

SNAP-ON® MUSCLE MIG/MIG WIRE FEED WELDERS

Snap-on® 230 V MIG Welders

Snap-on® MIG Welders have higher duty cycles at maximum amperage, providing added weld times and performance that surpasses the competition. Ideal for many applications, including automotive repair, collision, heavy-duty truck, farm and metal fabrication shops. Added capabilities include a detachable feeder assembly, spot stitch (some models), along with the optional TIG accessory and aluminum spool gun packs.



Wire feed assembly, constructed of precision-machined cast aluminum, features all-metal gearing and 800 in/min delivery for consistent wire speeds

Capacitor bank and diode set delivers consistent voltage and industry-leading smooth arc characteristics

All-copper-wound, tapped transformer features Nomex® insulation and bolted laminations to provide precise voltage control and repeatable welds



Snap-on® 230 V MIG Welders

Specifications	MIG220	MM250SL	MM350XL
Output Amperage Max, amps	220	270	350
Duty Cycle Rating	60% @ 185 A	100% @ 185 A	100% @ 300 A
Welding Capacity, Single Pass, inches	5/16	3/8	1/2
Voltage Settings, MIG/TIG	12/4	8/4	8/4
Spot-Stitch	No	Yes	No
Detachable Feeder	No	Yes	Yes
Wire Size, inches (mm)	.023-.045 (.58-1.1)	.023-.045 (.58-1.1)	.023-.063 (.58-1.6)
Torch Length, feet	10	10	12
Feeder Cable Length, feet	N/A	15 (4.6)	15 (4.6)
Ground Cable Length, feet (m)	10 (3)	15 (4.6)	25 (7.6)
Power Input Cable Length, feet (m)	20 (6)	20 (6)	20 (6)
Input Voltage	208/230 V AC, 50/60 Hz 1-ph	208/230 V AC, 50/60 Hz 1-ph	208/230 V AC, 50/60 Hz 1-ph
Input Amperage (recommended)	26/24	33/30	46/42
Gas Regulator-Flowmeter	Yes	Yes	Yes
Warranty*	2 Year	2 Years	2 Year

*Warranty does not include cable and torch consumables
 TECHNICAL SUPPORT: 800-ABC-WELD

Snap-on® MIG welders can be used as straight polarity with shielding gas or reverse polarity without shielding gas for flux cored wire. MIG135 is compact and portable for use on the worksite.



Snap-on® 115 Volt MIG Welders

Specifications	MIG135	MIG140	MM140SL
Output Amperage Max, amps	135	140	140
Arc Voltage, V DC	15–18.3	14–26	14–26
Open Circuit Voltage, V DC	16–24	16–34	18–33
Duty Cycle Rating	20% @ 90 A	60% @ 140 A	100% @ 140 A
Spot-Stitch	No	No	Yes
Welding Capacity, Single Pass, inches	3/16	1/4	1/4
Detachable Feeder	No	No	Yes
Ground Cable Length, feet (m)	8 (2.4)	10 (3)	15 (4.6)
Power Input Cable Length, feet (m)	6 (1.8)	20 (6)	20 (6)
Input Voltage	115 V AC, 50/60 Hz 1-hp	115 V AC, 50/60 Hz 1-ph	115 V AC, 50/60 Hz 1-ph
Input Amperage (recommended)	20	30	30
Gas Regulator-Flowmeter	Regulator	Yes	Yes
Dimensions, inches (W x D x H)	13 x 19 x 18-1/4	14-1/2 x 26.3 x 32.3	14-1/2 x 26.3 x 32.3
Warranty*	2 Years	2 Years	2 Years

*Warranty does not include cable and torch consumables
TECHNICAL SUPPORT: 800-ABC-WELD

ACCESSORIES – MIG WELDERS

MIG Welder Accessories

IMAGE	Stock No.	Description	MM140SL	MM250SL	MM350XL	MIG220	MIG140
	MHG5A	Aluminum Spool Gun Converts Welders Listed to Aluminum Welding	N/A	N/A	N/A	Opt	Opt
	MHG5B	Aluminum Spool Gun Converts Welders Listed to Aluminum Welding	Opt	Opt	Opt	N/A	N/A
	CKSTP2125A	DC TIG Pack Adds DC TIG Welding Capability for Welding Ferrous Metals	N/A	N/A	N/A	Opt	Opt
	FLEXTIG25	DC TIG Pack Adds DC TIG Welding Capability for Welding Ferrous Metals	Opt	Opt	Opt	N/A	N/A
	CKS2TK	Twin Cylinder Rack Converts Models Listed to Carry Two Cylinders	N/A	Opt	Std	Opt	N/A
	CKS15FN1030	Flexible Neck Torch for Welding Exhaust Systems	Opt	Opt	Opt	Opt	Opt

