



COMPLETE GUIDE TO
**ABRASIVE
BLAST HOSE**



BLAST HOSE TYPES AND SIZES

Black Blast Hose - General Purpose

Standard blast hose appropriate for use in all types of general abrasive blasting.
Standard and long life Survivor™ available.



I.D.	O.D.	Construction	Max Press.	Coupling/Nozzle Holder Size	Part #	Survivor™ Part #
1/2"	1 3/16"	2 PLY	150 PSI	1/2 (05)	520-800	500-800
3/4"	1 1/2"	2 PLY	150 PSI	1	520-812	500-812
1"	1 7/8"	2 PLY	150 PSI	2	520-822	500-822
1 1/4"	2 5/32"	4 PLY	150 PSI	3	520-832	500-832
1 1/2"	2 3/8"	4 PLY	150 PSI	4	520-842	500-842
2"	2 7/8"	4 PLY	150 PSI	6	520-852	500-852

Green Blast Hose - General Purpose

Standard blast hose appropriate for use in all types of general abrasive blasting.
Standard and long life Survivor™ available in most sizes.



I.D.	O.D.	Construction	Max Press.	Coupling/Nozzle Holder Size	Part #	Survivor™ Part #
1/2"	1 3/16"	4 PLY	150 PSI	1/2 (05)	520-800GN	N/A
3/4"	1 1/2"	4 PLY	150 PSI	1	520-812GN	500-812GN
1"	1 7/8"	4 PLY	150 PSI	2	520-822GN	500-822GN
1 1/4"	2 5/32"	4 PLY	150 PSI	3	520-832GN	500-832GN
1 1/2"	2 3/8"	4 PLY	150 PSI	4	520-842GN	500-842GN
2"	2 7/8"	4 PLY	150 PSI	6	520-852GN	500-852GN

Tan Ergo Flex Blast Hose - Extra Flexible

A thinner walled blast hose commonly used as a short flexible (whip hose) extension at the nozzle end to increase operator comfort and used in soda blasting applications. Standard and long life Survivor™ available.



I.D.	O.D.	Construction	Max Press.	Coupling/Nozzle Holder Size	Part #	Survivor™ Part #
1"	1 1/2"	2 PLY	150 PSI	1	520-827	500-827
1 1/4"	1 7/8"	2 PLY	150 PSI	2	520-837	500-837

Specialty 1/2" I.D. Black Blast Hose

OEM specific nonstandard 1/2" I.D. Blast Hose. Standard and long life Survivor™ available in most sizes.



I.D.	O.D.	Construction	Max Press.	Coupling/Nozzle Holder Size	Part #	Survivor™ Part #
1/2"	1"	2 PLY	150 PSI	OEM SPECIFIC	520-782	N/A
1/2"	1 1/16"	2 PLY	150 PSI	OEM SPECIFIC	520-792	500-792
1/2"	1 1/8"	2 PLY	150 PSI	OEM SPECIFIC	520-798	500-798
1/2"	1 3/8"	2 PLY	150 PSI	OEM SPECIFIC	392-034	500-034

COUPLINGS / NOZZLE HOLDERS



NYLON - 125 PSI Max.

AVAILABLE SIZES

	1/2	1	2	3	4	6
NOZZLE HOLDER	N/A	✓	✓	✓	N/A	N/A
COUPLING	N/A	✓	✓	✓	N/A	N/A
FULL PORT COUP.	N/A	N/A	N/A	N/A	N/A	N/A



ALUMINUM - 150 PSI Max.

TIP - IT IS RECOMMENDED THAT NOZZLES WITH ALUMINUM THREADS NOT BE USED WITH ALUMINUM NOZZLE HOLDERS AS THEY WILL BECOME STUCK/ INSEPARABLE.

AVAILABLE SIZES

	1/2	1	2	3	4	6
NOZZLE HOLDER	✓	✓	✓	✓	✓	N/A
COUPLING	✓	✓	✓	✓	✓	N/A
FULL PORT COUP.	N/A	N/A	✓	✓	✓	✓



BRASS - 175 PSI Max.

