

Having the right nozzle for the job increases production rates. That is why Allredi is your first choice for nozzles. Allredi stocks a wide variety of nozzles to meet your specific job requirements. With the largest inventory of nozzles available in North America, Allredi will ship in stock orders the same day your order is placed, preventing downtime and keeping your job on schedule.

INCREASED PRODUCTION

Having the right tool for the job will increase production rates. Allredi offers a wide variety of nozzles to ensure you have the right nozzle for your specific application.

Additional increases in production can be gained by selecting the correct size nozzle for the CFM output capacity of your compressor. This ensures the compressor has sufficient volume of air to provide the desired PSI at the nozzle. The larger the nozzle orifice, the more CFM required to maximize production rates.

Nozzles with venturi shaped liners increase the velocity of abrasive, increasing production rates. Once a nozzle has worn more than 1/16", the acceleration rate is reduced, dropping production rates significantly. This wear can be quickly identified by dropping a HSS drill bit that is 1/16" larger than the original nozzle orifice down the nozzle. If the drill bit slides through the nozzle its time to replace your nozzle.



AVAILABILITY

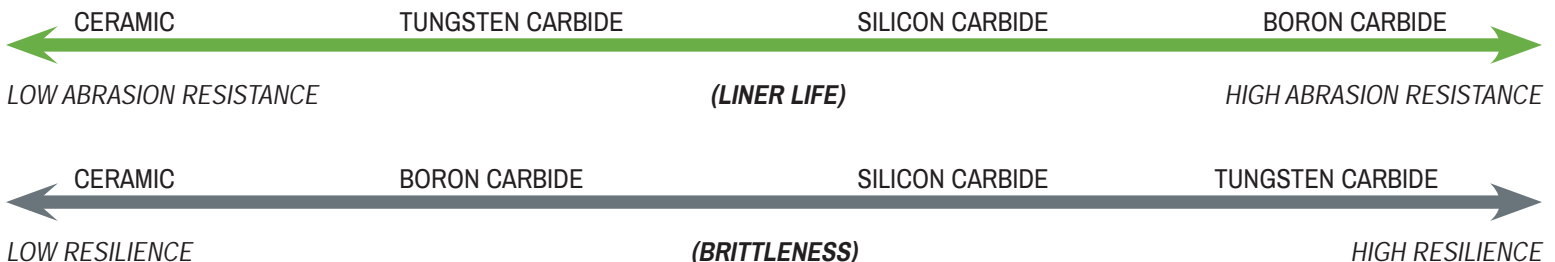
Allredi maintains the largest inventory of nozzles in North America. We ship in stock nozzles the same day your order is placed, preventing downtime and keeping the job on schedule.



ULTIMATE PRODUCTIVITY PACKAGE

Increase production rates up to 15% with the use of a 1-1/4 wide entry nozzle and our 1-1/4" I.D. Super-Flex blast hose. This combination provides a consistent 1-1/4" I.D. path to the nozzle. Standard 1" entry nozzles restrict the flow of air & abrasive at the entry point of the nozzle, causing turbulence, reducing production rates.

LINER COMPARISON



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MOST POPULAR NOZZLES



ALL POLY JACKET - TC LINER NOZZLE

A long lasting tungsten carbide liner and impact absorbing polyurethane jacket provide exceptional durability. The all polyurethane jacket provides a lighter weight alternative to a nozzle with brass threads.

ALL POLY JACKET - SC LINER NOZZLE

Nozzles featuring a silicon carbide liner weigh approximately 40% less than tungsten carbide and can last over 50% longer. The all polyurethane jacket provides a lighter weight alternative to a nozzle with brass threads.



POLY JACKET - BRASS THREADS - TC LINER

A long lasting tungsten carbide liner and impact absorbing polyurethane jacket provide exceptional durability. Brass threads provide additional wear resistance, which is ideal for frequent nozzle installation and removal.

ALUMINUM JACKET - TC LINER NOZZLE

This nozzle uniquely combines a long lasting tungsten carbide liner and a one piece aluminum jacket with 50mm threads. The durability of aluminum threads combined with the cross thread resistant 50mm threads makes this a popular choice. A slip-resistant rubber sleeve provides blasters with a solid grip, reduces vibration, and absorbs some of the impact on the liner in the event that the nozzle is dropped.



CERAMIC NOZZLE

Made of premium grade alumina ceramic, our Ceramic nozzles provide an economical option for small capacity blast pots. Ceramic nozzles are available in two styles, with multiple orifice sizes to choose from. Type I nozzles are flexible enough to be used for a wide variety of blast projects. Smaller Type II nozzles are ideal for finer detail blasting projects such

FLANGED JACKET - TC LINER NOZZLE

A long lasting, wide entry, tungsten carbide liner, and aluminum jacket provides exceptional durability. The flanged nozzle is used with a quick disconnect flanged nozzle holder to eliminate cross threading, galling, or seizing issues. The flanged design is ideal for jobs where the operator is frequently adding or removing sections of blast hose.



SPECIAL APPLICATION NOZZLES



ANGLE NOZZLE

Angle nozzles are ideal for blasting hard to reach areas such as the interior of pipes, bulkheads in ships, bridge lattice, and other tight spaces. Choose between one or three outlets for up to 360 degrees of surface area coverage. Angle nozzles are available in 45°, 90°, or 135° angles.

