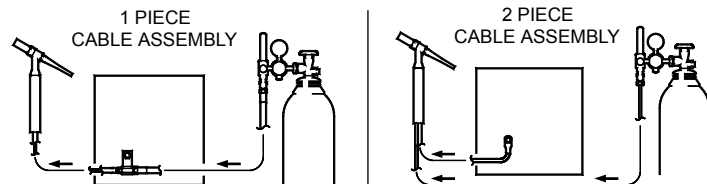


WARRANTY: CK Worldwide, Inc. warrants products manufactured by CK Worldwide, Inc. to be free of defects in materials and workmanship. CK Worldwide, Inc. limits this warranty to replacement of the product or parts thereof and excludes liability for injury, property damage or economic loss attributable 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:

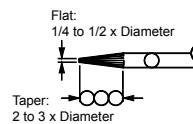


INFORMATION CHART:

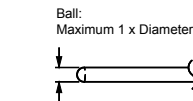
Electrode Diameter in inches (mm)	Cup Size	WELDING CURRENT (AMPS) - TUNGSTEN TYPE				ARGON FLOW - FERROUS METALS		ARGON FLOW - ALUMINUM	
		AC Pure	AC Thoriated	DCSP Pure	DCSP Thoriated	Standard Body (Liters)	Gas Lens Body (Liters)	Standard Body (Liters)	Gas Lens Body (Liters)
.020 (0.50)	4 or 5	5 - 15	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:

END PREPARATION: DCSP (EN)
General Purpose:

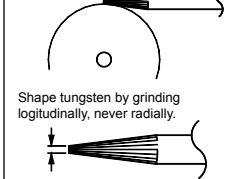


ACHF
General Purpose:

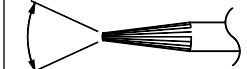


Ball tip by arcing on clean metal at low current DCRP (EP) then slowly increase current to form the desired ball diameter.

GRINDING PREPARATION:
Use a 60 Grit or finer aluminum oxide wheel

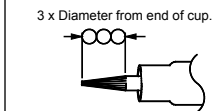


Remove sharp point to leave a truncated point with a flat spot. Diameter of flat spot determines amperage.

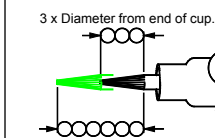


The included angle determines weld bead shape and size. Generally, as the included angle increases, penetration increases and bead width decreases.

EXTENSION INSTRUCTION: STANDARD PARTS
General Purpose:



GAS LENS PARTS
General Purpose:



Maximum extension: 6 x Diameter from end of cup. (In draft - free areas)

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



FL130 GAS COOLED

TECHNICAL INFORMATION

RATING @ 100% DUTY CYCLE: 130 AMP ACHF OR DCSP
COOLING METHOD: GAS COOLED

ACCESSORY ITEMS REQUIRED FOR COMPLETE INSTALLATION:

HEAD ACCESSORIES: 2 SERIES HEAD ACCESSORIES
POWER CABLE ADAPTOR: 105Z57 (15PCA)

MODEL SELECTOR - TORCH PACKAGES

BODY STYLE - CABLE STYLE	HEAD	AMP RATING	HEAD ACCESS	CABLE LENGTH	HI-FLEX CABLE	SUPERFLEX CABLE
FL130-NO VALVE 1 PIECE CABLE	FL2L	130	2 SERIES	12-1/2 ft. (3.8m)	FL1312	FL1312SF
				25 ft (7.6m)	FL1325	FL1325SF
FL130-WITH VALVE 1 PIECE CABLE	FL2L	130	2 SERIES	12-1/2 ft. (3.8m)	FL1312V	FL1312VSF
				25 ft (7.6m)	FL1325V	FL1325VSF

