

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

Black & Galv. Nipples0018

- Schedule 40
- Schedule 80
- Schedule 80 Seamless
- Schedule 160 Seamless

Nipple Assortments031

- Series 6700

Schedule 40 Precut Pipe033



SCHED. 40 NIPPLES | BLACK & GALVANIZED



2in Diameter Schedule 40 Nipples

MIP x MIP

BULK PART NUMBER

Length	Black	Galvanized	Inner	MC
Close	588-001	568-001	25	-
2-1/2in	588-025	568-025	25	-
3in	588-030	568-030	25	-
3-1/2in	588-035	568-035	25	-
4in	588-040	568-040	25	-
4-1/2in	588-045	568-045	25	-
5in	588-050	568-050	25	-
5-1/2in	588-055	568-055	25	-
6in	588-060	568-060	25	-
7in	588-070	568-070	10	-
8in	588-080	568-080	10	-
9in	588-090	568-090	10	-
10in	588-100	568-100	10	-
11in	588-110	568-110	10	-
12in	588-120	568-120	10	-

BARCODED PART NUMBER

Length	Black	Galvanized	Inner	MC
Close	588-001HC	568-001HC	5	40
2-1/2in	588-025HC	568-025HC	5	40
3in	588-030HC	568-030HC	5	40
3-1/2in	588-035HC	568-035HC	5	30
4in	588-040HC	568-040HC	5	30
4-1/2in	588-045HC	568-045HC	5	20
5in	588-050HC	568-050HC	5	20
5-1/2in	588-055HC	568-055HC	5	20
6in	588-060HC	568-060HC	5	20
7in	588-070HC	568-070HC	5	20
8in	588-080HC	568-080HC	5	20
9in	588-090HC	568-090HC	5	20
10in	588-100HC	568-100HC	5	20
11in	588-110HC	568-110HC	5	10
12in	588-120HC	568-120HC	5	10

3in Diameter Schedule 40 Nipples

MIP x MIP

BULK PART NUMBER

Length	Black	Galvanized	Inner	MC
Close	590-001	570-001	10	-
3in	590-030	570-030	10	-
3-1/2in	590-035	570-035	10	-
4in	590-040	570-040	10	-
4-1/2in	590-045	570-045	10	-
5in	590-050	570-050	10	-
5-1/2in	590-055	570-055	10	-
6in	590-060	570-060	10	-
7in	590-070	570-070	5	-
8in	590-080	570-080	5	-
9in	590-090	570-090	5	-
10in	590-100	570-100	5	-
11in	590-110	570-110	5	-
12in	590-120	570-120	5	-

BARCODED PART NUMBER

Length	Black	Galvanized	Inner	MC
Close	-	-	-	-
3in	-	-	-	-
3-1/2in	-	-	-	-
4in	-	-	-	-
4-1/2in	-	-	-	-
5in	-	-	-	-
5-1/2in	-	-	-	-
6in	-	-	-	-
7in	-	-	-	-
8in	-	-	-	-
9in	-	-	-	-
10in	-	-	-	-
11in	-	-	-	-
12in	-	-	-	-



SECTION 04 **PRODUCT** **SPECIFICATIONS**

Southland only provides the best in high-quality materials. In order to achieve this we rigorously test all products to many exacting standards so they perform to your needs every time.

Fittings & Nipple Specs044

- Finishes

Additional Nipple Specs045

- Construction
- Material
- Threading





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.

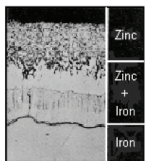
GALVANIZED FINISH

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.

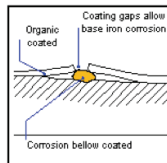
These fittings are manufactured by hot-dip galvanizing according to ASTM A-153. There are several ways to protect iron against rust, but none better than our hot-dip galvanizing process. Hot-dip galvanizing is one of the most efficient, practical and economical ways to protect iron and steel as zinc 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.

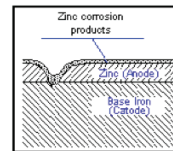


Zinc resists the environment's corrosive actions. Opposite to this, most of the organic coatings (paintings) are environmentally unstable and need to be renewed frequently. When a little failure occurs, corrosion starts and it begins to become larger under the protective coating.



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 manufactured 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	$E = \frac{625000 \cdot A \cdot 0.2}{U \cdot 0.9}$	$E = \frac{625000 \cdot A \cdot 0.2}{U \cdot 0.9}$

CHEMICAL PROPERTIES

Chemical composition (%) – maximum values

	CARBON	COOPER A	NICKEL A	CHROME A	MOLYBDENUM 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%

