

ULTRA-TUFF

SINI BLAST NOZZLE



APPLICATIONS

Ultra-Tuff Blast Nozzle is the Blasting Contractors first choice for general purpose blasting.

FEATURES AND BENEFITS

- This Ultra-Tuff nozzle has twice the life of a standard tungsten carbide nozzle.
- The nozzle is made with Silicon Nitride (SiNi II) liner which is extremely wear and abrasive resistant, and a tough urethane outer jacket. This means that when the blasters use their blast nozzle as a hammer or as a communication device to outside of the blasting area, that the nozzle will not shatter or break.
- This nozzle has the Coarse "Contractor" Thread (2" UNC) which means it will never 'jam' in your nozzle holder.
- This nozzle is half the weight of a tungsten carbide nozzle, which means your blasters will be less fatigued at the end of a day when they are holding on to a Ultra-Tuff Blast Nozzle

PART NUMBER	
BNULTRA3C	Ultra-Tuff SiNi Blast Nozzle 3/16" orifice CT
BNULTRA4C	Ultra-Tuff SiNi Blast Nozzle 1/4" orifice CT
BNULTRA5C	Ultra-Tuff SiNi Blast Nozzle 5/16" orifice CT
BNULTRA6C	Ultra-Tuff SiNi Blast Nozzle 3/8" orifice CT
BNULTRA7C	Ultra-Tuff SiNi Blast Nozzle 7/16" orifice CT
BNULTRA8C	Ultra-Tuff SiNi Blast Nozzle 1/2" orifice CT

SPECIFICATIONS			
Nozzle Size		The minimum air hose size	The minimum blast hose size
No. 4	1/4"	1" (25mm)	3/4" (20mm)
No. 5	5/16"	1-1/2" (40mm)	1" (25mm)
No. 6	3/8"	1-1/2" (40mm)	1-1/4" (32mm)
No. 7	7/16"	2" (50mm)	1-1/4" (32mm)
No. 8	1/2"	2" (50mm)	1-1/2" (40mm)

AIR CONSUMPTION (CFM) PER BLAST NOZZLE – USING GARNET ABRASIVE

Nozzle Size		Nozzle Pressure										
		50 psi	60 psi	70 psi	80 psi	90 psi	100 psi	110 psi	120 psi*	130 psi*	140 psi*	150 psi*
No. 2	1/8"	14	17	19	21	24	28	28	30	32	34	37
No. 3	3/16"	32	37	42	47	52	62	62	67	72	77	83
No. 4	1/4"	57	66	75	84	93	111	111	119	127	136	185
No. 5	5/16"	89	103	117	131	145	172	172	186	200	214	229
No. 6	3/8"	129	149	169	189	209	249	249	269	289	309	330
No. 7	7/16"	176	203	230	258	285	339	339	367	394	422	451
No. 8	1/2"	229	265	300	336	371	442	442	478	513	549	586
No. 10	5/8"	356	412	468	524	580	688	688	744	800	856	914
No. 12	3/4"	516	596	676	756	836	996	996	1076	1156	1236	1318
EFFICIENCY		47%	55%	64%	74%	86%	100%	115%	130%	145%	165%	175%

* Ensure equipment is rated for these pressures.

NOTE: Efficiency drops 1.5% for every 1 psi below 100 at the nozzle. This means a 14% efficiency drop at 90 psi, 26% efficiency lost at 80 psi and almost half lost at 60 psi. Efficiency goes up as pressure increases. 120 psi improves performance by 30%. Actual efficiency increase/decrease will vary depending on abrasive type and size, nozzle type, size and wear, hose sizes and wear, temperature, moisture content of compressed air, etc. Use a nozzle pressure gage [see next page] to measure air pressure at the nozzle. Make allowance for increased air consumption due to nozzle wear, air leaks, breathing airline filter, respirator breathing air and any pneumatic equipment using air from the compressor. **A good rule of thumb** is to use a compressor **twice** the capacity of the blast nozzle consumption.