HEAD ADJUSTMENT FOR FLEX-LOC

1. HOLD HEAD ADJUSTING STEM IN PLACE AND ROTATE HEAD COUNTER-CLOCKWISE ONE FULL TURN.



2. PUSH HEAD INTO TORCH BODY UNTIL ADJUSTING STEM TURNS FREELY.



3. ROTATE HEAD AND ADJUSTING STEM SIMULTANEOUSLY IN SAME DIRECTION TO DESIRED ANGLE.



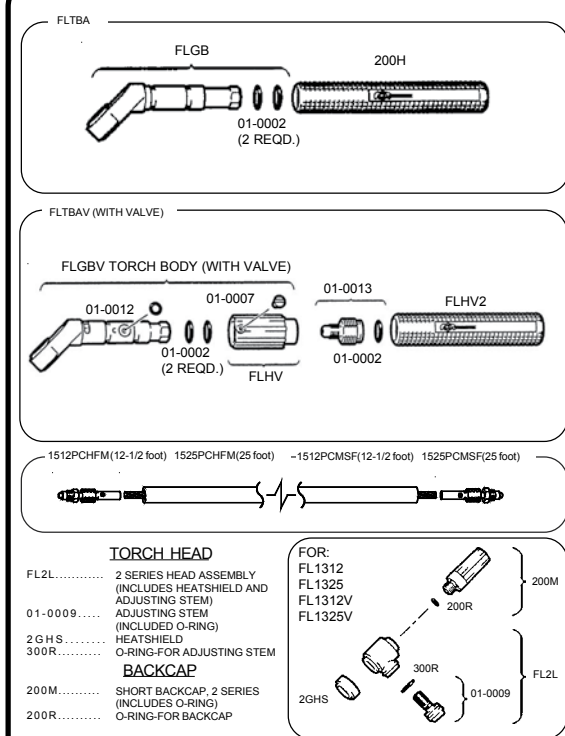
4. HOLD ADJUSTING STEM IN PLACE AND ROTATE HEAD COUNTER-CLOCKWISE UNTIL SNUG.



