

# SMITH-COOPER®

I N T E R N A T I O N A L

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## **Stainless Steel Nipples**

Schedule 40 Welded & Schedule 80 Seamless

# SMITH-COOPER®

## INTERNATIONAL



## Stainless Steel 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 9001:2000

Stainless Steel Nipples conform to ASTM A312, ASME B36.19, ASTM A733, ASME B1.20.1 where applicable

### SCI Quality Plus

- Quality control inspections both at the overseas factory and our US warehouses
- Company engineer available at your request
- \$10,000,000 product liability insurance
- SCI 5/50 guarantee
- Pro Pak System makes products easier to handle and warehouse
- Orders shipped within 24 hours
- Fax confirmation of every order
- Knowledgeable customer service personnel

### Warranty and Limitations of Liability

SMITH-COOPER INTERNATIONAL (SCI) warrants to its initial purchaser only, that its products which are delivered to this initial purchaser will be of the kind described in the order or price list and will be free of defects in workmanship or material for a period of five years from the date of delivery to our initial purchaser.

Should any failure to conform to this warranty appear within five years after the date of the initial delivery to our initial purchaser, SCI will, upon written notification thereof and substantiation that the goods have been stored, installed, maintained and operated in accordance with recognized engineering and piping practices and industry standards, correct such defects by suitable repair or replacement (which alternative shall be at the discretion of SCI) of product at SCI's own expense upon return of the defective part to SCI.

In the event that SCI elects to replace the defective product, SCI shall pay up to \$50 per defective product for total cost of replacement. In the event of multiple claims, such payment shall be no greater than \$1,000 for each installation project.

This warranty applies only during normal use that meets the above referenced conditions of installation and operation and is absolutely void if the product has been damaged after purchase or if it has been misused, repaired, altered or modified in any manner whatsoever. SCI shall not warrant any of its products if any portion of the product including without limitation, any component, gasket, housing or bolt has been modified, altered, remanufactured or replaced in any manner by any customer, user of the product or third party.

Correction of non-conformities, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of SCI to our initial purchaser, with respect to the goods, whether based on contract, negligence, strict tort, or otherwise. It is the intention of SCI that no warranty of any kind, whether expressed or implied shall pass through our initial purchaser to any other person or corporation.

No returns will be allowed unless prior written permission of SCI is first obtained. Buyers shall be responsible for all costs of transportation as well as a restocking charge.

This warranty is exclusively for the benefit of the initial purchaser of this product from SCI and, except to the extent prohibited by applicable law, the foregoing warranty is in lieu of all other warranties, express or implied, including but not limited to warranties of fitness or merchantability.

**LIMITATIONS OF LIABILITY:** SCI shall not under any circumstances be liable for special or consequential damages such as, but not limited to damage to loss of other property or equipment, loss of profits or revenue, cost of capital, cost of purchased or replacement goods, claims of customers of our initial purchaser, any labor cost for repair or replacement of the product or damage caused by the product.

The remedies of our initial purchaser, and all others, set forth herein are exclusive, and the liability of SCI with respect to same shall not, except as expressly provided herein, exceed the price of the SCI products on which such liability is based.



