

H-10, 10F, 10FV, 10V
H-16, 16F, 16FV, 16V
H-20, H-35

FEATURES

The Heliweld II™ torch models are engineered and manufactured using the most modern materials and techniques to meet the stringent requirements of industry.

- High conductivity copper construction
- High temperature silicone rubber insulation
- High capacity silver brazed construction
- Durable, flexible rubber hoses & cables
- Protective zippered cable covers
- Air cooled flex heads and built-in gas valves



H-35-12R

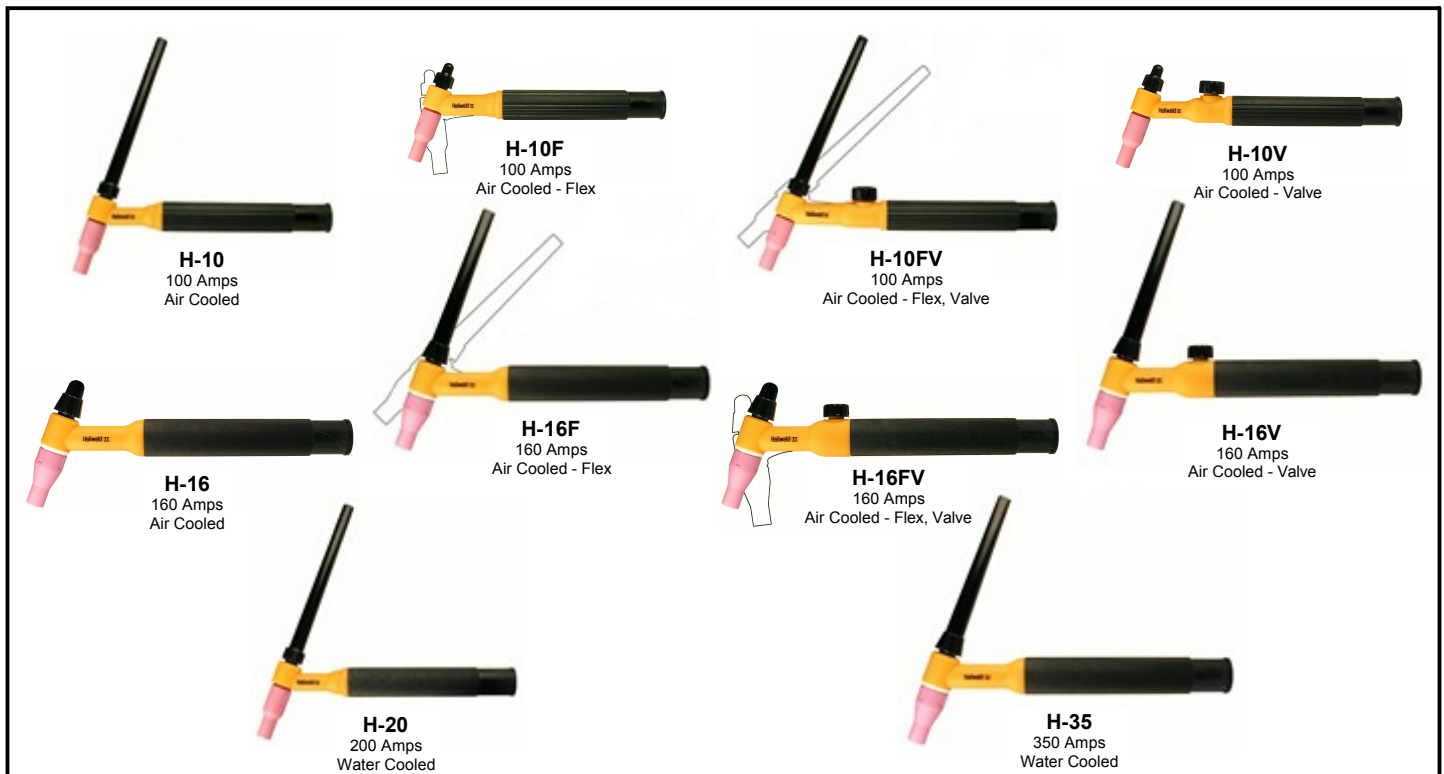
SPECIFICATIONS

MODEL	PART NO.	AIRCO® NO.	DESCRIPTION		AMPS*	FEATURES
H-10	H-10-12 H-10-25	2301-0010 2301-0030	12 1/2 Ft. Torch Package 25 Ft. Torch Package	A	100	Standard Model
H-10F	H-10F-12 H-10F-25	- -	12 1/2 Ft. Torch Package 25 Ft. Torch Package	A	100	Flex Head Model
H-10FV	H-10FV-12 H-10FV-25	- -	12 1/2 Ft. Torch Package 25 Ft. Torch Package	A	100	Flex Head With Valve
H-10V	H-10V-12 H-10V-25	2301-0070 2301-0071	12 1/2 Ft. Torch Package 25 Ft. Torch Package	A	100	Built-In Gas Valve
H-16	H-16-12 H-16-25	2301-0047 2301-0049	12 1/2 Ft. Torch Package 25 Ft. Torch Package	A	160	Standard Model
H-16F	H-16F-12 H-16F-25	- -	12 1/2 Ft. Torch Package 25 Ft. Torch Package	A	160	Flex Head Model
H-16FV	H-16FV-12 H-16FV-25	- -	12 1/2 Ft. Torch Package 25 Ft. Torch Package	A	160	Flex Head With Valve
H-16V	H-16V-12 H-16V-25	2301-0084 2301-0085	12 1/2 Ft. Torch Package 25 Ft. Torch Package	A	160	Built-In Gas Valve
