

Powder Equipment Steel Industry Products



- Rapidly cut any thickness stainless steel, cast iron, and high alloy steels
- As simple to use as regular cutting torches
- Manual or mechanized versions available



AC-4 torch

AC-4 Powder Cutting Hand Torches

- Capacity 10 in. (254 mm) thick stainless steel
- Acetylene or alternate fuels
- Single lever control
- Self contained

Powder Attachments for Standard OXWELD Torches

- Single- and Dual-Tube for straight-line cutting
- Multi-Jet for shape cutting applications
- See next page for details

Specifications & Ordering Information

Model	Part Number	Length		Head degree	Ship Weight		Inlet Connections, "B" Size	
		in.	mm		lbs.	kg	in.	mm
AC-4-28-75	02X60	28	711	75	22	10	3/8	9.5
AC-4-44-75	28X65	44	1118	75	30	14	3/8	9.5
AC-4-28-180	220234	28	711	180	22	10	3/8	9.5
AC-4-44-180	2117245	44	1118	180	30	14	3/8	9.5



AC-4 tip

AC-4 Powder Cutting Tips

- Powder flows between sleeve and tip
- Made from pure copper - rapid heat transfer
- Chrome plated powder flow surfaces for protection from wear

Specifications & Ordering Information

Gas Service	Description	Steel Thickness, max.		Size	Part Number	External Sleeve
		in.	mm			
Acetylene	1418-8	3	76	8	65Z02	71Z78
	1418-14	9	229	14	65Z05	71Z78
Alternate Fuels	1430-10	5	127	10	66Z33	71Z78
	1430-16	8	203	16	66Z34	71Z78
	1430-20	10	254	20	66Z35	71Z78

AC-4 Cutting Tip Data (For Clean 18-8 Stainless Steel) - 1418 & 1430 Series

Model Number	Part Number	Cutting Thickness, max.		Tip Size	Total Oxygen		Powder Flow		Acetylene		Natural Gas	
					Pressure	Flow			Pressure	Flow	Pressure	Flow
		psig	cfh		psig	cfh	psig	cfh				
1418-8	65Z02	3	76	8	50	370	19	9	2-8	19	-	-
1418-14	65Z05	9	229	14	80	1,300	30	14	2-8	57	-	-
1430-10	66Z33	5	127	10	80	780	20	9	-	-	5	40
1430-16	66Z34	8	203	16	100	2,120	30	14	-	-	15	85
1430-20	66Z35	10	254	20	100	2,960	32	14.5	-	-	20	105

Powder Equipment

Steel Industry Products



Powder Dispensers

- Heavy welded steel construction
- Hinged lid with heavy-duty closures
- Inlet gas filter and moisture trap
- Pop-off safety valve
- Screen filter sifts out lumps of powder
- Manual and automatic models

Manual Powder Dispensers

- Manual 100 and 400 lbs. (45 and 181.5 kg) dispensers designed for general powder cutting or lancing operations



Powder dispenser - 100 lbs. (45 kg)

Automatic Powder Dispenser

- Automatic 400 lbs. (181.5 kg) powder dispenser designed for automatic or semi-automatic machine cutting
- Equipped with electric powder valve and nitrogen gas purging
- Controlled by interfacing the cutting machines logic with the dispenser powder and gas controls

Options & Accessories

High Precision Cutting Ejector

For fine control and maximum economy when cutting materials less than 2 in. (51 mm) thick 65Z49

Powder Supply Hose

Fitted clear vinyl hose, 50 ft. (15 m) long..... 2119297

Inlet Nitrogen Hose

Fitted black rubber hose, 110 ft. (33.5 m) long.. 2211347

Cover Gaskets

100 lbs. (45 kg) dispenser 5279191

400 lbs. (181.5 kg) dispenser 2225204

Specifications & Ordering Information

Powder Capacity		Part Number	Type	Powder Flow		Nitrogen Inlet	Nitrogen Flow	Operating Pressure	Relief Pressure
lbs.	kg			lbs/hr	kg/hr	psig	cfh	psig	psig
100	45	2217290	Manual	15-100	7-45	40	50-200	5-40	45
400	181.5	2223093	Manual	15-100	7-45	40	50-200	5-40	45
400	181.5	2220388	Automatic	15-100	7-45	40	50-200	5-40	45

Powder Attachment Ordering Information

Torch Type	Type Attachment	Part Number	Accessory Powder Valve
C-37, C-39, C-67 (mechanized) and other 1500 Series models	Single-Tube	60Y98	not required
PM-200 (mechanized)	Dual-Tube	2227380	
C-100 (mechanized)		2028213	16X36
C-31, C-32, C-66 (manual with 75° head)	Multi-Jet [†]	61Y59 (1500-ACA-2) 61Y60 (1500-ACA-1)	not required
C-31, C-32, C-66 (manual with 90° head)	Multi-Jet [†]	61Y61 (1500-ACA-2) 61Y58 (1500-ACA-1)	
C-37, C-39, C-67 (mechanized)	Multi-Jet [†]	61Y56 (1500-ACA-2)	
		61Y57 (1500-ACA-1)	

[†]Select the correct model based on the type tip being used. The 1500-ACA-2 attachment is limited to one-piece tips having a tapered front end as follows: 1514 Series through size 4, 1563 Series through size 6, 1564 Series, 1565 Series through size 3. The 1500-ACA-1 attachment accepts all other 1500 Series Cutting Tips.

ESAB Welding and Cutting Products

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