



AIRBLAST

AAM

Tungsten Carbide Angle Nozzle with Aluminium Jacket



AAM

The AAM range comprises of Tungsten Carbide lined angle nozzles with Aluminium Jackets. These compact nozzles blast at a 45 degree angle making them suitable for use in inaccessible or blind areas such as the reverse side of beams, flanges, bridge lattice work and inside of pipes. Tungsten Carbide is the liner material of choice for the majority of contractors due to long life and impact resistance - the Aluminium Jacket (adds to the rugged character of the nozzle).

The AAM nozzles are available with either one, two or three abrasive discharge orifices and an orifice range of 3,2 mm to 9,5 mm. The AAM nozzles come with either a fine (AAM) or large (AAM /50) thread.

Airblast high velocity venturi style nozzles have been designed to maximize blast cleaning rates and provide uniform abrasive distribution. The venturi design accelerates the air / abrasive mix as it exits the nozzle providing additional momentum – this can increase productivity and reduce abrasive consumption by up to 40% when compared with straight bore nozzles.

Airblast offers a full selection of nozzles with various orifice sizes, nozzle lengths, insert and liner materials. Contact Airblast to discuss which nozzle is most suitable for your specific application.

AAM - Tungsten Carbide Angle Nozzles with Aluminium Jacket

Part no.	Description	Orifice	Length	Inlet
2055000	AAM-2x1 TC Nozzle with fine 41 mm thread	1 x 3,2 mm	80 mm	20 mm
2056000	AAM-2x2 TC Nozzle with fine 41 mm thread	2 x 3,2 mm	80 mm	20 mm
2057000	AAM-2x3 TC Nozzle with fine 41 mm thread	3 x 3,2 mm	80 mm	20 mm
2058000	AAM-3x1 TC Nozzle with fine 41 mm thread	1 x 4,8 mm	80 mm	20 mm
2059000	AAM-3x2 TC Nozzle with fine 41 mm thread	2 x 4,8 mm	80 mm	20 mm
2060000	AAM-3x3 TC Nozzle with fine 41 mm thread	3 x 4,8 mm	80 mm	20 mm
2061000	AAM-4x1 TC Nozzle with fine 41 mm thread	1 x 6,5 mm	80 mm	20 mm
2062000	AAM-4x2 TC Nozzle with fine 41 mm thread	2 x 6,5 mm	80 mm	20 mm
2063000	AAM-4x3 TC Nozzle with fine 41 mm thread	3 x 6,5 mm	80 mm	20 mm
2064000	AAM-5x1 TC Nozzle with fine 41 mm thread	1 x 8,0 mm	80 mm	20 mm
2065000	AAM-5x2 TC Nozzle with fine 41 mm thread	2 x 8,0 mm	80 mm	20 mm
2066000	AAM-5x3 TC Nozzle with fine 41 mm thread	3 x 8,0 mm	80 mm	20 mm
2067000	AAM-6x1 TC Nozzle with fine 41 mm thread	1 x 9,5 mm	80 mm	20 mm
2068000	AAM-6x2 TC Nozzle with fine 41 mm thread	2 x 9,5 mm	80 mm	20 mm
2069000	AAM-6x3 TC Nozzle with fine 41 mm thread	3 x 9,5 mm	80 mm	20 mm
2070000	AAM-2x1 TC Nozzle with large 50 mm thread	1 x 3,2 mm	80 mm	20 mm
2071000	AAM-2x2 TC Nozzle with large 50 mm thread	2 x 3,2 mm	80 mm	20 mm
2072000	AAM-2x3 TC Nozzle with large 50 mm thread	3 x 3,2 mm	80 mm	20 mm
2073000	AAM-3x1 TC Nozzle with large 50 mm thread	1 x 4,8 mm	80 mm	20 mm
2074000	AAM-3x2 TC Nozzle with large 50 mm thread	2 x 4,8 mm	80 mm	20 mm
2075000	AAM-3x3 TC Nozzle with large 50 mm thread	3 x 4,8 mm	80 mm	20 mm
2076000	AAM-4x1 TC Nozzle with large 50 mm thread	1 x 6,5 mm	80 mm	20 mm
2077000	AAM-4x2 TC Nozzle with large 50 mm thread	2 x 6,5 mm	80 mm	20 mm
2078000	AAM-4x3 TC Nozzle with large 50 mm thread	3 x 6,5 mm	80 mm	20 mm
2079000	AAM-5x1 TC Nozzle with large 50 mm thread	1 x 8,0 mm	80 mm	20 mm
2080000	AAM-5x2 TC Nozzle with large 50 mm thread	2 x 8,0 mm	80 mm	20 mm
2081000	AAM-5x3 TC Nozzle with large 50 mm thread	3 x 8,0 mm	80 mm	20 mm
2082000	AAM-6x1 TC Nozzle with large 50 mm thread	1 x 9,5 mm	80 mm	20 mm
2083000	AAM-6x2 TC Nozzle with large 50 mm thread	2 x 9,5 mm	80 mm	20 mm
2084000	AAM-6x3 TC Nozzle with large 50 mm thread	3 x 9,5 mm	80 mm	20 mm

