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SANDBLAST NOZZLES

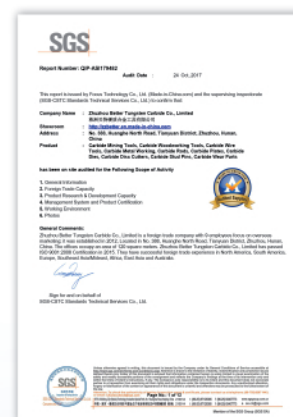


Company Introduction

Zhuzhou Better Tungsten Carbide Company (ZZbetter) was established in 2008 at Hunan Province, China. ZZbetter starts from tungsten carbide manufacturing, then expands material to boron carbide and silicon carbide in year 2012. Our boron carbide and silicon carbide products are widely exported to USA, Germany, Italy, Spain, Turkey, Russia, South Korea and many other countries too. To differ boron carbide & silicon carbide products from tungsten carbide, we registered new brand BSTEC.

BSTEC has advanced producing and test facilities, professional technical team, responsible sales and workers. We never stop researching and developing to satisfy our customers!

One try is eternity. Choose BSTEC, we will win together!



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►❖ Long Venturi Nozzle

Long Venturi Nozzle-Single Inlet, Coarse Thread 2"-4 1/2 U.N.C.
with Al Jacket and Rubber Cover

Model No.	Bore Dia. (mm)	Length (mm)	Inlet (mm)	Case	Liner Material
USVC-4.8	4.8	140	32	Al + Rubber	B4C & SiC
USVC-6.4	6.4	140	32	Al + Rubber	B4C & SiC
USVC-7.9	7.9	145	32	Al + Rubber	B4C & SiC
USVC-9.5	9.5	170	32	Al + Rubber	B4C & SiC
USVC-11.0	11.0	195	32	Al + Rubber	B4C & SiC
USVC-12.7	12.7	220	32	Al + Rubber	B4C & SiC



Long Venturi Nozzle-Double Inlets, Coarse Thread 2"-4 1/2 U.N.C.
with Al Jacket and Rubber Cover

Model No.	Bore Dia. (mm)	Length (mm)	Inlet (mm)	Case	Liner Material
UDVC-6.4	6.4	135	32	Al + Rubber	B4C & SiC
UDVC-7.9	7.9	155	32	Al + Rubber	B4C & SiC
UDVC-9.5	9.5	170	32	Al + Rubber	B4C & SiC
UDVC-11.0	11.0	215	32	Al + Rubber	B4C & SiC
UDVC-12.5	12.5	230	32	Al + Rubber	B4C & SiC



Long Venturi Nozzle-Single Inlet, Fine Thread 1-1/4" N.P.S.M.
with Steel Jacket

Model No.	Bore Dia. (mm)	Length (mm)	Inlet (mm)	Case	Liner Material
USVF175-6	6	175	25	Steel	B4C & SiC
USVF175-8	8	175	25	Steel	B4C & SiC
USVF175-10	10	175	25	Steel	B4C & SiC
USVF175-12	12	175	25	Steel	B4C & SiC



Long Venturi Nozzle-Double Inlets, Fine Thread 1-1/4" N.P.S.M.
with Steel Jacket

Model No.	Bore Dia. (mm)	Length (mm)	Inlet (mm)	Case	Liner Material
UDVF175-6	6	175	25	Steel	B4C & SiC
UDVF175-8	8	175	25	Steel	B4C & SiC
UDVF175-10	10	175	25	Steel	B4C & SiC
UDVF175-12	12	175	25	Steel	B4C & SiC



►❖ Short Venturi Nozzle

Short Venturi Nozzle-Single Inlet, Coarse Thread 2"-4 1/2 U.N.C.
with Al Jacket

Model No.	Bore Dia. (mm)	Length (mm)	Inlet (mm)	Case	Liner Material
USVC81-6	6	81	23	Al Jacket	B4C & SiC
USVC81-8	8	81	23	Al Jacket	B4C & SiC
USVC81-10	10	81	23	Al Jacket	B4C & SiC
USVC105-6	6	105	23	Al Jacket	B4C & SiC
USVC105-8	8	105	23	Al Jacket	B4C & SiC
USVC105-10	10	105	23	Al Jacket	B4C & SiC
USVC135-6	6	135	23	Al Jacket	B4C & SiC
USVC135-8	8	135	23	Al Jacket	B4C & SiC
USVC135-10	10	135	23	Al Jacket	B4C & SiC