H-20	H-20-12 H-20-25	2301-0041 2301-0042	12 1/2 Ft. Torch Package 25 Ft. Torch Package	W	200	Standard Model
H-35	H-35-12 H-35-25	2301-3751 2301-3776	12 1/2 Ft. Torch Package 25 Ft. Torch Package	W	350	Standard Model

NOTES: Power cable connector and accessory kit not supplied with torch package. Order as needed.
A=Air cooled, W=Water cooled.

* AC, DCSP

TORCH MODELS



Specifications and models subject to change without notice.

ALUMINA NOZZLES

TORCH	LENGTH	ORIFICE		SIZE	PART NO.
		IN	mm		
H-10, 10F, 10FV, 10V H-20 	1 9/16"	1/4	6	4	2304-0069
		5/16	8	5	2304-0070
		3/8	10	6	2304-0073
		7/16	11	7	2304-0074
H-16, 16F, 16FV, 16V H-35 	1 5/8"	1/4	6	4	2304-0079
		5/16	8	5	2304-0080
		3/8	10	6	2304-0081
		1/2	12.5	8	2304-0082
		5/8	16	10	2304-0083

NOSE TRANSFER BLOCKS

TORCH	SIZE		PART NO.
	IN	mm	
H-10, 10F, 10FV, 10V H-20 	.020 - 1/8	0,5 - 3,2	2310-1810
H-16, 16F, 16FV, 16V H-35 	.020 - 3/16	0,5 - 4,8	2310-1938

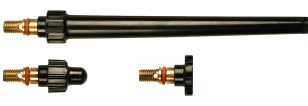
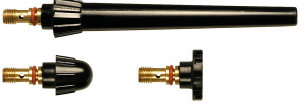
ALUMINA GAS FLOW STRAIGHTENER NOZZLES

TORCH	LENGTH	ORIFICE		SIZE	PART NO.
		IN	mm		
H-10, 10F, 10FV, 10V H-20 	1"	1/4	6	4	53N58
		5/16	8	5	53N59
		3/8	10	6	53N60
		7/16	11	7	53N61
		1/2	12.5	8	53N61S
H-16, 16F, 16FV, 16V H-35 	1 5/8"	1/4	6	4	54N18
		5/16	8	5	54N17
		3/8	10	6	54N16
		7/16	11	7	54N15
		1/2	12.5	8	54N14
		11/16	17.5	11	54N19