TIP - BE AWARE WHEN USING BRASS THREADED NOZZLES WITH BRASS NOZZLE HOLDERS, THEY MAY BECOME STUCK/INSEPARABLE OVER TIME

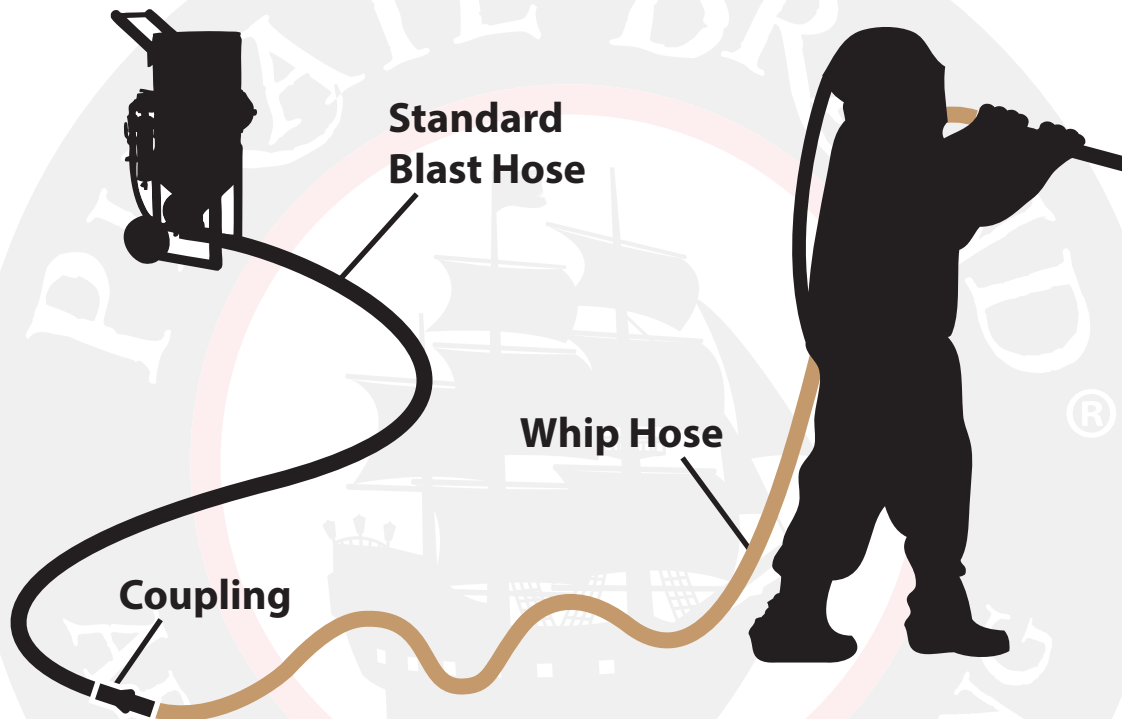
AVAILABLE SIZES

	1/2	1	2	3	4	6
NOZZLE HOLDER	✓	✓	✓	✓	✓	N/A
COUPLING	✓	✓	✓	✓	✓	N/A
FULL PORT COUP.	N/A	N/A	✓	✓	✓	✓

WHIP HOSES



Instead of running standard blast hose all the way to the operator, consider adding a short section of lighter and more flexible tan Ergo Flex hose at the nozzle end. Also referred to as a whip hose, the added comfort and reduced amount of “fighting against the blast hose” results in better operator productivity. The trade-off is the thinner walls of the more flexible hose will wear out faster. For this reason, using tan Survivor™ hose for your whip hose is recommended. Whip hose assemblies are available 10’ or 12-1/2’ lengths with nylon, aluminum, or brass couplings.



CHOOSING BLAST HOSE SIZE

Using an under-sized hose will result in poor performance and productivity in an abrasive blasting system. A good general rule to follow is the blast hose I.D. should be between 2 and 3 times the diameter of your blast nozzle throat diameter.

TIP: When choosing the right nozzle for your system, consult an Air requirements chart to ensure your compressed air source can keep up with the demand of the nozzle size you choose.

2-3 TIMES THE NOZZLE DIAMETER

STANDARD HOSE VS SURVIVOR™

Summary: It has been decades since the last major innovation in abrasive blast hose until now! Survivor™ abrasive blast hose takes advantage of an engineered compound that has twice the abrasive resistance of standard blast hose*. Almost all sizes of Pirate Brand® abrasive blast hose, including flexible tan hose, are available in Survivor™ compound. Part numbers are shown in the “blast hose types and sizes” charts.

SURVIVOR™



2X

**The Life Of Standard
Blast Hose On Average***

Not Even Close To 2X The Cost.

What are the benefits of blast hose with 2X the life?

- 1/2 the down-time due to changing hoses.
- Blast hose that can last through the big jobs.
- Whip hose that wears like standard blast hose.
- The right hose for the toughest applications.
- More production-time for automated machines with tough-to-change blast hoses.

* Based on lab results from DIN test with non-rotating head versus abrasion-resistant SBR compounds. Service life may vary depending on application conditions.

HOSE ASSEMBLIES

Pirate Brand® offers hose assemblies with the couplings and/or nozzle holders already properly installed for your convenience. We have many standard assemblies available but should you need a special assembly, we offer **free assembly** by request when you purchase the hose/couplings/nozzle holders from us.

BENEFITS:

- **Saves Time/Labor**
- **Proper Installation Of Couplings**
- **Ready To Go When It Arrives**
- **Brass/Aluminum/Nylon Available**



Proper Coupling / Nozzle Holder Installation Is Crucial



THE #1 CAUSE OF COUPLING FAILURE IS IMPROPER INSTALLATION!

Proper installation of blast hose couplings & nozzle holders is critical to prevent premature coupling failures and leaks. Of course, purchasing hose assemblies from Pirate Brand® ensures proper installation of couplings and nozzle holders, but when field installation is necessary always use proper procedures.

← A detailed instruction document on proper coupling/nozzle holder installation is available in the manuals section of our website.

NOTE: FACTORY HOSE ENDS ARE NOT SQUARE - ALWAYS CUT SQUARE PRIOR TO INSTALLING COUPLINGS & NOZZLE HOLDERS.