# Stainless Schedule 40 Welded Nipple Weights

## 304/304L Weights

Diameter	Wall Thickness	Length of Close	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"	0.068	3/4"	0.012	0.026	0.036	0.048	0.058	0.068	0.078	0.086	0.106	0.112	0.120	0.146	0.164	0.180	0.206	0.224	0.2460
1/4"	0.088	7/8"	0.025	0.044	0.06	0.076	0.092	0.102	0.130	0.140	0.154	0.180	0.202	0.224	0.268	0.312	0.352	0.386	0.4200
3/8"	0.091	1"	0.034	0.06	0.078	0.1	0.122	0.150	0.176	0.196	0.222	0.230	0.264	0.307	0.350	0.456	0.476	0.506	0.5180
1/2"	0.109	1 1/8"	0.056	0.08	0.116	0.148	0.182	0.216	0.252	0.286	0.316	0.358	0.386	0.474	0.520	0.590	0.662	0.734	0.7980
3/4"	0.113	1 3/8"	0.096	0.112	0.158	0.198	0.242	0.288	0.340	0.380	0.426	0.466	0.524	0.645	0.725	0.818	0.910	1.000	1.0900
1	0.113	1 1/2"	0.148	-	0.22	0.252	0.356	0.396	0.470	0.526	0.624	0.660	0.774	0.885	1.005	1.142	1.280	1.413	1.5450
1 1/4"	0.140	1 5/8"	0.225	-	0.32	0.4	0.485	0.600	0.615	0.715	0.805	0.940	0.970	1.180	1.390	1.700	2.010	2.155	2.3000
1 1/2"	0.145	1 3/4"	0.295	-	0.32	0.465	0.560	0.680	0.795	0.910	0.995	1.095	1.270	1.370	1.650	1.970	2.070	2.250	2.4300
2"	0.154	2"	0.4	-	-	0.615	0.710	0.930	1.070	1.225	1.370	1.550	1.665	1.933	2.200	2.550	2.900	3.180	3.4600
2 1/2"	0.203	2 1/2"	0.73	-	-	-	0.950	1.350	1.450	1.795	2.040	2.160	2.375	2.135	3.150	3.546	4.050	4.575	5.1000
3"	0.216	2 5/8"	1.19	-	-	-	1.485	1.675	2.060	2.375	2.670	2.950	3.170	2.659	4.500	5.225	5.950	7.055	8.16
4"	0.237	2 7/8"	1.944	-	-	-	-	-	2.988	3.625	3.675	4.525	4.438	5.950	6.700	7.125	7.550	8.400	9.2500
6"	0.280	3 1/8"	4.69	-	-	-	-	-	-	-	-	-	9.010	10.512	12.014	-	-	-	18.0215

## 316/316L Weights

Diameter	Wall Thickness	Length of Close	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"	0.068	3/4"	0.012	0.026	0.036	0.048	0.058	0.068	0.078	0.086	0.106	0.112	0.120	0.142	0.164	1.860	0.206	0.226	0.246
1/4"	0.088	7/8"	0.025	0.044	0.060	0.076	0.092	0.102	0.130	0.140	0.154	0.180	0.202	0.235	0.268	0.310	0.352	0.386	0.420
3/8"	0.091	1"	0.034	0.060	0.078	0.100	0.122	0.150	0.176	0.196	0.222	0.230	0.264	0.307	0.350	0.413	0.476	0.497	0.518
1/2"	0.109	1 1/8"	0.056	0.080	0.116	0.148	0.182	0.216	0.252	0.286	0.316	0.358	0.386	0.453	0.520	0.591	0.662	0.730	0.798
3/4"	0.113	1 3/8"	0.096	0.112	0.158	0.198	0.242	0.288	0.340	0.380	0.426	0.466	0.524	0.645	0.725	0.815	0.910	1.000	1.090
1	0.113	1 1/2"	0.148	-	0.220	0.252	0.356	0.396	0.470	0.526	0.624	0.660	0.774	0.885	1.005	1.143	1.280	1.413	1.545
1 1/4"	0.140	1 5/8"	0.225	-	0.320	0.400	0.485	0.600	0.615	0.715	0.805	0.940	0.970	1.180	1.390	1.700	2.010	2.211	2.300
1 1/2"	0.145	1 3/4"	0.295	-	0.320	0.465	0.560	0.680	0.795	0.910	0.995	1.095	1.270	1.460	1.650	1.970	2.070	2.250	2.430
2"	0.154	2"	0.400	-	-	0.615	0.710	0.930	1.070	1.225	1.370	1.550	1.665	1.933	2.200	2.550	2.900	3.180	3.460
2 1/2"	0.203	2 1/2"	0.730	-	-	-	0.950	1.350	1.450	1.795	2.040	2.160	2.375	2.763	3.150	3.546	4.050	4.575	5.100
3"	0.216	2 5/8"	1.190	-	-	-	1.485	1.675	2.060	2.375	2.670	2.950	3.170	3.835	4.500	5.225	5.950	6.375	6.800
4"	0.237	2 7/8"	1.944	-	-	-	-	-	2.988	3.625	3.675	4.057	4.438	5.950	6.325	6.700	7.550	8.400	9.250
6"	0.280	3 1/8"	4.69	-	-	-	-	-	-	-	-	-	9.010	10.512	12.014	-	-	-	18.0215



