SECTION 02
BLACK & GALVANIZED NIPPLES

This section lists out our extensive offering for steel nipples and pipe. Each section conveniently lays out the different offerings of each type of nipple in black, galvanized, wholesale and retail.

For Steel Pipe, Pre-Cut Pipe, Extra-Heavy Nipples, Seamless Nipples, please visit our wholesale literature page at our website: www.bkproducts.com

3/8in Diameter

Schedule 40 Nipples

MIP x MIP

BULK PART NUMBER

Length	Black	Galvanized	Inner	MC
Close	582-001	562-001	25	100
1-1/2in	582-015	562-015	25	100
2in	582-020	562-020	25	100
2-1/2in	582-025	562-025	25	100
3in	582-030	562-030	25	100
3-1/2in	582-035	562-035	25	100
4in	582-040	562-040	25	100
4-1/2in	582-045	562-045	25	100
5in	582-050	562-050	25	100
5-1/2in	582-055	562-055	25	100
6in	582-060	562-060	25	100
7in	582-070	562-070	75	-
8in	582-080	562-080	75	-
9in	582-090	562-090	75	-
10in	582-100	562-100	75	-
11in	582-110	562-110	75	-
12in	582-120	562-120	75	-

BARCODED PART NUMBER

Length	Black	Galvanized	Inner	MC
Close	582-001HC	562-001HC	10	480
1-1/2in	582-015HC	562-015HC	10	480
2in	582-020HC	562-020HC	10	480
2-1/2in	582-025HC	562-025HC	10	480
3in	582-030HC	562-030HC	10	480
3-1/2in	582-035HC	562-035HC	10	240
4in	582-040HC	562-040HC	10	240
4-1/2in	582-045HC	562-045HC	10	240
5in	582-050HC	562-050HC	10	240
5-1/2in	582-055HC	562-055HC	10	240
6in	582-060HC	562-060HC	10	160
7in	582-070HC	562-070HC	25	150
8in	582-080HC	562-080HC	25	150
9in	-	-	-	-
10in	582-100HC	562-100HC	25	75
11in	582-110HC	562-110HC	25	75
12in	582-120HC	562-120HC	25	75

1/2in Diameter

Schedule 40 Nipples

MIP x MIP

BULK PART NUMBER

Length	Black	Galvanized	Inner	MC
Close	583-001	563-001	25	100
1-1/2in	583-015	563-015	25	100
2in	583-020	563-020	25	100
2-1/2in	583-025	563-025	25	-
3in	583-030	563-030	25	-
3-1/2in	583-035	563-035	25	-
4in	583-040	563-040	25	-
4-1/2in	583-045	563-045	25	-
5in	583-050	563-050	25	-
5-1/2in	583-055	563-055	25	-
6in	583-060	563-060	25	-
7in	583-070	563-070	25	-
8in	583-080	563-080	25	-
9in	583-090	563-090	25	-
10in	583-100	563-100	25	-
11in	583-110	563-110	25	-
12in	583-120	563-120	25	-

BARCODED PART NUMBER

Length	Black	Galvanized	Inner	MC
Close	583-001HC	563-001HC	25	600
1-1/2in	583-015HC	563-015HC	25	600
2in	583-020HC	563-020HC	25	400
2-1/2in	583-025HC	563-025HC	25	400
3in	583-030HC	563-030HC	25	200
3-1/2in	583-035HC	563-035HC	25	200
4in	583-040HC	563-040HC	25	150
4-1/2in	583-045HC	563-045HC	25	150
5in	583-050HC	563-050HC	25	200
5-1/2in	583-055HC	563-055HC	25	100
6in	583-060HC	563-060HC	25	100
7in	583-070HC	563-070HC	25	75
8in	583-080HC	563-080HC	25	75
9in	583-090HC	563-090HC	25	75
10in	583-100HC	563-100HC	25	75
11in	583-110HC	563-110HC	25	75
12in	583-120HC	563-120HC	25	75

FINISHES

Black, Galvanized and Their Designed Applications

Our fittings, nipples and pipes are offered in three finishes: Black, Galvanized and Red Brass. Each finish offers unique application advantages over each other making them ideal for particular projects.

