



GENUINE HELIARC® GAS-COOLED TORCHES

HW-17 Torch Family - 150 amp

- Quick release of electrodes
- Hard body provides superior heat and abrasion resistance for longest life
- Silicon rubber body provides improved resistance to breakage in rough duty
- Flexible head models provide added versatility for reaching hard-to-get-at applications



Specifications

Capacity

130 Amps, 100% duty cycle, ac or dc
150 Amps, 50% duty cycle, ac or dc with std. accessories

Size

OVERALL LENGTH	8-1/8 in. (206 mm)
HANDLE DIAMETER	3/4 in. (19 mm)
LENGTH OF HEAD	(short cap) 3-13/16 in. (97 mm) (medium cap) 5-1/4 in. (133 mm) (long cap) 7-7/16 in. (189 mm)
DIAMETER OF HEAD	51/64 in. (20 mm)
WEIGHT (less cable)	4.8 oz. (137 gm)
HEAD ANGLE: HW-17, HW-17R	60 or 90 degree
HW-17F	variable

Torch Assemblies

DESCRIPTION	HW-17 HARD BODY	HW-17R SILICON RUBBER	HW-17F FLEX HEAD
60 DEG. HEAD, 12-1/2 ft.			
1-pc. cable & hose ay.	16X48	16X48R	19881
2-pc. cable & hose ay.	33855	—	—
2-pc. cable & hose ay. twist lock	35782	—	—
60 DEG. HEAD, 25 ft.			
1-pc. cable & hose ay.	16X50	16X50R	19883
2-pc. cable & hose ay.	33856	—	—
60 DEG. HEAD w/SLIDE VALVE			
12-1/2 ft., 1-pc. cable & hose ay.	634705	—	—
25 ft., 1-pc. cable & hose ay.	634706	—	—
60 DEG. HEAD w/ROTARY VALVE, 12-1/2 ft.			
1-pc. cable & hose ay.	16X48LV	634705R	19882
2-pc. cable & hose ay.	33813	33813R	33815
2-pc. cable & hose ay. twist lock	35857	—	—
60 DEG. HEAD w/ROTARY VALVE, 25 ft.			
1-pc. cable & hose ay.	16X50LV	634706R	19884
2-pc. cable & hose ay.	33814	33814R	33816
2-pc. cable & hose ay. twist lock	35856	—	—
90 DEG. HEAD, 25 ft.			
1-pc. cable & hose ay.	634720	—	—
90 DEG. HEAD w/SLIDE VALVE, 25 ft.	601152	—	—
90 DEG. HEAD w/ROTARY VALVE, 25 ft.	—	601152R	—

Cups, Collets, & Collet Bodies

ELECTRODE SIZE, in.	.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. DIA. GAS 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
HIGH-IMPACT CUP	10N50	10N49	10N48	10N47	10N46	10N45	10N44	—
CERAMIC CUP	105Z43	105Z42	105Z44	105Z45	08N78	08N79	08N80	—
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.

Torch Parts & Accessories

ITEM	PART NO.	DESCRIPTION	HW-17 TORCH
1	57Y06	BODY, HW-17	
	57Y06LV	BODY, HW-17V w/valve 19621	
	57Y06R	BODY, HW-17R	
	19576R	BODY, HW-17RV w/valve 19621	
	19885	BODY, HW-17F	
	19886	BODY, HW-17FV w/valve 19621	
	601477	BODY, HW-17N (90 DEG.)	
2	105Z55	HANDLE, HW-17, HW-17V, HW-17R, HW-17F	
	105Z55R	HANDLE, RIBBED (optional)	
3	57Y02	LONG TORCH CAP w/O-RING (98W18)	
4	34015	MEDIUM TORCH CAP w/O-RING (98W18)	
5	57Y04	SHORT TORCH CAP w/O-RING (98W18)	
6	17732	ARGON SHUT OFF SLIDE VALVE AY.	
7	—	COLLET (see table above)	
8	—	COLLET BODY (see table above)	
9	—	GAS CUP (see table above)	
10	54N01	INSULATOR, Req'd for GAS LENS	
	54N63	INSULATOR, Req'd for GAS LENS, LG. DIA.	
11	—	GAS LENS COLLET BODY (see table above)	
12	—	GAS LENS CUP (see table above)	
13	105Z57	POWER CABLE ADAPTOR	
14	997022*	1-pc. POWER CABLE, 12 1/2 ft.	
	997023*	1-pc. POWER CABLE, 25 ft.	
15	33946	2-pc. POWER CABLE & HOSE AY., 12 1/2 ft.	
	33947	2-pc. POWER CABLE & HOSE AY., 25 1/2 ft.	
16	35873	2-pc. POWER CABLE & HOSE AY., T.L. 12 1/2 ft.	
	0558002476	2-pc. POWER CABLE & HOSE AY., T.L. 25 ft.	
	34651	2-pc. POWER CABLE REPAIR KIT (not shown)	