# Stainless Schedule 80 Seamless Nipple Weights

## 304/304L Weights

Diameter	Wall Thickness	Length of Close	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"	0.095	3/4"	0.019	0.038	0.050	0.061	0.072	0.083	0.094	0.105	0.116	0.127	0.150	0.174	0.198	0.223	0.247	0.272	0.296
1/4"	0.119	7/8"	0.030	0.060	0.078	0.100	0.126	0.147	0.168	0.268	0.210	0.233	0.256	0.303	0.351	0.400	0.450	0.500	0.550
3/8"	0.126	1"	0.052	0.084	0.112	0.146	0.172	0.204	0.236	0.270	0.304	0.338	0.372	0.450	0.528	0.599	0.670	0.743	0.816
1/2"	0.147	1 1/8"	0.078	0.114	0.158	0.202	0.244	0.292	0.340	0.542	0.422	0.472	0.522	0.438	0.354	0.612	0.870	0.965	1.060
3/4"	0.154	1 3/8"	0.138	0.150	0.216	0.270	0.334	0.396	0.458	0.728	0.550	0.621	0.692	0.817	0.941	1.071	1.200	1.290	1.380
1"	0.179	1 1/2"	0.220	-	0.306	0.385	0.464	0.557	0.650	1.035	0.828	0.914	1.000	1.165	1.330	1.499	1.667	1.834	2.000
1 1/4"	0.191	1 5/8"	0.335	-	0.400	0.550	0.670	0.785	0.900	1.025	1.150	1.275	1.400	1.640	1.880	2.125	2.370	2.610	2.850
1 1/2"	0.200	1 3/4"	0.465	-	0.535	0.710	0.870	1.038	1.205	1.366	1.528	1.689	1.850	1.735	1.620	2.393	3.167	3.483	3.800
2"	0.218	2"	0.700	-	-	0.915	1.130	1.350	1.500	2.415	1.950	2.100	2.250	2.655	3.060	3.520	3.980	4.375	4.770
2 1/2"	0.276	2 1/2"	0.935	-	-	-	-	-	-	-	-	-	3.198	3.553	3.731	4.797	5.330	5.597	5.863
3"	0.300	2 5/8"	1.750	-	-	-	-	-	2.668	3.002	3.335	3.669	4.002	5.247	6.491	7.301	8.110	8.924	9.738
4"	0.337	2 7/8"	3.261	-	-	-	-	-	4.743	5.336	5.929	6.522	7.115	8.301	9.487	10.673	11.859	13.045	14.231

## 316/316L Weights

Diameter	Wall Thickness	Length of Close	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"	0.095	3/4"	0.018	0.038	0.05	0.062	0.072	0.083	0.094	0.112	0.13	0.140	0.15	0.157	0.164	0.185	0.206	0.226	0.246
1/4"	0.119	7/8"	0.030	0.060	0.078	0.100	0.126	0.150	0.168	0.200	0.210	0.233	0.256	0.262	0.268	0.310	0.352	0.386	0.420
3/8"	0.126	1"	0.052	0.084	0.112	0.146	0.172	0.200	0.236	0.266	0.306	0.339	0.372	0.396	0.420	0.448	0.476	0.497	0.518
1/2"	0.147	1 1/8"	0.078	0.114	0.158	0.202	0.244	0.294	0.340	0.400	0.422	0.472	0.522	0.571	0.620	0.641	0.662	0.853	1.044
3/4"	0.154	1 3/8"	0.138	0.150	0.216	0.270	0.334	0.400	0.458	0.512	0.550	0.621	0.692	0.708	0.725	0.818	0.910	1.000	1.090
1"	0.179	1 1/2"	0.220	-	0.306	0.394	0.464	0.600	0.650	0.724	0.828	0.914	1.000	1.202	1.405	1.562	1.720	1.890	2.060
1 1/4"	0.191	1 5/8"	0.335	-	0.400	0.550	0.670	0.785	0.900	1.050	1.150	1.275	1.400	1.395	1.390	1.700	2.010	2.155	2.300
1 1/2"	0.200	1 3/4"	0.465	-	0.535	0.710	0.870	1.040	1.205	1.350	1.500	1.675	1.850	1.750	1.650	1.860	2.070	2.250	2.430
2"	0.218	2"	0.700	-	-	0.915	1.130	1.350	1.500	1.700	1.950	2.100	2.250	2.625	3.000	3.375	3.750	4.125	4.500
3"	0.300	2 5/8"	2.029	-	-	-	-	-	3.250	3.655	4.060	4.465	4.870	5.680	6.490	7.302	8.114	8.925	9.737
4"	0.337	2 7/8"	-	-	-	-	-	-	-	-	-	-	-	-	9.487	-	-	-	-