Short Venturi Nozzle-Single Inlet, Fine Thread 1-1/4" N.P.S.M.
with Al Jacket

Model No.	Bore Dia. (mm)	Length (mm)	Inlet (mm)	Case	Liner Material
USVF81-6	6	81	23	Al Jacket	B4C & SiC
USVF81-8	8	81	23	Al Jacket	B4C & SiC
USVF81-10	10	81	23	Al Jacket	B4C & SiC
USVF105-6	6	105	23	Al Jacket	B4C & SiC
USVF105-8	8	105	23	Al Jacket	B4C & SiC
USVF105-10	10	105	23	Al Jacket	B4C & SiC
USVF135-6	6	135	23	Al Jacket	B4C & SiC
USVF135-8	8	135	23	Al Jacket	B4C & SiC
USVF135-10	10	135	23	Al Jacket	B4C & SiC



►❖ **Straight Bore Nozzle**

**Straight Bore Nozzle, Fine Thread 3/4"-14 N.P.S.M
with Al Jacket**

Model No.	Bore Dia. (mm)	Length (mm)	Case	Liner Material
USF415-2.4	2.4	41.5	Al Jacket	B4C & SiC
USF415-3.4	3.4	41.5	Al Jacket	B4C & SiC
USF415-4.8	4.8	41.5	Al Jacket	B4C & SiC
USF415-6.4	6.4	41.5	Al Jacket	B4C & SiC

Straight Bore Nozzle with Al Jacket

Model No.	Bore Dia. (mm)	Length (mm)	Case	Liner Material
USB85-6	6	85	Al Jacket	B4C
USB85-8	8	85	Al Jacket	B4C
USB85-10	10	85	Al Jacket	B4C
USB85-12	12	85	Al Jacket	B4C
USB110-5	5	110	Al Jacket	B4C
USB110-6	6	110	Al Jacket	B4C
USB110-8	8	110	Al Jacket	B4C
USB110-10	10	110	Al Jacket	B4C
USB110-12	12	110	Al Jacket	B4C

Straight Bore Nozzle-Connect In Nozzles with Al Jacket

Model No.	Bore Dia. (mm)	Length (mm)	Inlet Dia. (mm)	Case	Liner Material
USB405-6	6	40.5	25	Al Jacket	B4C
USB405-8	8	40.5	25	Al Jacket	B4C
USB405-10	10	40.5	25	Al Jacket	B4C
USB405-12	12	40.5	25	Al Jacket	B4C



►❖ **Stick-Up Nozzle**

**Stick-Up Venturi Nozzle with Aluminum Jacket
Fitting Hose ID 25mm**

Model No.	Bore Dia. (mm)	Length (mm)	Hose ID (mm)	Case	Liner Material
USU100-6	6	100	25	Al Jacket	B4C
USU100-8	8	100	25	Al Jacket	B4C
USU100-10	10	100	25	Al Jacket	B4C



**Stick-Up Venturi Nozzle with Aluminum Jacket
Fitting Hose ID 32mm**

Model No.	Bore Dia. (mm)	Length (mm)	Hose ID (mm)	Case	Liner Material
USU110-6	6	110	32	Al Jacket	B4C
USU110-8	8	110	32	Al Jacket	B4C
USU110-10	10	110	32	Al Jacket	B4C
USU110-12	10	110	32	Al Jacket	B4C



►❖ **Water Induction Nozzle**

**Water Induction Nozzle, Coarse Thread 2"-4 1/2 U.N.C.
with Al Jacket**

Model No.	Bore Dia. (mm)	Length (mm)	Thread	Case	Liner Material
UWIC-6	6	175	Coarse	Al Jacket	B4C
UWIC-8	8	175	Coarse	Al Jacket	B4C
UWIC-10	10	175	Coarse	Al Jacket	B4C
UWIC-12	12	175	Coarse	Al Jacket	B4C



**Water Induction Nozzle, Fine Thread 1-1/4" N.P.S.M.
with Al Jacket**

Model No.	Bore Dia. (mm)	Length (mm)	Thread	Case	Liner Material
UWIF-6	6	175	Fine	Al Jacket	B4C
UWIF-8	8	175	Fine	Al Jacket	B4C
UWIF-10	10	175	Fine	Al Jacket	B4C
UWIF-12	12	175	Fine	Al Jacket	B4C