COLLETS

TORCH	SIZE		PART NO.
	IN	mm	
H-10, 10F, 10FV, 10V H-20 	.020	0,5	2304-0138
	.040	1,0	2304-0137
	1/16	1,6	2304-0136
	3/32	2,4	2304-0135
	1/8	3,2	2304-0068
H-16, 16F, 16FV, 16V H-35 	.020	0,5	2304-0086
	.040	1,0	2304-0087
	1/16	1,6	2304-0088
	3/32	2,4	2304-0089
	1/8	3,2	2304-0090
	5/32	4,0	2304-0091
	3/16	4,8	2304-0146

BACK CAPS

TORCH	DESCRIPTION	PART NO.
H-10, 10F, 10FV, 10V H-20 	2" Short Cap	2304-0008
	3" Medium Cap	2304-0009
	7" Long Cap	2304-0010
H-16, 16F, 16FV, 16V H-35 	2" Short Cap	2304-0143
	3" Medium Cap	2304-0144
	7" Long Cap	2304-0145

GAS FLOW STRAIGHTENERS*

TORCH	SIZE		PART NO.
	IN	mm	
H-10, 10F, 10FV, 10V H-20 	.020 - 1/16	0,5 - 1,6	2304-0187A
	3/32	2,4	2304-0188A
	1/8	3,2	2304-0189A
H-16, 16F, 16FV, 16V H-35 	.020 - 1/16	0,5 - 1,6	2304-0176A
	3/32	2,4	2304-0177A
	1/8	3,2	2304-0178A
	5/32	4,0	2304-0179A

*NOTE: Gas flow straighteners do not use original Airco® nozzles.

POWER CABLE CONNECTORS

	TORCH	PART NO.
	H-10, 10F, 10FV, 10V	2310-1645
	H-16, 16F, 16FV, 16V	2310-1879
	H-20	2310-1824
	H-35	2310-0735
	H-10, 10F, 10FV, 10V	3576 3576GT
	H-16, 16F, 16FV, 16V	3558G 3558GT
	H-20 H-35	3558W-20 3558W