# Stainless Hex and King Nipple Weights

## 316/316L Hex Nipple

Diameter	Length	Weight
1/8"	1.30	0.021
1/4"	1.30	0.043
3/8"	1.38	0.087
1/2"	1.67	0.150
3/4"	1.81	0.187
1	1.97	0.300
1 1/4"	2.28	0.480
1 1/2"	2.36	0.650
2"	2.70	0.950

## 316/316L Reducing Hex Nipple

Diameter	Length	Weight
1/4" x 1/8"	1.30	0.044
3/8" x 1/8"	1.38	0.875
3/8" x 1/4"	1.38	0.875
1/2" x 1/4"	1.67	0.150
1/2" x 3/8"	1.67	0.150
3/4" x 1/4"	1.81	0.187
3/4" x 3/8"	1.81	0.187
3/4" x 1/2"	1.81	0.187
1" x 3/8"	1.97	0.300
1" x 1/2"	1.97	0.300
1" x 3/4"	1.97	0.300
1-1/4" x 1"	2.28	0.480
1-1/2 x 1	2.36	0.650
1-1/2 x 1-1/4	2.36	0.650
2" x 1/2"	2.70	0.950
2" x 1"	2.70	0.950
2" x 1-1/4"	2.70	0.950
2" x 1-1/2"	2.70	0.950

## 316/316L King Nipple Hose x Threaded

Diameter	Length	Weight
1/8"	1.57	0.025
1/4"	1.77	0.050
3/8"	1.97	0.075
1/2"	2.36	0.131
3/4"	2.56	0.200
1	2.95	0.350
1 1/4"	3.35	0.500
1 1/2"	3.54	0.917
2"	3.94	1.333
2-1/2"	4.72	1.750
3"	5.12	2.050
4"	5.51	4.650



# Stainless Nipple Part Numbers

**S83 4 4 NI 010 060**

Product Line	
S83	Schedule, 40 Welded, Hex & King
S85	Seamless

Schedule	
4	Schedule 40
8	Schedule 80

Alloy	
4	304/304L
6	316/316L

Item Code	
NI	Nipples

Diameter

Length

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





**150# Fittings**

304 & 316  
1/8" - 4"



**Weld Fittings**

304L & 316L SCH 10, 40 & 80  
1/2" - 12"



**Nipples**

304L & 316L  
SCH 40 WELDED & SCH 80 SEAMLESS  
1/8" - 4" DIAMETER • CLOSE - ANY LENGTH



**Pipe & Sanitary Tubing**

Pipe, 304/304L & 316/316L  
Sch 10, 40 & 80  
Welded & Seamless 1/8" - 8"  
Sanitary Tubing 1" - 4"



**Flanges**

304/304L & 316/316L  
150# & 300# • 1/2" - 12"



**3000# Forged Fittings**

304L & 316L  
THREADED & SOCKET WELD  
1/8" - 4"



**Belled-End Fittings**

304L & 316L  
1/2" - 2"



**Valves**

316/316L CAST AND FORGED  
150#, 200#, 300#, 600#, 800#  
BALL, GATE, GLOBE, & CHECK • 1/4" - 12"



**Grooved Fittings**

304L & 316L  
Sch 10 & Sch 40  
1-1/2" - 12"



**Compression Fittings**

316 STAINLESS  
DOUBLE FERRULE  
**Instertment Tubing**  
304/304L & 316/316L  
WELDED & SEAMLESS • 1/16" - 1"



**Fabrication & Machining**

FLANGED FITTINGS MADE TO ORDER  
CUSTOM MACHINING OF FLANGES



**Specialty Fittings**

316 KING COMBO NIPPLES  
WELD SPUDS  
HEX NIPPLES

**SMITH-COOPER<sup>®</sup>**  
INTERNATIONAL

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