►❖ Internal Pipe Blasting Nozzle & Tool

Internal Pipe Blasting Nozzle, Coarse Thread 2"-4 1/2 U.N.C. with Al Jacket

Model No.	Length (mm)	Pipe I.D.	Thread	Case	Liner Material
UIPC-360°	75/180	2"~5"	Coarse	Al Jacket	TC / B4C
UIPC-360°L	200	3/4"~2"	Coarse	Al Jacket	TC

Internal Pipe Blasting Nozzle, Fine Thread 1-1/4" N.P.S.M. with Al Jacket

Model No.	Length (mm)	Pipe I.D.	Thread	Case	Liner Material
UIPF-360°	75	2"~5"	Fine	Al Jacket	TC / B4C
UIPF-360°L	200	3/4"~2"	Fine	Al Jacket	TC



Exchangeable Deflection Tip for Internal Pipe Blasting Nozzle

Model No.	Type	Material
UIPDT	Deflection tip for UIPC-360°	TC / B4C
UIPDT-L	Deflection tip for UIPC-360°L	TC

Portable Internal Pipe Blast Tool

Model No.	Suitable Pipe Range	Component
UPBT-1	50mm ~ 300mm	Nozzle, Deflection Tip, Centering Collars, Centre Carriage
UPBT-2	300mm ~ 900mm	Nozzles, Rotating Blast Head Carriage, Leather Washers



►❖ Banana Curved Nozzle

Banana Curved Nozzle, Coarse Thread 2"-4 1/2 U.N.C. with Steel Jacket

Model No.	Bore Dia. (mm)	Length (mm)	Angle	Case	Liner Material
UBCC-6.4	6.4	120	45°	Steel	B4C
UBCC-7.9	7.9	120	45°	Steel	B4C
UBCC-9.5	9.5	120	45°	Steel	B4C
UBCC-11.0	11.0	120	45°	Steel	B4C



Banana Curved Nozzle, Fine Thread 3/4"-14 N.P.S.M with Steel Jacket

Model No.	Bore Dia. (mm)	Length (mm)	Angle	Case	Liner Material
UBCF-6	6	117	40°	Steel	B4C
UBCF-8	8	117	40°	Steel	B4C
UBCF-10	10	117	40°	Steel	B4C



►❖ **Tungsten Carbide Long Venturi Nozzle**

Long Venturi Nozzle-Single Inlet, Coarse Thread 2"-4 1/2 U.N.C.
with Al Jacket

Model No.	Bore Dia. (mm)	Length (mm)	Inlet (mm)	Case	Liner Material
SVCT170-6	6	170	25/32	Al Jacket	TC
SVCT170-8	8	170	25/32	Al Jacket	TC
SVCT170-10	10	170	25/32	Al Jacket	TC
SVCT170-12	12	170	25/32	Al Jacket	TC
SVCT170-14	14	170	25/32	Al Jacket	TC



Long Venturi Nozzle-Single Inlet, Coarse Thread 2"-4 1/2 U.N.C.
with Steel Jacket

Model No.	Bore Dia. (mm)	Length (mm)	Inlet (mm)	Case	Liner Material
SVCT180-6	6	180	32	Steel	TC
SVCT180-8	8	180	32	Steel	TC
SVCT180-10	10	180	32	Steel	TC
SVCT180-12	12	180	32	Steel	TC
SVCT180-14	14	180	32	Steel	TC



Long Venturi Nozzle-Single Inlet, Coarse Thread 2"-4 1/2 U.N.C.
with Rubber Cover

Model No.	Bore Dia. (mm)	Length (mm)	Inlet (mm)	Case	Liner Material
USVCT-4.8	4.8	120	25.4	Rubber	TC
USVCT-6.4	6.4	150	25.4	Rubber	TC
USVCT-7.9	7.9	160	32	Rubber	TC
USVCT-9.5	9.5	185	32	Rubber	TC
USVCT-11.0	11.0	215	32	Rubber	TC
USVCT-12.7	12.7	245	32	Rubber	TC



