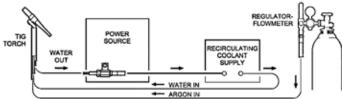
-CK WORLDWIDE INC.-

WARRANTY:

CK Worldwide, Inc. warrants products manufactured by CK Worldwide, Inc. to be free of defects in materials and workmanship. CK Worldwide, Inc. limits this warranty to replacement of the product or parts thereof and excludes liability for injury, property damage or economic loss attributable to product use or misuse. In any event, CK Worldwide, Inc. will only be responsible for its products when used with accessory items manufactured by CK Worldwide, Inc.

INSTALLATION: Before using this torch, - tighten regulator, hose and power cable fittings with proper wrenches. Using small pliers, securely tighten all knurled hose fittings (Slide the torch handle back for access to the torch connections). Purge the regulator and TIG torch with inert gas at 20 cubic feet per hour. Following these steps will ensure contamination free welds. Repeat this procedure whenever torch or regulator fittings have been detached.

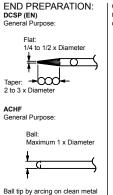
CONNECTION DIAGRAM:



INFORMATION CHART:

Electrode Diameter in inches (mm)	Cup Size	WELDING CURRENT (AMPS) - TUNGSTEN TYPE				ARGON FLOW - FERROUS METALS		ARGON FLOW - ALUMINUM	
		AC Pure	AC Thoriated	DCSP Pure	DCSP Thoriated	Standard Body (Liters)	Gas Lens Body (Liters)	Standard Body (Liters)	Gas Lens Body (Liters)
.020 (0.50)	4 or 5	5 - 15	5 - 20	5 - 15	5 - 20	5-8 (3-4)	5-8 (3-4)	5-8 (3-4)	5-8 (3-4)
.040 (1.00)	4 or 5	10 - 60	15-80	15 - 70	20 - 80	5-10 (3-5)	5-8 (3-4)	5-12 (3-6)	5-10 (3-5)
1/16 (1.60)	4, 5 or 6	50 - 100	70 - 150	70 - 130	80 - 150	7-12 (4-6)	5-10 (3-5)	8-15 (4-7)	7-12 (4-6)
3/32 (2.40)	6, 7 or 8	100 - 160	140 - 235	150 - 220	150 - 250	10-15 (5-7)	8-10 (4-5)	10-20 (5-10)	10-15 (5-7)
1/8 (3.20)	7, 8 or 10	150 - 210	220 - 325	220 - 330	240 - 350	10-18 (5-9)	8-12 (4-6)	12-25 (6-12)	10-20 (5-10)
5/32 (4.00)	8 or 10	200 - 275	300 - 425	375 - 475	400 - 500	15-25 (7-12)	10-15 (5-7)	15-30 (7-14)	12-25 (6-12)
3/16 (4.80)	8 or 10	250 - 350	400 - 525	475-800	475-800	20-35 (10-17)	12-25 (6-12)	25-40 (12-19)	15-30 (7-14)
1/4 (6.40)	10	325 - 700	500 - 700	750 - 1000	700 - 1100	25-50 (12-24)	20-35 (10-17)	30-55 (14-26)	25-45 (12-21)

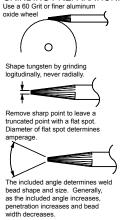
TUNGSTEN PREPARATION:

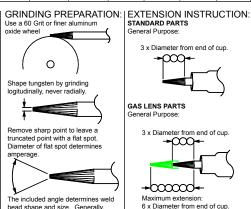


at low current DCRP (EP) then

slowly increase current to form

the desired ball diameter.





CAUTION:

Personal harm will result from touching the hot parts of a TIG torch without insulative protection, or from looking directly or indirectly at an arc or reflected arc. At no time should bare skin be exposed to a welding arc.



