

Alumina and Lava Nozzles

Alumina Nozzles, made from high strength alumina materials, have very good electrical insulating properties; exceptionally high impact resistance, heat resistance and thermal conductivity; and resist splatter build-up. They are recommended for most welding operations except for use in confined areas.

Lava Nozzles, made from Grade "A" lava materials, are less shock- and heat-resistant than alumina nozzles but will give good service for general applications. They also perform well in confined areas where excessive heat is reflected back into the nozzle. Care must be taken in handling the more fragile Lava nozzles.

ALUMINA NOZZLES

TORCH	LENGTH	PART NO.	SIZE	ORIFICE
WP-17, 17V, 18, 18V, 18P, 26, 26V	1-27/32"	10N50	4	1/4" 6
		10N49	5	5/16" 8
		10N48	6	3/8" 10
		10N47	7	7/16" 11
		10N46	8	1/2" 12.5
		10N45	10	5/8" 16
		10N44	12	3/4" 19
WP-9, 9P, 9V, 20, 20P, 25	1-5/32"	13N08	4	1/4" 6
		13N09	5	5/16" 8
		13N10	6	3/8" 10
		13N11	7	7/16" 11
		13N12	8	1/2" 12.5
WP-12	1-1/4"	14N57	4	1/4" 6
		14N58	5	5/16" 8
		14N59	6	3/8" 10
		14N60	7	7/16" 11
		14N61	8	1/2" 12.5
		14N61-10 14N61-12	10 12	5/8" 16 3/4" 19
WP-24, 24W	5/8"	A53N24	4	1/4" 6
		A53N25	5	5/16" 8
		A53N27	6	3/8" 10

LAVA NOZZLES

TORCH	LENGTH	PART NO.	SIZE	ORIFICE
WP-17, 17V, 18, 18V, 18P, 26, 26V	1-27/32"	105Z43	4	1/4" 6
		105Z42	5	5/16" 8
		105Z44	6	3/8" 10
		105Z45	7	7/16" 11
		08N78	8	1/2" 12.5
		08N79	10	5/8" 16
		08N80	12	3/4" 19
WP-9, 9P, 9V, 20, 20P, 25	1-5/32"	13N14	4	1/4" 6
		13N15	5	5/16" 8
		13N16	6	3/8" 10
		13N17	7	7/16" 11
		13N18	8	1/2" 12.5
		13N19	10	5/8" 16
WP-24, 24W	5/8"	53N23	.165	.165 4
		53N24	4	1/4" 6
		53N25	5	5/16" 8
	1-1/8"	53N27	6	3/8" 10
		53N28	4L	1/4" 6
		53N26	6L	3/8" 10
WP-50, 50V	3/8"	50N03	3	3/16" 4
		50N04	4	1/4" 6

LONG ALUMINA NOZZLES

WP-17, 17V, 18, 18P, 18V, 26, 26V	3"	10N49L	5L	5/16" 8
		10N48L	6L	3/8" 10
		10N47L	7L	7/16" 11
GAS LENS	3"	54N17L	5L	5/16" 8
		54N16L	6L	3/8" 10
		54N15L	7L	7/16" 11
WP-12	2-5/8"	14N68	4L	1/4" 6
		14N69	5L	5/16" 8
		14N70	6L	3/8" 10
		14N71	7L	7/16" 11
		14N72	8L	1/2" 12.5

LONG LAVA NOZZLES

WP-17, 17V, 18, 18V, 18P, 26, 26V	3-7/32"	12N03	4L	1/4" 6
		105Z80	5L	5/16" 8
		12N02	6L	3/8" 10
		105Z81	7L	7/16" 11
WP-9, 9P, 9V, 20, 20P, 25	1-7/8"	796F70	3L	3/16" 4
		796F71	4L	1/4" 6
		796F72	5L	5/16" 8
		796F73	6L	3/8" 10
WP-9, 9P, 9V, 20, 20P, 25	2-1/2"	796F74	3XL	3/16" 4
		796F75	4XL	1/4" 6
		796F76	5XL	5/16" 8
		796F77	6XL	3/8" 10

ALUMINA GAS LENS NOZZLES (ALSO ORDER INSULATOR)

WP-17, 17V, 18, 18V, 18P, 26, 26V	1-5/8"	54N18	4	1/4" 6
		54N17	5	5/16" 8
		54N16	6	3/8" 10
		54N15	7	7/16" 11
		54N14	8	1/2" 12.5
1-1/8"	54N19	Short	11/16" 17	
	WP-9, 9P, 9V, 20, 20P, 24, 25	1"	53N58	4
53N59			5	5/16" 8
53N60			6	3/8" 10
53N61			7	7/16" 11
WP-17, 17V, 18, 18P, 18V, 26, 26V, 12 LARGE DIA. GAS LENS	1-7/8"	57N75	6	3/8" 10
		57N74	8	1/2" 12.5
		53N88	10	5/8" 16
		53N87	12	3/4" 19
		53N89	Short	15/16" 24

METAL NOZZLES*

WP-12	1-25/32"	86Z01	6	3/8" 10
		86Z02	8	1/2" 12.5
		86Z03	10	5/8" 16
		86Z06	12	3/4" 19

*Requires insulating sleeve 85Z99 and metal nozzle gasket 12MNG.

Notes: Lava, alumina & metal nozzles are packed 10 nozzles per box. The nozzle number indicates the orifice (I.D. of the outlet end) in 1/16ths of an inch. No. 4 = 1/4" I.D., etc.