►❖ **Nozzle Liner**

Single Inlet Venturi Nozzle Insert

Model No.	Bore Dia. (mm)	Length (mm)	Inlet (mm)	Material	Type (PCS)
ISV32-4.8	4.8	130	32	B4C & SiC	Two
ISV32-6.4	6.4	130	32	B4C & SiC	One/Two
ISV32-7.9	7.9	135	32	B4C & SiC	One/Two
ISV32-9.5	9.5	160	32	B4C & SiC	One/Two
ISV32-11.0	11.0	185	32	B4C & SiC	Two
ISV32-12.7	12.7	210	32	B4C & SiC	Two
ISV25-4.8	4.8	130	25	B4C & SiC	One/Two
ISV25-6.4	6.4	130	25	B4C & SiC	One/Two
ISV25-7.9	7.9	135	25	B4C & SiC	One/Two
ISV25-9.5	9.5	160	25	B4C & SiC	One/Two
ISV25-11.0	11.0	185	25	B4C & SiC	Two
ISV25-12.7	12.7	210	25	B4C & SiC	Two



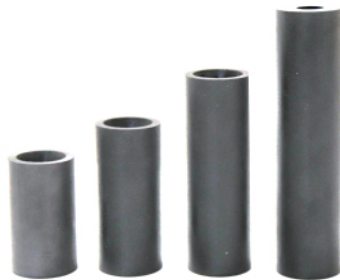
Double Inlets Venturi Nozzle Insert

Model No.	Bore Dia. (mm)	Length (mm)	Inlet (mm)	Material	Type (PCS)
IDV32-6.4	6.4	130	32	B4C & SiC	Two
IDV32-7.9	7.9	135	32	B4C & SiC	Two
IDV32-9.5	9.5	160	32	B4C & SiC	Two
IDV32-11.0	11.0	185	32	B4C & SiC	Two
IDV32-12.7	12.7	210	32	B4C & SiC	Two



Straight Bore Nozzle Insert

Model No.	Bore Dia. (mm)	OD (mm)	Length (mm)	Inlet (mm)	Material
ISB35-6	6	20	35	15	B4C & SiC
ISB35-8	8	20	35	15	B4C & SiC
ISB35-10	10	20	35	15	B4C & SiC
ISB45-6	6	20	45	15	B4C & SiC
ISB45-8	8	20	45	15	B4C & SiC
ISB45-10	10	20	45	15	B4C & SiC
ISB60-6	6	20	60	15	B4C & SiC
ISB60-8	8	20	60	15	B4C & SiC
ISB60-10	10	20	60	15	B4C & SiC
ISB80-6	6	20	80	15	B4C & SiC
ISB80-8	8	20	80	15	B4C & SiC
ISB80-10	10	20	80	15	B4C & SiC



► Sandblast Couplings and Holders

Nylon Sandblast Hose Quick Couplings

Model No.	Hose OD (mm)	Remark
Q-IM-NY	33	with gasket
Q-1-NY	39	with gasket
Q-2-NY	49	with gasket
Q-3-NY	55	with gasket

Nylon Sandblast Nozzle Holders

Model No.	Hose OD (mm)	Thread Type
MHE-IM-NY	33	2" 4-1/2 U.N.C.
MHE-1-NY	39	2" 4-1/2 U.N.C.
MHE-2-NY	49	2" 4-1/2 U.N.C.
MHE-3-NY	55	2" 4-1/2 U.N.C.
HE-1-NY	39	1-1/4" N.P.T. no gasket
HE-2-NY	49	1-1/4" N.P.T. no gasket
HE-3-NY	55	1-1/4" N.P.T. no gasket

Nylon Sandblast Thread Claw Couplings

Model No.	Thread Type	Remark
SB-1-NY	2" 4-1/2 U.N.C.	with gasket
SB-2-NY	1-1/2" N.P.T.	with gasket
SB-3-NY	1-1/4" N.P.T.	with gasket



Metal (Aluminum) Sandblast Hose Quick Couplings

Model No.	Hose OD (mm)	Remark
Q-IM-Al	33	with gasket
Q-1-Al	39	with gasket
Q-2-Al	49	with gasket
Q-3-Al	55	with gasket



Metal (Aluminum) Sandblast Nozzle Holders

Model No.	Hose OD (mm)	Thread Type
NH-1-Al	39	1-1/4" N.P.T. / 2" 4-1/2 U.N.C.
NH-2-Al	48	1-1/4" N.P.T. / 2" 4-1/2 U.N.C.
NH-3-Al	56	1-1/4" N.P.T. / 2" 4-1/2 U.N.C.
NH-4-Al	60	1-1/4" N.P.T.