*Optional PVC Power Cable 57Y01 (12-1/2 ft.); 57Y03 (25 ft.)

Tig Torch Outfits

When it comes to exceptional quality, value, and the convenience of one-part-number ordering, nobody delivers like GENUINE HELIARC®. These Tig Torch Outfits contain everything you need in one easy-to-use package.



Tig Torch Outfits Designed for H-252 & H-352

COMPONENTS	PART NO.	AIR-COOLED OUTFITS		WATER-COOLED OUTFITS	
		HW-17 604622	HW-26 36678	HW-18 36679	HW-20 604623
HW-17, 60 DEG. 25 ft.	16X50	●			
HW-26, 75 DEG. 25 ft.	46V29		●		
HW-18, 65 DEG. 25 ft.	948362			●	
HW-20, 75 DEG. 25 ft.	948085				●
TORCH ACCESSORY KIT, HW-17,18, 26	999126	●	●	●	
TORCH ACCESSORY KIT, HW-20	999127				●
R-33-FM-580 REGULATOR/FLOWMETER	21557	●	●	●	●
WATER HOSE, 6 ft.	20633			●	●
WORK CABLE & CLAMP w/OKC, 15 ft.	35881	●	●	●	●
GENUINE HELIARC® TIG WELDING HANDBOOK	781F29	●	●	●	●

Tig Torch Outfit Selections for all Other Power Supplies

COMPONENTS	PART NO.	AIR-COOLED OUTFITS								WATER-COOLED OUTFITS	
		HW-17 600991	HW-17V 600992	HW-17RV 36857	HW-17RV-2 600998	HW-17FV 600997	HW-26 600993	HW-26V 600994	HW-26RV-2 600999	HW-18 600996	HW-20 600995
HW-17, 60 DEG. 25 ft.	16X50	●									
HW-17V, 60 DEG. 25 ft.	634706		●								
HW-17RV, 60 DEG. 25 ft.	634706R			●							
HW-17RV-2, 60 DEG. 25 ft.	33814R				●						
HW-17FV, FLEX, 25 ft.	19884					●					
HW-26, 75 DEG. 25 ft.	46V29						●				
HW-26V, 75 DEG. 25 ft.	46V27							●			
HW-26RV-2, 75 DEG. 25 ft.	948128R								●		
HW-18, 65 DEG. 25 ft.	948362								●		
HW-20, 70 DEG. 25 ft.	948085									●	
TORCH ACCESSORY KIT, HW-17,18, 26	999126	●	●	●	●	●	●	●	●	●	
TORCH ACCESSORY KIT, HW-20	999127										●
R-33-FM-580 REGULATOR/FLOWMETER	21557	●	●	●	●	●	●	●	●	●	●
GAS HOSE, 25 ft.	34V38			●	●			●			
GAS HOSE, 12-1/2 ft.	40V77	●	●			●	●	●	●	●	●
GAS HOSE, 3 ft.	31504	●	●			●	●	●			
WATER HOSE, 6 ft. (2)	20633								●	●	
POWER CBL. ADPTR., HW-17	105Z57	●	●	●		●					
POWER CBL. ADPTR., HW-26	45V62						●	●			
POWER CBL. ADPTR., HW-18, 20	45V11								●	●	
WORK CBL., 15 ft. w/CLAMP & LUG	34886	●	●	●	●	●	●	●	●	●	●
TIG WELDING HANDBOOK	781F29	●	●	●	●	●	●	●	●	●	●

