

HW-18 Torch Family - 425 Amp Water-Cooled Torches



- The industry standard water-cooled general purpose torch
- Ideal for production welding
- Lightweight - reduces operator fatigue
- Watertight - brazed, closed cooling system
- Gas lens available for improved shielding
- Hard body w/HFCTM (HW-18) provides superior heat and abrasion resistance for the longest life
- Economical silicon rubber body (HW-18R) provides resistance to breakage



Specifications

HW-18	
Gun Capacity	300 A, 100% duty cycle, ac or dc with std. accessories
	375 A, 100% duty cycle, ac or dc with gas lens accessories
	425 A, 50% duty cycle, ac or dc
Dimensions	
Length	10 1/2 in. (267 mm)
Length of Head	
Short Cap	3 3/16 in. (81 mm)
Medium Cap	5 7/16 in. (138 mm)
Long Cap	7 7/16 in. (189 mm)
Diameter of Head	29/32 in. (23 mm)
Head Angle	60°
Handle Diameter	1 1/16 in. (27 mm)
Weight (less service lines)	7 oz. (200 gm)
Cooling Requirements	1 qt. min. (0.94 l/min)

Ordering Information

Torch Assemblies	HW-18 Hard Body	HW-18 Silicon Rubber
60° Head		
Cable / hose assembly, 12 1/2 ft.	948361	948361R
Cable / hose assembly, 25 ft.	948362	948362R

Cups, Collects and Collect Bodies

Electrode Size	.020	.040	1/16	3/32	1/8	—	—	—
Standard Collet	10N21	10N22	10N23	10N24	10N25	—	—	—
Standard Collet Body	10N29	10N30	10N31	10N32	10N28	—	—	—
Gas Lens Collet Body	45V29	45V24	45V25	45V26	45V27	—	—	—
Lg. Diameter Lens Collet Body	—	—	—	45V64	995795	—	—	—
Cup Number	4=1/4	5=5/16	6=3/8	7=7/16	8=1/2	10=5/8	12=3/4	Short
Ceramic Cup	105Z43	105Z42	105Z44	105Z45	08N78	08N79	08N80	—
High-Impact Cup	10N50	10N49	10N48	10N47	10N46	10N45	10N44	—
Gas Lens High-Impact Cup	54N18	54N17	54N16	54N15	54N14	—	—	54N19
Lg. Dia. Gas Lens, High-Impact Cup	—	—	—	—	—	53N88	53N87	53N89
Gas Lens Ceramic Cup	54N35	54N34	54N33	54N32	54N31	—	—	—

For selection of special ceramic or sleeved cups, see Accessories following Torches.

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Torch Parts and Accessories

Item	Part Number	Description
1	948350	Body, HW-18
	948350R	Body, HW-18R
2	10N15	Handle, HW-18
	10N15A	Handle, HW-18R
3	57Y02	Long Torch Cap with O-Ring (98W18)
4	34015	Medium Torch Cap with O-Ring (98W18)
5	57Y04	Short Torch Cap with O-Ring (98W18)
6	-	Collet
7	-	Collet Body
8	-	Gas Cups
9	54N01	Insulator, required for Gas Lens
	54N63	Insulator, required for Gas Lens, Lg. Diameter
10	-	Gas Lens Collet Body
11	-	Gas Lens Cup
12	45V11	Power Cable Adaptor
	40V64	Power Cable, 12 ½ ft.
13	41V29	Power Cable, 25 ft.
	40V75	Gas Hose, 12 ½ ft.
14	41V30	Gas Hose, 25 ft.
	40V74	Water Hose, 12 ½ ft.
15	41V32	Water Hose, 25 ft.
	98W43	Hose Clamp
16	11N16	Water Adaptor (5/8 LH to 1/4 NPT) (not shown)

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