BLACK FINISH

Accessories with black finish are generally used for lubricant oil, grease, LP gas, natural gas, gases (nitrogen, oxygen, etc.), steam and diesel. This finish is best suited for normal use where an inner rustproof protection is not required.

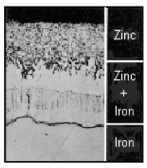
GALVANIZED FINISH

Our Galvanized Finish offering is used for hot and cold water systems, refrigeration, sprinklers, compressed air, gasoline, diesel, alcohol, and some other applications where conducted fluid needs inner rustproof protection.

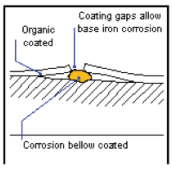
These fittings are manufactured by hot-dip galvanizing according to ASTM A-153. There are several ways to protect iron against rust, but none better than our hot-dip galvanizing process. Hot-dip galvanizing is one of the most efficient, practical and economical ways to protect iron and steel as zinc resists very well environment, air, and water corrosion for long lasting protection.

Galvanizing protects from corrosion the following ways:

1) It offers a long lasting isolating coverage made of metallic zinc and zinc alloy expertly applied to our iron.
2) Since zinc is bonded to iron as part of the iron-zinc combination, the protection works at a molecular level throughout the union. This serves as both a mechanical and corrosion protector.

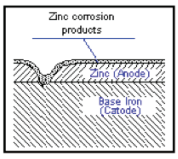


Zinc resists the environment's corrosive actions. Opposite to this, most of the organic coatings (paintings) are environmentally unstable and need to be renewed frequently. When a little failure occurs, corrosion starts and it begins to become larger under the protective coating.



Cathodic iron protection, provided by the metallic zinc coating, is factually based on corrosion being an electro-chemical process.

As zinc is a highly active electrochemical element, it tends to absorb oxygen before iron does it. Furthermore, this condition



creates additional protection against zinc hydroxide. This cathodic protection prevents corrosion to exposed parts, due to any discontinuity or mechanical damage on the coating.

NIPPLE PRODUCTS

We manufacture threaded and flat end nipples with galvanized and black finishes alongside aluminum and brass options. Processed diameters range from 1/8-in to 6-in and lengths from close thread to 12-in for nipples with pipe lengths from 10 ft to 21-ft.

WELDED STEEL NIPPLE PRODUCTS

Offering includes:

- Schedule 40 Nipple, Black and Galvanized
- Schedule 80 Nipple, Black and Galvanized
- Galvanized Conduit Nipple (UL listed)

Normal applications for threaded product lines are steam, gas, water and compressed air. Schedule should be selected based on the conduction lines required pressure. Our galvanized conduit is best with metallic pipes used for installation of wires and cables.

Our welded steel nipples are manufactured to ASTM A733 and ASME B1.20.1 specifications. UL6 specification applies for galvanized conduit nipples.

SEAMLESS STEEL NIPPLE PRODUCTS

This nipple offering is manufactured with seamless steel pipe that complies with ASTM A106, Grade B standard.

- Schedule 40 Nipple, Black and Electro-galvanized (includes yellow-zinc finish)
- Schedule 80 Nipple, Black and Electro-galvanized (includes yellow-zinc finish)
- Schedule 160 Nipple, Black and Electro-galvanized (includes yellow-zinc finish)

These seamless nipples are ideal for high temperature service applications. Schedule should be selected based on the conduction lines required pressure.

Our seamless steel nipples are manufactured according to ASTM A733 and ASME B1.20.1 standards.

BRASS NIPPLES

Southland brass nipples are manufactured with ASTM B43 compliant brass tube.

Brass nipple applications include plumbing, heater lines, boilers and related purposes.

These are manufactured according to ASTM B687 and ASME B1.20.1 standards.

NIPPLE SPECIFICATIONS

Material, Mechanical & Chemical Properties

Southland nipples are manufactured to the exacting technical specs noted below. All nipple products undergo rigorous testing to help ensure guaranteed quality throughout all product groups.

