

# NNH/CHE

Nozzle Holders (Nylon and Aluminium)



**AIRBLAST**



## **Nozzle Holders**

The Airblast nozzle holders are available in nylon and aluminium.

All nozzle holders are manufactured to fit externally over the blast hose. Internal grip rings bite into the blast hose for a safe and secure fit and retaining screws provide additional holding power without penetrating the inner hose layer.

Airblast offers a full selection of nozzle holders with fine or large thread. Contact Airblast to discuss which holder is most suitable for your specific application.

## NNH/CHE - Nylon and Aluminium Nozzle Holders

Part no.	Description
<b>NYLON WITH FINE 41MM THREAD</b>	
2123100	NNH-0 Fits to 27 mm O.D. - 13 mm I.D. hose (1/2") - 3/4" thread
2123600	NNH-3/4 Fits to 33 mm O.D. - 19 mm I.D. hose (3/4")
2124100	NNH-1 Fits to 39 mm O.D. - 25 mm I.D. hose (1")
2125100	NNH-2 Fits to 48 mm O.D. - 32 mm I.D. hose (1 1/4")
2126100	NNH-3 Fits to 56 mm O.D. - 38 mm I.D. hose (1 1/2")
<b>NYLON WITH LARGE 50MM THREAD</b>	
2123000	NNH-0/50 Fits to 27 mm O.D. - 13 mm I.D. hose (1/2") - 3/4" thread
2123500	NNH-3/4/50 Fits to 33 mm O.D. - 19 mm I.D. hose (3/4")
2124000	NNH-1/50 Fits to 39 mm O.D. - 25 mm I.D. hose (1")
2125000	NNH-2/50 Fits to 48 mm O.D. - 32 mm I.D. hose (1 1/4")
2126000	NNH-3/50 Fits to 56 mm O.D. - 38 mm I.D. hose (1 1/2")
<b>ALUMINIUM WITH FINE 41MM THREAD</b>	
2133100	CHE-0 Fits to 27 mm O.D. - 13 mm I.D. hose (1/2") - 3/4" thread incl. adaptor
2133200	CHE-3/4 Fits to 33 mm O.D. - 19 mm I.D. hose (3/4")
2134000	CHE-1 Fits to 39 mm O.D. - 25 mm I.D. hose (1")
2135000	CHE-2 Fits to 48 mm O.D. - 32 mm I.D. hose (1 1/4")
<b>ALUMINIUM WITH LARGE 50MM THREAD</b>	
2137000	CHE-1/50 Fits to 39 mm O.D. - 25 mm I.D. hose (1")
2138000	CHE-2/50 Fits to 48 mm O.D. - 32 mm I.D. hose (1 1/4")

ORIFICE (mm) (")	NOZZLE PRESSURE / NOZZLE DIAMETER GUIDE												REQUIRED AIR	REQUIRED ABRASIVE	CFM Lbs./hr. hp	m <sup>3</sup> /min KG/hr.* kw
	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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /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.