

Aluminum Addition Plug

AAP

Aluminum Addition Plugs (AAP) provide a safe and effective way of lifting electrodes from the horizontal to the vertical position and assist with additions.

★★ American Made ★★

PRODUCT DESCRIPTION



- Aluminum Addition Plugs are designed with an alloy heat-treated stem with the same thread pitch as the electrode, insuring the plug stays engaged in the electrode during the addition.
- Aluminum Addition Plugs are not intended to stay in the electrode during furnace operations.
- Available in plug sizes from 177.17mm (6.975") to 431.8mm (17").
- Custom sizes available on request.
- The Aluminum Addition Plug stem is machined from an alloy steel, heat-treated for longevity.
- Aluminum Addition Plugs are machined from a solid 6061-T6 billet for maximum strength.
- Aluminum Addition Plugs are designed with a minimum safety factor of 4x Working Load Limit.
- Finish: Standard Machine Finish. Anodized color available on request.
- All designs, development, production, load test and certification are performed by CMW engineers and technicians at the CMW facility in Columbia, Tennessee, according to standards: B30.26-2010, B30.10.2014, B30.20-2013, ASME BTH-I-2013, CEI IEC 60239 and DIN EN 13155.
- Each Aluminum Addition Plug is tagged with the CMW name, address, product part number, manufacture working load limit, date of manufacture, weight of product and product serial number for traceability and load test certification.
- CMW offers inspection, service, repair or replacement parts to any brand of aluminum addition plug.

Part Number*	(AAP) Pin Size		(AAP) Weight		(AAP) Capacity	
	mm	in	kg	lbs	kg	lbs
AAP – 6.975	177.17	6.975	9	20	1,089	2,400
AAP – 8.5	203.2	8.5	10	23	1,860	4,100
AAP – 8.75	222.25	8.75	11	24	1,860	4,100
AAP – 9.5	241.3	9.5	11	25	2,359	5,200
AAP – 10.625	269.88	10.625	12	27	3,583	7,900
AAP – 11.75	298.45	11.75	15	33	5,897	13,000
AAP – 12.5	317.5	12.5	15	34	5,897	13,000
AAP – 14.75	374.65	14.75	17	38	8,165	18,000
AAP – 16	406.4	16	18	40	9,525	21,000
AAP – 17	431.8	17	19	42	9,979	22,000

*Part Number: (AAP) – (Graphite Pin Size)

AAP weights are approximate.



Safe lifting is a priority at Columbia Machine Works. Prior to using an Aluminum Addition Plug, a visual inspection should be performed checking for damaged or missing hardware, damage to the aluminum plug threads and alloy stem. Any of these factors could lead to failure of the AAP causing an electrode or column to drop resulting in damage to equipment or personnel. Only qualified CMW technicians should make repairs to the AAP.

FOR SALES CONTACT: COLUMBIA MACHINEWORKS OR EXO TECHNOLOGIES

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