MATERIAL SPECIFICATIONS

Our line of steel nipples and ready cut pipe is manufactured according to the strictest worldwide specifications. For this reason its response to corrosion, temperature and working pressures will be excellent, promoting long lasting and reliable fluid conduction systems.

MECHANICALS PROPERTIES

Welded steel pipe nipples and ready-cut pipe, schedule 40 & 80, ERW type (Electric Resistance Welded), Grade A are manufactured to the ASTM A-53 standard.
Seamless steel pipe nipples and ready-cut pipe, schedule 40, 80, 160 & XXS, Grade B are manufactued to the ASTM A-106 standard.

	GRADE A	GRADE B
Tensile strength	48,000 psi	60,000 psi
Yield strength	30,000 psi	35,000 psi
Elongation in 2 inches	E= 625000*A*0.2 / U*0.9	E= 625000*A*0.2 / U*0.9

CHEMICAL PROPERTIES

Chemical composition (%) – maximum values

	CARBON	COOPER A	NICKEL A	CHROME A	MOLYDBENDUM A	VANADIUM A	MANGANESE	PHOSPHORUS	SULFUR
Grade A: A53	0.25%	0.4%	0.4%	0.4%	0.15%	0.08%	0.95%	0.05%	0.045%
Grade B: A106	0.30%	0.4%	0.4%	0.4%	0.15%	0.08%	0.29-1.06%	0.035%	0.035%

A – The combination of these 5 elements should not exceed 1.00%

PRESSURES

Maximum allowable working pressure - Grade A welded carbon steel pipe threaded nipples.

Size	Depth Thread	OD	Wall Thickness	Schedule	-20°-100°F (PSI)	200°F (PSI)	300°F (PSI)	400°F (PSI)	500°F (PSI)	600°F (PSI)	650°F (PSI)
1/8-in	0.027	0.405	0.068	40	2948	2948	2948	2948	2948	2782	2702
	0.027	0.405	0.095	80	5222	5222	5222	5222	5222	4857	4756
1/4-in	0.046	0.540	0.088	40	2229	2229	2229	2229	2229	2084	2038
	0.046	0.540	0.119	80	4085	4085	4085	4085	4085	3823	3729
3/8-in	0.046	0.675	0.091	40	1897	1897	1897	1897	1897	1777	1739
	0.046	0.675	0.126	80	3547	3547	3547	3547	3547	3281	3229
1/2-in	0.054	0.840	0.109	40	1879	1879	1879	1879	1879	1747	1715
	0.054	0.840	0.147	80	3301	3301	3301	3301	3301	3067	3006
3/4-in	0.054	1.050	0.113	40	1601	1601	1601	1601	1601	1493	1454
	0.054	1.050	0.154	80	2795	2795	2795	2795	2795	2605	2555
1-in	0.066	1.315	0.133	40	1438	1438	1438	1438	1438	1335	1315
	0.066	1.315	0.179	80	2505	2505	2505	2505	2505	2320	2281
1-1/4-in	0.066	1.660	0.140	40	1254	1254	1254	1254	1254	1169	1145
	0.066	1.660	0.191	80	2172	2172	2172	2172	2172	2021	1980
1-1/2-in	0.066	1.900	0.145	40	1162	1162	1162	1162	1162	1086	1064
	0.066	1.900	0.200	80	2028	2028	2028	2028	2028	1883	1846
2-in	0.066	2.375	0.154	40	1034	1034	1034	1034	1034	964	940
	0.066	2.375	0.218	80	1834	1834	1834	1834	1834	1699	1660
2-1/2-in	0.096	2.875	0.203	40	1037	1037	1037	1037	1037	964	945
	0.096	2.875	0.276	80	1785	1785	1785	1785	1785	1657	1621
3-in	0.096	3.500	0.216	40	953	953	953	953	953	886	866
	0.096	3.500	0.300	80	1657	1657	1657	1657	1657	1537	1507
4-in	0.096	4.500	0.237	40	872	872	872	872	872	809	792
	0.096	4.500	0.337	80	1518	1518	1518	1518	1518	1408	1379
6-in	0.096	6.625	0.280	40	771	771	771	771	771	713	700
	0.096	6.625	0.432	80	1434	1434	1434	1434	1434	1328	1301