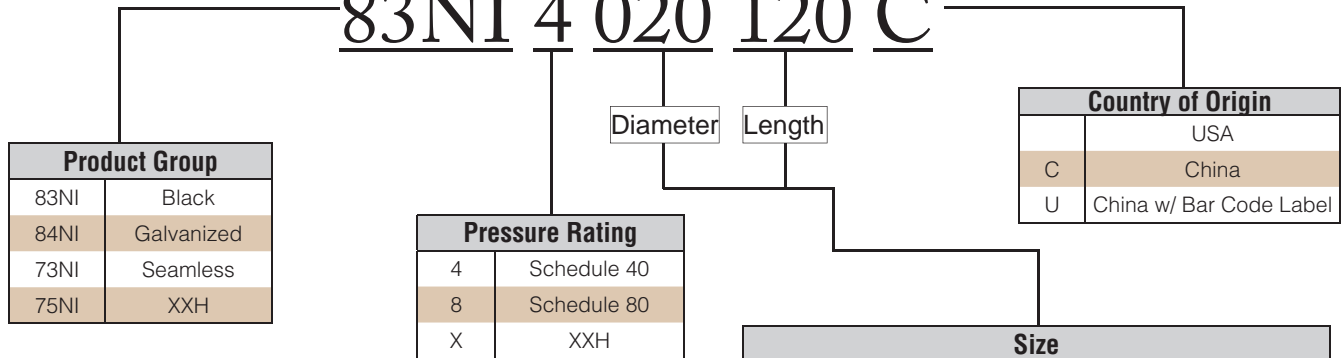
Fig. 75NIX Black XXH Carbon Steel Pipe Nipples

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 -/100		0.62 -/100	0.76 -/75	0.93 -/50	1.08 -/50	1.22 -/40	1.37 -/40	1.54 -/25	1.69 -/25	1.84 -/25	2.13 -/25	2.44 -/20	2.75 -/20	3.05 -/15	3.36 -/15	3.66 -/15
2	2	1.52 -/25			1.89 -/20	2.27 -/10	2.64 -/15	3.01 -/10	3.39 -/10	3.77 -/10	4.15 -/5	4.53 -/10	5.28 -/5	6.02 -/5	6.78 -/5	7.54 -/5	8.29 -/5	9.04 -/5
2-1/2	2-1/2	2.93 -/18				3.55 -/18	4.09 -/13	4.67 -/13	5.25 -/13	5.84 -/9	6.43 -/9	6.96 -/9	8.12 -/7	9.28 -/6	10.45 -/4	11.61 -/4	12.76 -/4	13.93 -/4
3	2-5/8	4.16 -/12				4.17 -/12	5.55 -/9	6.33 -/9	7.13 -/8	7.93 -/6	8.72 -/6	9.56 -/6	12.39 -/4	14.16 -/4	15.49 -/4	17.70 -/4	18.58 -/3	21.24 -/3
4	2-7/8	2.84 -/15						9.00 -/12	10.13 -/10	11.25 -/8	12.38 -/8	13.55 -/8	16.13 -/5	18.43 -/5	20.71 -/4	23.00 -/4	25.30 -/4	27.60 -/4



Steel Nipple Part Numbers

83NI 4 020 120 C



Wall Thickness Chart

Nom/Inal 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

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		

NIPPLES