BANANA NOZZLE

A boron carbide liner and uniquely shaped aluminum jacket make this nozzle perfect for more precise blasting in tight spaces. The design provides the flexibility to directly target hard to reach areas rather than blasting indirectly with rebounding abrasive.



BORON CARBIDE NOZZLE

The abrasion resistance characteristics of a Boron Carbide nozzle liner allows it to outlast tungsten carbide liners by 5 to 10 times. Boron Carbide nozzles are ideal for use with extremely aggressive abrasives such as Aluminum Oxide. The metal jacket provides greater liner protection for use in tight spaces where frequent impacts may occur.

DOUBLE VENTURI NOZZLE

A unique tungsten carbide liner shape and aluminum jacket provides a larger blast pattern than a single venturi with a minor reduction in abrasive velocity. The double venturi design maintains an even distribution of abrasive particles throughout the larger blast pattern.



SHORT VENTURI NOZZLE

A durable tungsten carbide liner in a compact, impact absorbing jacket makes this ideal for use in tight spaces. At 12"-18" from the work surface, this nozzle produces the same blast pattern as a long venturi nozzle at 24"-36".

STRAIGHT BORE CABINET NOZZLE

A compact straight bore tungsten carbide liner with an aluminum jacket is perfect for precision blasting at 12" or less. This nozzle is primarily used in blast cabinets. Other applications for this nozzle include automated blast systems and internal pipe blasting.



Nozzle Orifice	Pressure at the Nozzle (PSI)								Air in CFM Abrasive & HP requirements
	50	60	70	80	90	100	125	140	
No. 2 (1/8")	11	13	15	17	18	20	25	28	Air (CFM) Abrasives (LBS./HR.) Compressor (HP)
	67	77	88	101	112	123	152	170	
	2.5	3	3.5	4	4.5	5	5.5	6.2	
No. 3 (3/16")	26	30	33	38	41	45	55	62	Air (CFM) Abrasives (LBS./HR.) Compressor (HP)
	150	171	196	216	238	264	319	357	
	6	7	8	9	10	10	12	13	
No. 4 (1/4")	47	54	61	68	74	81	98	110	Air (CFM) Abrasives (LBS./HR.) Compressor (HP)
	268	312	354	408	448	494	608	681	
	11	12	14	16	17	18	22	25	
No. 5 (5/16")	77	89	101	113	126	137	168	188	Air (CFM) Abrasives (LBS./HR.) Compressor (HP)
	468	534	604	672	740	812	982	1100	
	18	20	23	26	28	31	37	41	
No. 6 (3/8")	108	126	143	161	173	196	237	265	Air (CFM) Abrasives (LBS./HR.) Compressor (HP)
	668	764	864	960	1052	1152	1393	1560	
	24	28	32	36	39	44	52	58	
No. 7 (7/16")	147	170	194	217	240	254	314	352	Air (CFM) Abrasives (LBS./HR.) Compressor (HP)
	896	1032	1176	1312	1448	1584	1931	2163	
	33	38	44	49	54	57	69	77	
No. 8 (1/2")	195	224	252	280	309	338	409	458	Air (CFM) Abrasives (LBS./HR.) Compressor (HP)
	1160	1336	1512	1680	1856	2024	2459	2754	
	44	50	56	63	69	75	90	101	
No. 10 (5/8")	308	356	404	452	504	548	663	742	Air (CFM) Abrasives (LBS./HR.) Compressor (HP)
	1875	2140	2422	2690	2973	3250	3932	4405	
	65.8	79.5	90	100.5	112	122	146	165	
No. 12 (3/4")	432	504	572	644	692	784	948	1062	Air (CFM) Abrasives (LBS./HR.) Compressor (HP)
	2672	2056	3456	3840	4208	4608	5570	6238	
	96	112	127	143	154	174.5	209	236	



Water Ring

The Water Ring attaches to most blast nozzles and eliminates up to 80% of dust by spraying water to the outside of the blast stream after it exits the nozzle.



Needle Pressure Gauge & Needles

Needle pressure gauges are the ideal way to verify air pressure in the abrasive blasting hose at the nozzle.



Couplings, Nozzle Holders & Washers

Allredi offers several types of couplings, nozzle holders and nozzle washers to meet the needs of a wide variety of applications.

JACKET OPTIONS

- All-Polyurethane
- Polyurethane - Brass
- Metal (Aluminum or Steel)

LINER MATERIALS

- Ceramic
- Boron Carbide
- Silicon Carbide
- Tungsten Carbide

THREAD OPTIONS

- Standard 1-1/4" Threads
- 50mm Threads
- 3/4" Threads
- Flanged

LINER TYPES

- Straight Bore
- Short Venturi
- Long Venturi
- Double Venturi

SPECIALITY NOZZLES

- 45°, 90°, or 135° Angle Nozzle
- Banana Nozzle
- Boron Carbide Nozzle
- Double Venturi Nozzle
- Short Venturi Nozzle
- Straight Bore Cabinet Nozzle
- XL Performance Nozzle
- Water Induction Nozzle

ATTACHMENT OPTIONS

- Standard or Quick-Disconnect Nozzle Holder
- Nozzle Holder Material - Aluminum, Nylon, or Brass
- Nozzle Holder Threads - Standard 1-1/4", 50mm, or 3/4"
- Abrasive Water Ring



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