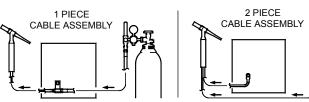
-CK WORLDWIDE INC.-

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.

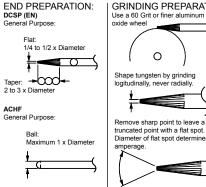
CONNECTION DIAGRAM:



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)

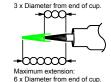
TUNGSTEN PREPARATION:



Shape tungsten by grinding Remove sharp point to leave a truncated point with a flat spot. Diameter of flat spot determines The included angle determines weld bead shape and size. Generally, as the included angle increases. penetration increases and bead

GRINDING PREPARATION: EXTENSION INSTRUCTION: STANDARD PARTS General Purpose: 3 x Diameter from end of cup.

GAS LENS PARTS General Purpose:



Ball tip by arcing on clean metal 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



CK24 & CK24V FLEX

TECHNICAL INFORMATION

RATING @ 100% DUTY CYCLE: 90 AMP ACHF OR DCSP COOLING METHOD: GAS COOLED

ACCESSORY ITEMS REQUIRED FOR COMPLETE INSTALLATION:

HEAD ACCESSORIES: 8 SERIES HEAD ACCESSORIES POWER CABLE ADAPTOR: 1PCA

MODEL SELECTOR - TORCH PACKAGES

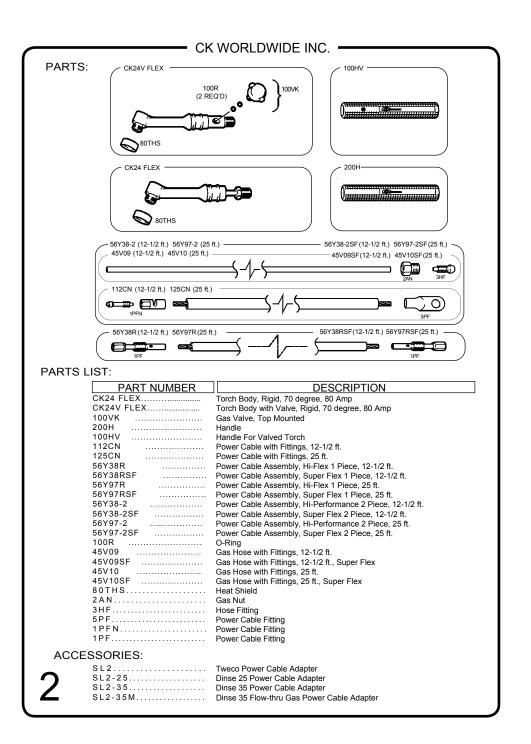
HEAD STYLE	CABLE	LENGTH	STANDARD#	SUPERFLEX #
Flex Head w/o Valve	2 Piece	12½ft (3.8m)	CK24-12-2 FX	CK24-12-2SF FX
	2 Field	25ft (7.6m)	CK24-25-2 FX	CK24-25-2SF FX
	1 Piece	12½ft (3.8m)	CK24-12-R FX	CK24-12-RSF FX
	111000	25ft (7.6m)	CK24-25-R FX	CK24-25-RSF FX
	2 Piece	12½ft (3.8m)	CK24V-12-2 FX	CK24V-12-2SF FX
Flex Head	2 FIECE	25ft (7.6m)	CK24V-25-2 FX	CK24V-25-2SF FX
with Valve	1 Piece	12½ft (3.8m)	CK24V-12-R FX	CK24V-12-RSF FX
	111000	25ft (7.6m)	CK24V-25-R FX	CK24V-25-RSF FX

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

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CK WORLDWIDE INC. 8 SERIES HEAD ACCESSORIES CIIP COLLET BODY COLLET HEATSHIELD TORCH CERAMIC 8C4 (53N24) 8C6 (53N27) STANDARD STANDARD STANDARD 8C5 (53N25) 8CB20 (53N17) 8C20 (53N15) 80THS 8CB40 (53N18) 8C40 (53N16) AIIIMINA 8CB116 (53N19) 8C116 (53N14) 8A1 (A53N23) | 8A5 (A53N25) 8CB332 (24CB332) 8C332 (24C332) 8A4 (A53N24) 8A6 (A53N27 CERAMIC - LONG 8C4L (53N28) | 8C6L (53N26) GAS LENS GAS LENS GAS LENS ALUMINA - GAS LENS 8CG20 (53N62) 2GL20 (45V41) 8GHS 2AG4 (53N58) | 2AG6 (53N60) 8CG40 (53N63) 2GL40 (45V42) 2AG5 (53N59) 2AG7 (53N61) 8CG116 (53N64) 2GL116 (45V43) 8CG332 (24GLC332 2GL332 (45V44) APPLICATIONS OF: WEDGE -STANDARD PARTS: 8CG332GS ARE FOR GENERAL PURPOSE USE. CERAMIC GAS LENS 8C4 (53N24) GAS LENS 8C6 (53N27) WEDGE COLLETS: 8C332 (24C332) 8C5 (53N25) 8GL332 IMPROVE ARC STARTING. ALUMINA IMPROVE ARC STABILITY. 8A1 (A53N23) | 8A5 (A53N25) IMPROVE ARC CONTROL. 8A4 (A53N24) 8A6 (A53N27 CERAMIC - LONG CERAMIC (LAVA) CUPS: 8C4L (53N28) | 8C6L (53N26) ARE USED WHEN REFLECTED HEAT IS HIGH. ALUMINA CUPS: TUNGSTEN ELECTRODE CONVERSION CHART ARE USED FOR GENERAL PURPOSE, Size Suffix Inches Millimeters AND WHEN IMPACT RESISTANT CUPS ARE REQUIRED. .040" 1.0mm 1/16" 1.6mm GAS LENS PARTS: 332 3/32" 2.4mm ARE USED TO REDUCE TURBULENCE 3.2mm AND IMPROVE SHIELD GAS COVERAGE 5/32" 4 0mm PATTERNS, INCREASES DUTY CYCLE OF TORCH AND INCREASES TUNGSTEN STICK OUT. SHORT (STUBBY) PARTS: ARE USED TO SHORTEN THE OVERALL LENGTH OF THE TORCH HEAD. REDUCES DUTY CYCLE OF TORCH GAS SAVER PARTS: ARE USED TO SAVE UP TO 40% ON GAS CONSUMPTION. ARE USED TO SAVE UP TO 60% ON CONSUMABLE PARTS. ARE USED TO CLEARLY SEE THE WELD ARE USED TO ACHIEVE GAS LENS