

Boron carbide nozzles

Boron carbide is the third hardest material after diamond and cubic boron nitride. Nozzles made of boron carbide guarantee the longest service life because of the superior hardness, also when using the most abrasive of blasting materials such as corundum or silicon carbide.

Standard nozzles



Type	Diameter	Length
DN 3	3 mm	56 mm
DN 4	4 mm	56 mm
DN 5	5 mm	56 mm
DN 6	6 mm	86 mm
DN 7	7 mm	86 mm
DN 8	8 mm	86 mm
DN 9	9 mm	86 mm
DN 10	10 mm	86 mm
DN 11	11 mm	86 mm
DN 12	12 mm	86 mm
DN 13	13 mm	86 mm
DN 14	14 mm	86 mm
DN 15	15 mm	86 mm

Standard nozzles



Type	Diameter	Length
DN 8A	8 mm	100 mm
DN 10A	10 mm	100 mm
DN 12A	12 mm	100 mm
DN 14A	14 mm	100 mm

Lead-in nozzles



Type	Diameter	Length
DP 3	3 mm	40 mm
DP 4	4 mm	40 mm
DP 5	5 mm	40 mm
DP 6	6 mm	40 mm
DP 7	7 mm	40 mm
DP 8	8 mm	40 mm
DP 9	9 mm	40 mm
DP 10	10 mm	40 mm
DP 11	11 mm	40 mm
DP 12	12 mm	40 mm
DP 13	13 mm	40 mm
DP 14	14 mm	40 mm
DP 15	15 mm	40 mm

(Special sizes on request)



Fishtail nozzles

Type	Bore cross-section	Suitable lead-in nozzle
10/4	10 x 4 mm	6 mm
15/5	15 x 5 mm	10 mm
16/8	16 x 8 mm	12 mm



Angled blast nozzles 20 °

Type	Diameter
20/8	8 mm
20/10	10 mm
20/12	12 mm



Angled blast nozzles 40 ° G 3/4 "

Type	Diameter
40/6	6 mm
40/8	8 mm
40/10	10 mm



Corresponding connecting piece for nozzle holders type N or AS

Type	connecting thread	
2509		G 3/4 inches



Venturi nozzles G 1 1/4 " or 2 "

Type	Diameter	Length
DWR 6/140	6 mm	140 mm
DWR 8/140	8 mm	140 mm
DWR 8/165	8 mm	165 mm
DWR 10/165	10 mm	165 mm
DWR 12/165	12 mm	165 mm
DWR 12/200	12 mm	200 mm



Venturi nozzles for direct connection

Type	Diameter	Length	Hose-inner Ø
DWP 6/25	6 mm	100 mm	25 mm
DWP 8/25	8 mm	100 mm	25 mm
DWP 10/25	10 mm	100 mm	25 mm
DWP 6/32	6 mm	110 mm	32 mm
DWP 8/32	8 mm	110 mm	32 mm
DWP 10/32	10 mm	110 mm	32 mm
DWP 12/32	12 mm	110 mm	32 mm



Venturi nozzles with flange for nozzle holder type AS or N

Type	Diameter	Length
DWK 6/140	6 mm	140 mm
DWK 8/140	8 mm	140 mm
DWK 8/165	8 mm	165 mm
DWK 10/165	10 mm	165 mm
DWK 12/165	12 mm	165 mm



Blast head 360 °with replaceable deflecting piece

Type		
2614	connecting thread G 1¼	Outer Ø 50 mm



Deflecting piece

Type
2614 / E



Blast head with 4 outlets

8 mm each, for use with connecting piece 1767 and nozzle holder AS or N

Type		
2546/1	connecting thread G 1	Outer Ø 54 mm



Nozzles with two lateral outlets

Type		
1765/8	connecting thread G ¾	Length 60 mm
1765/10	connecting thread G ¾	Length 60 mm