ORIFICE (mm) (")	NOZZLE PRESSURE / NOZZLE DIAMETER GUIDE												REQUIRED AIR	CFM	m ³ /min
	60 PSI	4.2 BAR	70 PSI	4.9 BAR	80 PSI	5.6 BAR	90 PSI	6.3 BAR	100 PSI	7.0 BAR	120 PSI	8.5 BAR			
5.0 mm 3/16"	30.0	0.85	33.0	0.93	38.0	1.08	41.0	1.16	45.0	1.27	58.0	1.64	REQUIRED AIR	CFM	m ³ /min
	171.0	77.00	196.0	89.00	216.0	96.00	238.0	108.00	264.0	120.00	375.0	170.00	REQUIRED ABRASIVE	Lbs./hr.	KG/hr.*
	7	5.3	8	5.6	9	6.4	10	7.1	10	7.5	12	9.0	REQUIRED POWER	hp	kw
6,5 mm 4/16"	54.0	1.53	61.0	1.73	68.0	1.93	74.0	2.10	81.0	2.29	105.0	2.97	REQUIRED AIR	CFM	m ³ /min
	312.0	141.00	354.0	160.00	408.0	185.00	448.0	203.00	494.0	224.00	660.0	300.00	REQUIRED ABRASIVE	Lbs./hr.	KG/hr.*
	12	9.0	14	10.1	16	11.6	17	12.4	18	13.5	22	16.2	REQUIRED POWER	hp	kw
8.0 mm 5/16"	89.0	2.52	101.0	2.86	113.0	3.20	126.0	3.57	137.0	3.88	160.0	4.53	REQUIRED AIR	CFM	m ³ /min
	534.0	242.00	604.0	274.00	672.0	305.00	740.0	335.00	850.0	385.00	1.050.0	476.00	REQUIRED ABRASIVE	Lbs./hr.	KG/hr.*
	20	15.0	23	19.1	26	20.2	28	21.0	31	22.9	37	27.5	REQUIRED POWER	hp	kw
9.5 mm 6/16"	126.0	3.57	143.0	4.05	161.0	4.56	173.0	4.90	196.0	5.55	235.0	6.65	REQUIRED AIR	CFM	m ³ /min
	764.0	346.00	864.0	392.00	960.0	425.00	1.052.0	477.00	1.152.0	523.00	1.475.0	669.00	REQUIRED ABRASIVE	Lbs./hr.	KG/hr.*
	28	21.0	32	24.0	36	27.0	39	28.9	44	33.0	52	39.6	REQUIRED POWER	hp	kw
11.0 mm 7/16"	170.0	4.81	184.0	5.21	217.0	6.14	240.0	6.80	254.0	7.19	315.0	8.92	REQUIRED AIR	CFM	m ³ /min
	1.032.0	468.00	1.176.0	533.00	1.312.0	595.00	1.448.0	657.00	1.584.0	719.00	2.050.0	930.00	REQUIRED ABRASIVE	Lbs./hr.	KG/hr.*
	38	28.5	44	32.6	49	36.4	54	40.1	57	42.4	69	50.9	REQUIRED POWER	hp	kw
12.5 mm 8/16"	224.0	6.34	252.0	7.14	280.0	7.93	309.0	8.75	338.0	9.57	410.0	11.61	REQUIRED AIR	CFM	m ³ /min
	1.336.0	606.00	1.512.0	686.00	1.680.0	762.00	1.856.0	842.00	2.024.0	918.00	2.650.0	1.202.00	REQUIRED ABRASIVE	Lbs./hr.	KG/hr.*
	50	37.5	56	42.0	63	46.9	69	51.8	75	56.3	90	67.6	REQUIRED POWER	hp	kw

Chart shows calculated consumption rates of air and abrasive for new nozzles. When selecting a compressor add 50% to above figures to allow for normal nozzle wear and friction loss.

* Based on abrasive density of 1,5 kgs. per liter.

NOTE: Figures may vary depending upon working conditions. To maintain desired air pressure as nozzle orifice wears, air consumption increases. The effects of nozzle wear on air consumption must be considered when selecting nozzles and the compressors that support them.