Heliarc®
Torches

Gas-Cooled Torches

	RATING@ 50% DUTY CYCLE	HARD BODY¹ W/HFC™	SILICON RUBBER²	60 DEG. HEAD ANGLE	70/75 DEG. HEAD ANGLE	90 DEG. HEAD ANGLE	180 DEG. HEAD ANGLE	FLEX HEAD	WITH VALVE	WITHOUT VALVE	COMMENTS
HW-24	80 amp	●		●		●				●	MINIATURE, ULTRA LIGHT TORCH
HW-90	120 amp	●			●		●			●	SMALL, LIGHTWEIGHT TORCH
HW-9	140 amp	●			●					●	COMPACT, AIR-COOLED VERSION OF HW-20
HW-9RV-2	140 amp		●		●				●		SEPARATE POWER CABLE & GAS HOSE
HW-9RV	140 amp		●		●				●		ROTARY VALVE
HW-9F	140 amp		●					●		●	FLEXIBLE HEAD VERSION OF HW-20A
HW-17	150 amp	●		●		●			●	●	ROTARY VALVE & SLIDING VALVE AVAIL.
HW-17-2	150 amp	●		●					●	●	SEPARATE POWER CABLE & GAS HOSE
HW-17R	150 amp		●	●		●			●	●	ROTARY VALVE AVAILABLE
HW-17R-2	150 amp		●	●					●	●	SEPARATE POWER CABLE & GAS HOSE
HW-17F	150 amp		●					●	●	●	FLEXIBLE HEAD VERSION
HW-17F-2	150 amp		●					●	●	●	SEPARATE POWER CABLE & GAS HOSE
HW-26	220 amp	●			●				●	●	POPULAR HEAVY DUTY AIR-COOLED TORCH
HW-26-2	220 amp	●			●				●	●	SEPARATE POWER CABLE & GAS HOSE
HW-26R	220 amp		●		●				●	●	CONCENTRIC POWER CABLE
HW-26R-2	220 amp		●		●				●	●	SEPARATE POWER CABLE & GAS HOSE
HW-26F	220 amp		●					●	●	●	FLEXIBLE HEAD VERSION
HW-26F-2	220 amp		●					●	●		SEPARATE POWER CABLE & GAS HOSE

Water-Cooled Torches

	RATING@ 50% DUTY CYCLE	HARD BODY¹ W/HFC™	SILICON RUBBER²	60 DEG. HEAD ANGLE	70/75 DEG. HEAD ANGLE	90 DEG. HEAD ANGLE	180 DEG. HEAD ANGLE	FLEX HEAD	WITH VALVE	WITHOUT VALVE	COMMENTS
HW-20	300 amp	●			●					●	COMPACT, HIGH CURRENT TORCH
HW-20R	300 amp		●		●					●	COMPACT, HIGH CURRENT TORCH
HW-18	425 amp	●		●		●				●	GENERAL PURPOSE
HW-18R	425 amp		●	●						●	GENERAL PURPOSE
HW-25F	200 amp		●				●	●		●	FLEXIBLE HEAD, WATER TORCH
HW-27	400 amp	●					●			●	REAR LOADING MACHINE TORCH

¹ *Hard Body Torches with HFC™ (High temperature Fiber reinforced Composite material) provide the best performance, heat resistance, abrasion resistance, and high frequency resistance.*

² *Rubber bodies provide improved resistance to breakage in rough duty.*

Notes:

- ESAB has made a model change on the HW-9 series torches. The new designation for that series of torches is HW-90.
- ESAB has made a model change on the HW-20A series torches. The new designation for that series of torches is HW-9.

OLD DESIGNATION	NEW DESIGNATION
HW-9	HW-90
HW-20A	HW-9
HW-20AR	HW-9R
HW-20AF	HW-9F
HW-20ARV	HW-9RV
HW-20ARV2	HW-9RV2