Metal (Aluminum) Sandblast Thread Claw Couplings

Model No.	Thread Type	Remark
SB-1-Al	1-1/4" N.P.T.	with gasket
SB-2-Al	1-1/2" N.P.T.	with gasket



Metal (Cast Iron) Sandblast Hose Quick Couplings

Model No.	Hose OD (mm)	Remark
Q-1-C	39	with gasket
Q-2-C	49	with gasket



Rubber Gasket

Model No.	ID (mm)	Type
NBR-Q	32	for Q and SB series
NBR-H	25	for MHE and NH series

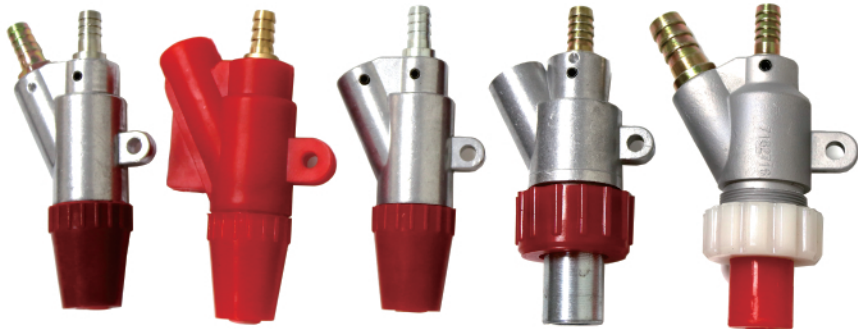


►❖ Blast Guns

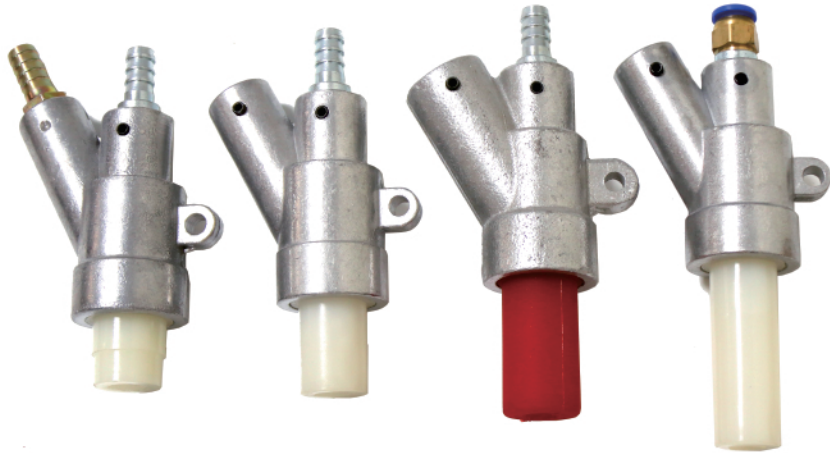
Blast Gun with Plastic / Aluminum Nozzle Holder For Boron Carbide Nozzle (Without Nozzle)

Model No.	Type	Length (mm)	Airjet OD (mm)	Matched Nozzle Liner
UBGA	A	116	18	ISB Series Nozzle
UBGB	B	102	18	ISB Series Nozzle
UBGC	C	70	15/16	ISB Series Nozzle

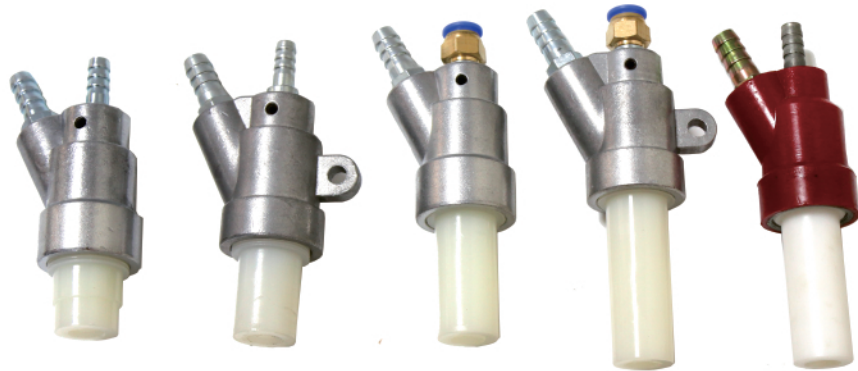
Type A



Type B



Type C



►❖ Other Sandblast Accessories