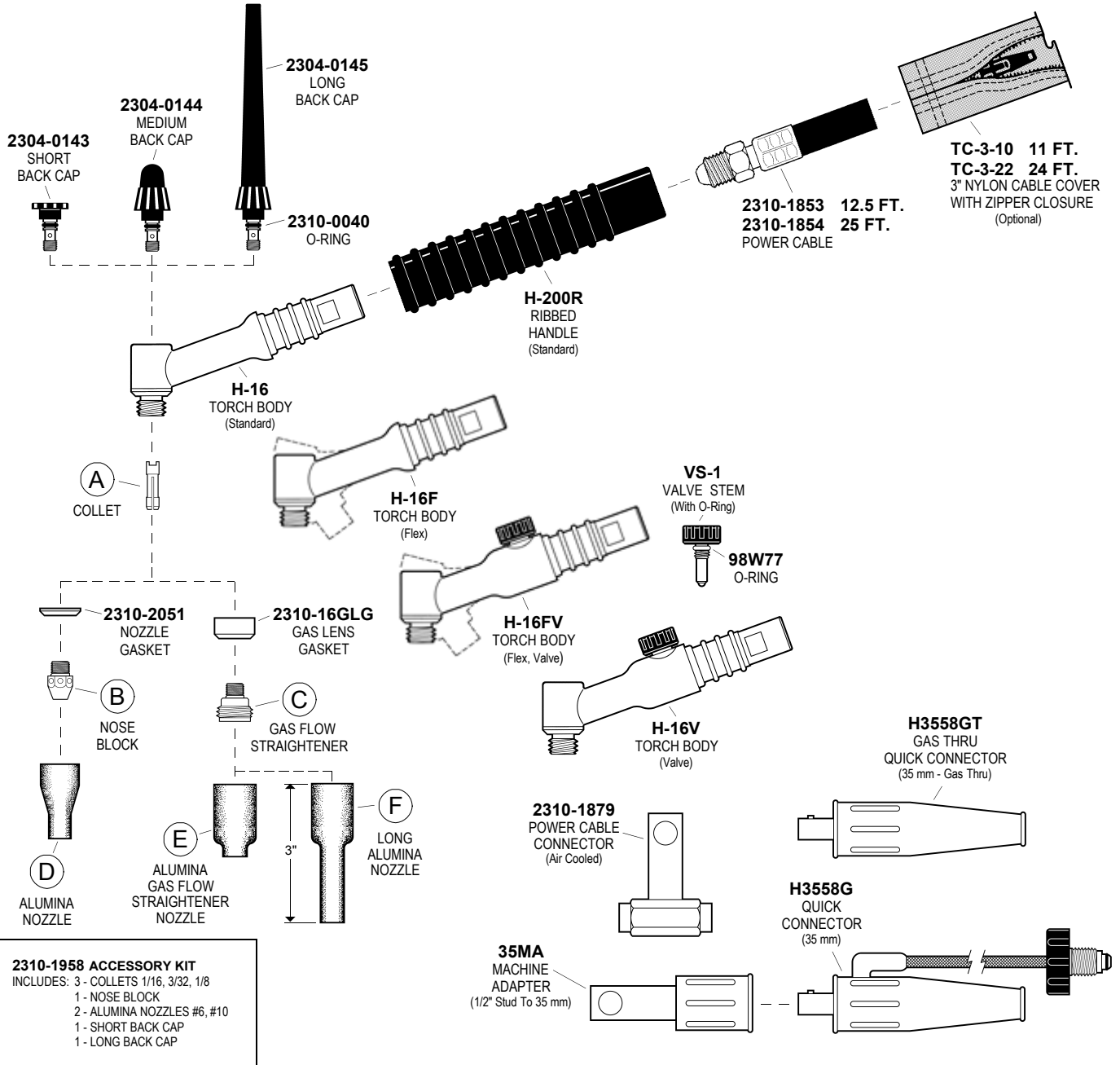
GASKETS • INSULATORS

TORCH	DESCRIPTION	PART NO.
H-10, 10F, 10FV, 10V H-20 	Nozzle O-Ring G/L Gasket	2310-0019 2310-10GLG
H-16, 16F, 16FV, 16V H-35 	Nozzle Gasket G/L Gasket	2310-2051 2310-16GLG

Heliweld II™

TEC Welding Products, Inc.
P.O. Box 1870, San Marcos, CA 92079 USA
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www.tectorch.com

H-16 • H-16F
STANDARD FLEX
H-16FV • H-16V
FLEX, VALVE VALVE
160 AMPS • AIR COOLED



COLLETS • NOSE BLOCK • GAS STRAIGHTENERS

ITEM	ELECTRODE DIAMETER	.020 0,5	.040 1,0	1/16 1,6	3/32 2,4	1/8 3,2	5/32 4,0	3/16 4,8
A	COLLET	2304-0086	2304-0087	2304-0088	2304-0089	2304-0090	2304-0091	2304-0146
B	NOSE BLOCK	2310-1938						
C	GAS FLOW STRAIGHTENER	2304-0176A		2304-0177A	2304-0178A	2304-0179A	—	

GAS NOZZLES

ITEM	NO. SIZE	4 1/4"	5 5/16"	6 3/8"	7 7/16"	8 1/2"	10 5/8"	11 11/16"
D	ALUMINA	2304-0079	2304-0080	2304-0081	—	2304-0082	2304-0083	—
E	ALUMINA	54N18	54N17	54N16	54N15	54N14	—	54N19
F	LONG ALUMINA 3"	—	54N17L	54N16L	54N15L	54N14L	—	—

MANUFACTURED IN USA

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