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

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

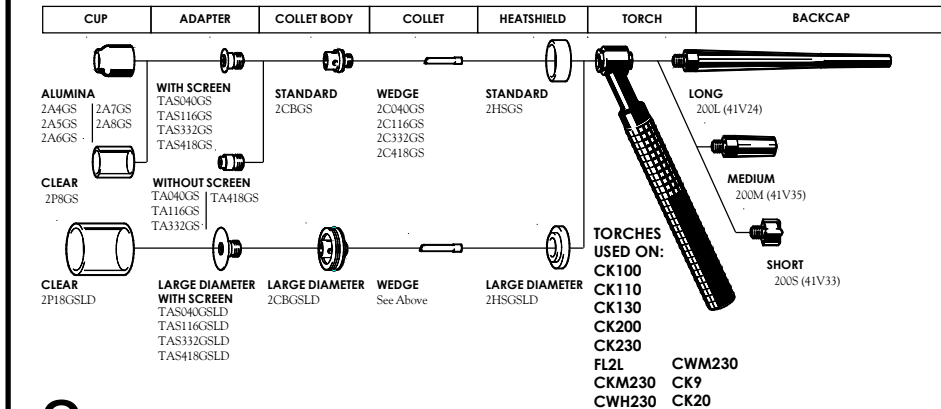
www.ckworldwide.com
ck@ckworldwide.com



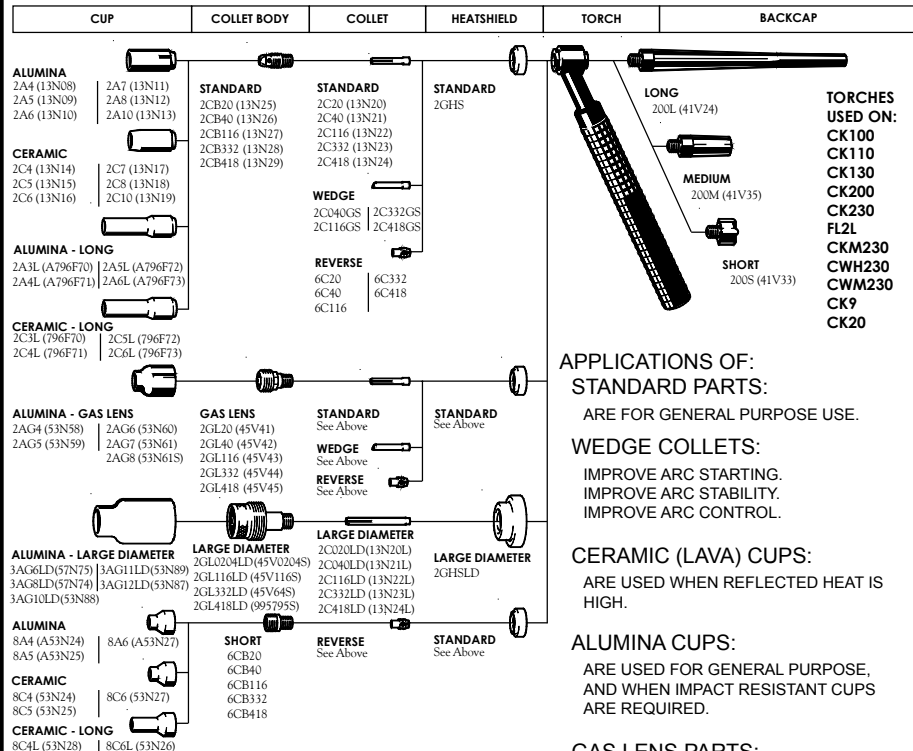
PART #	DESCRIPTION
TORCH	
FLTB A.....	TORCH BODY ASSEMBLY (INCL. TORCH BODY, O-RINGS & HANDLE)
FLGB.....	TORCH BODY (INCLUDES O-RINGS)
01-0002.....	O-RING - FOR BODY (2 REQUIRED)
200H.....	HANDLE
FLTB A V.....	VALVED TORCH BODY ASSEMBLY (INCL. TORCH BODY, O-RINGS, HANDLE VALVE AND HANDLE ADAPTER AND HANDLE)
FLGB V.....	VALVED TORCH BODY (INCL. O-RINGS AND HANDLE VALVE)
01-0012.....	O-RING FOR VALVE
01-0002.....	O-RING FOR VALVE (2 REQUIRED)
FLHV.....	HANDLE VALVE (INCL. NYLON SCREW)
01-0007.....	NYLON SCREW
01-0013.....	HANDLE ADAPTER (INCL. O-RING)
01-0002.....	O-RING
FLHV 2.....	HANDLE, THREADED
POWER CABLES	
1512PCHFM.....	POWER CABLE-12-1/2 FOOT HI-FLEX (INCLUDES FITTINGS)
1512PCMSF.....	POWER CABLE-12-1/2 FOOT SUPER FLEX (INCLUDES FITTINGS)
1525PCHFM.....	POWER CABLE-25 FOOT HI-FLEX (INCLUDES FITTINGS)
1525PCMSF.....	POWER CABLE-25 FOOT SUPER FLEX (INCLUDES FITTINGS)
ACCESSORIES	
15PCA.....	POWER CABLE ADAPTER (ORDER SEPARATELY) SAFE LOCK QUICK CONNECT
SL2.....	TWECO POWER CABLE ADAPTER
SL2-25.....	DINSE 25 POWER CABLE ADAPTER
SL2-35.....	DINSE 35 POWER CABLE ADAPTER
SL2-35M.....	DINSE 35 FLOW-THRU GAS POWER CABLE ADAPTER

NOTE:
TRI-FLEX CABLE CAN BE SEPARATED TO REPLACE GAS HOSE, WATER HOSE OR POWER CABLE INDIVIDUALLY

2 SERIES HEAD ACCESSORIES GAS SAVER



2 SERIES HEAD ACCESSORIES



- TORCHES USED ON:**
CK100
CK110
CK130
CK200
CK230
FL2L
CKM230
CWH230
CWM230
CK9
CK20

- APPLICATIONS OF: STANDARD PARTS:**
ARE FOR GENERAL PURPOSE USE.
- WEDGE COLLETS:**
IMPROVE ARC STARTING.
IMPROVE ARC STABILITY.
IMPROVE ARC CONTROL.
- CERAMIC (LAVA) CUPS:**
ARE USED WHEN REFLECTED HEAT IS HIGH.
- ALUMINA CUPS:**
ARE USED FOR GENERAL PURPOSE, AND WHEN IMPACT RESISTANT CUPS ARE REQUIRED.
- 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 PUDDLE.
ARE USED TO ACHIEVE GAS LENS