Corresponding connecting pieces for the nozzle holders type AS or N

Type		
1766	connecting thread G ¾	Length 40 mm
1767	connecting thread G 1	Length 40 mm



Injector nozzle

Type	Connection Ø 18.2 mm	Length 66 mm
3162/ 6	Nominal Ø 6mm	
3162/ 7	Nominal Ø 7mm	
3162/ 8	Nominal Ø 8mm	



Nozzle holder type N

N 25 Hose inner Ø 25 mm
N 32 Hose inner Ø 32 mm
N 38 Hose inner Ø 38 mm



Aluminium nozzle holder type AS

AS 13 Hose-inner Ø 13 mm / outside Ø ~25 mm
AS 16 Hose-inner Ø 16 mm / outside Ø ~30 mm
AS 19 Hose-inner Ø 19 mm / outside Ø ~33 mm
AS 25 Hose-inner Ø 25 mm / outside Ø ~39 mm
AS 32 Hose-inner Ø 32 mm / outside Ø ~47 mm



Aluminium nozzle holder GA

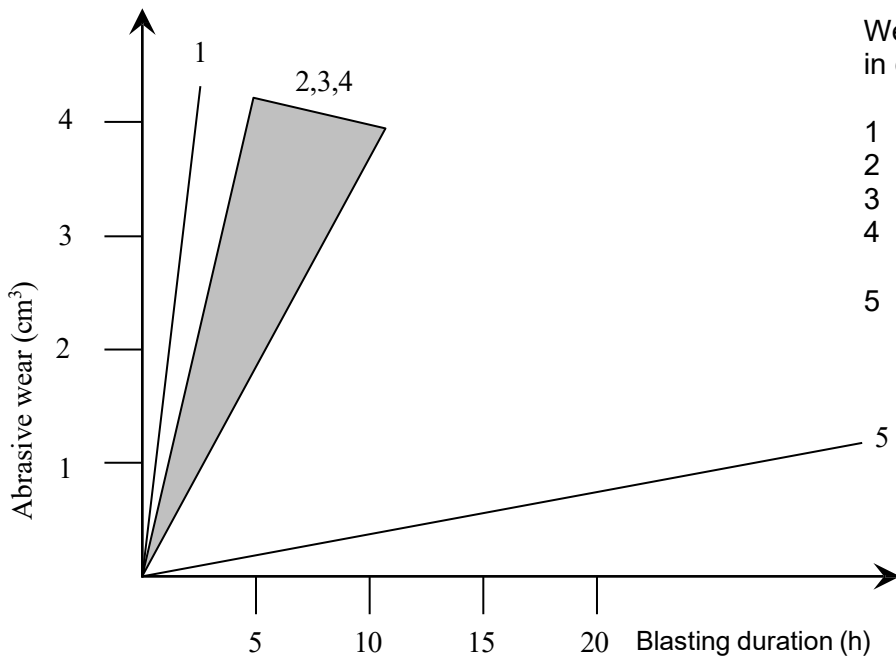
For nozzles with thread G 1 ¼ or 2 inches

GA 25 Hose inner Ø 25 mm / outside Ø ~39 mm
GA 32 Hose inner Ø 32 mm / outside Ø ~47 mm

(Special sizes on request)

Average service lives of boron carbide nozzles with 4 - 6 bar air pressure and blasting grain size of 1 - 2 mm:

Wire pellets:	1'500	-	2'000 hours
Quartz sand:	1'000	-	1'500 hours
Corundum:	300	-	500 hours
Silicon carbide:	100	-	150 hours
Density:	2,48	-	2,51 g/cm ³



Wear characteristics of a nozzle in comparison:

- 1 Corundum (Al₂O₃)
- 2 Hard metal (WC)
- 3 Silicon carbide (SiC)
- 4 Silicon - silicon carbide (SiSiC)
- 5 Boron carbide (B₄C)

Blasting agent throughput: 300 kg/h
Blasting pressure: 6 bar
Blasting agent: Corundum