TIG TORCH MANUAL



TECHNICAL INFORMATION

RATING @ 100% DUTY CYCLE: 400 AMP ACHF OR DCSP COOLING METHOD: WATER COOLED

ACCESSORY ITEMS REQUIRED FOR COMPLETE INSTALLATION:

HEAD ACCESSORIES: 3 /MT400 SERIES POWER CABLE ADAPTOR: 2PCA, SLWHAT-25, SLWHAT-35

MODEL SELECTOR - TORCH PACKAGES

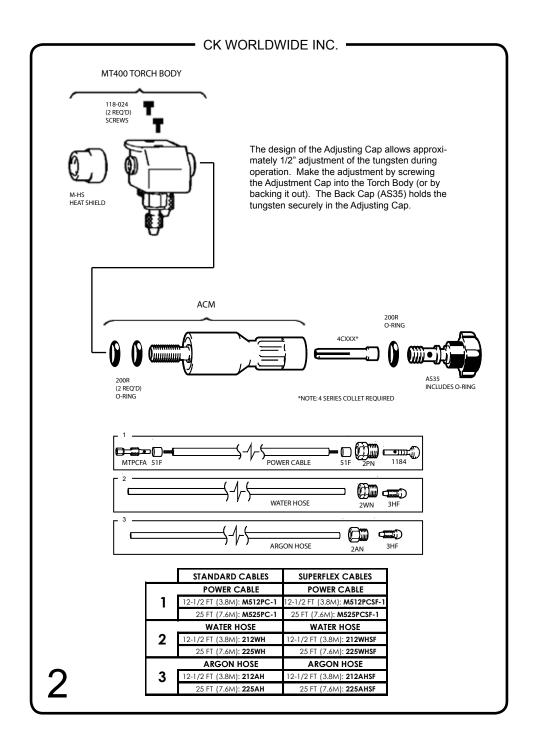
HEAD STYLE	CABLE LENGTH	PART NUMBER
FACE PLATE MOUNTED	12-1/2 ft. (3.8m)	MT412-1
WITH ADJUSTING CAP	25 ft (7.6m)	MT425-1

IMPORTANT!! READ AND UNDERSTAND THE INFORMATION CONTAINED IN THIS MANUAL BEFORE OPERATING THE EQUIPMENT!

CK WORLDWIDE INC. 3501 "C" ST. N.E. **AUBURN. WA. 98002**

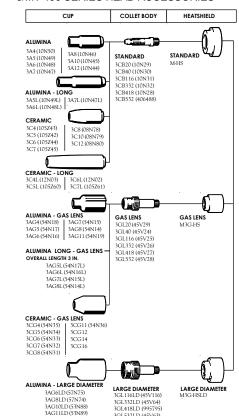
PHONE: (253) 854-5820 PHONE: (800) 426-0877 FAX: (253) 939-1746

www.ckworldwide.com ck@ckworldwide.com



CK WORLDWIDE INC.

3/MT 400 SERIES HEAD ACCESSORIES



4 Series Collet



4C20 (10N21S) 4C40 (10N22S) 4C116 (10N23S) 4C332 (10N24S) 4C418 (10N25S) 4C532

TUNGSTEN ELECTRODE CONVERSION CHART

3AG12LD (53N87)

Size Suffix	Inches	Millimeter s
020	.020"	.5mm
040	.040"	1.0mm
116	1/16"	1.6mm
332	3/32"	2.4mm
418	1/8"	3.2mm
532	5/32"	4.0mm

USED ON: 90EMT300 MT100, MT500

SHORT LEADS: For many installations, shorter power cable and hoses are required. You may specify any length power cable up to the standard 12-1/2 ft. length at no extra charge. Simply specify short leads and indicate your desired length at time of order. Since these are non stocked items check lead time.

90° power cable fittings are available for use with mt series machine torches. These fittings change the power cable connection orientation to one parallel with the torch center of axis. Note: Two fittings are required for use with the MT300, MT400, and the MT500. Only one fitting is required for use with the MT100 and the MT200. Specify the desired quantity of fittings when you place your order.

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