Std = Standard
Opt = Optional
TECHNICAL SUPPORT: 800-ABC-WELD



- Wear face shield and protective clothing while welding or cutting.
- Do not allow bystanders while welding or cutting.
- Read Safety Precautions on pages W1–W4



MIG225Ai



MIG185i



MIG200i



MIG160i

Synergic MIG Welders

- Easy-to-read LCD display panel and a single knob for selection and adjustments
- Multiple synergic curves allow the user to weld a variety of materials and thicknesses
- Preset synergic curves automatically provide the most optimal parameters for individual situations
- Inverter-style wire feed synergic MIG features two torches allows for quick changeover time from steel to aluminum
- Pulse and double-pulse settings for increased heat control with thin materials and improved overall weld appearance
- Individual welding parameters and preset by material, thickness, wire type and size, along with shielding gas type
- MIG welding of steel, stainless-steel and MIG brazing of high-strength and Boron steels
- Hot start option increases current at the beginning of the weld cycle to ensure adequate penetration
- Crater fill selection allows user to finish the weld cycle by filling in the weld puddle and eliminates pinholes
- LCD screen shows welding parameters, such as current, voltage, recommended thickness, wire speed and wire diameter
- Machine automatically sets both heat and wire speed for multiple material thicknesses
- Adjustable arc length, inductance, burnback, soft start, pre-gas and post-gas
- Spot weld and pause features, with adjustable on time
- Faster set-up time and reduced production times
- Complete with regulator-flowmeter

Specifications	MIG225Ai	MIG200i	MIG185i	MIG160i
Power Output, amps	20-225	20-200	20-185	20-160
Duty Cycle/Rated Output, amps	120 @100%	120@100%	110 @100%	100 @100%
Standard Torch Configuration	Aluminum/Steel	Aluminum	Aluminum	Steel
Ground Cable Length, feet (m)	11-1/2 (3.5)	10 (3)	10 (3)	10 (3)
Power Input Cord Length, feet (meters)	9 (2.7)	9 (2.7)	9 (2.7)	9 (2.7)
Power Input, V AC	230	230	230	230
Input Current, amps	26	26	24	20
Power input, Hz (Single Phase)	50/60	50/60	50/60	50/60
Height, inches (mm)	38	16 (406)	15 (381)	15 (381)
Width, inches (mm)	23 (584)	11 (280)	8 (203)	8 (203)
Depth, inches	36	19 (482)	18	6
Machine Weight, lb	150	46 (21)	30	24
Shipping Weight, lb	176	50 (23)	34	28

TECHNICAL SUPPORT: 800-ABC-WELD

CE - Approved

MIG225Ai Dual Torch Double-Pulse Synergic MIG Welder

- Welds 5356, 4047 and 0.045 5554 aluminum with a push-pull torch (standard equipment) that includes a fine current adjustment button
- Aluminum push-pull torch is longer for increased accessibility around the vehicle and contains a drive roller to eliminate wire binding
- Complete with running gear, two regulator-flowmeters and the capability to store two separate gas bottles

MIG200i Synergic Double-Pulse Inverter MIG Welder

- Welds 5354, 4047 and 0.045 5554 aluminum with standard 10 foot torch
- Selectable start mode includes a trigger control for Start Current, Slope Time and Crater Fill options
- Slope time adjustment controls the amount of time full current is present between Hot Start and Crater Fill options
- Comes standard with aluminum torch

MIG185i Synergic Inverter MIG Welder

- Welds 5356 and 4047 aluminum with a standard aluminum torch

MIG160i Synergic Inverter MIG Welder

- Inverter-style wire feed synergic MIG welder with a standard steel torch
- MIG welding of steel and stainless steel, and MIG brazing of high-strength and boron steels
- Welds 5356 and 4047 aluminum with optional aluminum torch and a drive roller (MIG1606 and CKS3080942)

MIG1605FLEX Flexible Neck MIG Torch for Synergic Welders

- Ideal for exhaust repair shops
- Can be placed in an infinite number of positions
- Allows welding of exhaust pipes without loosening the exhaust hanger
- Use with MIG160i, MIG185i, MIG200i, MIG225i and MIG225Ai


CKS15TG1025

CKS25SG1035

CKSGRFM
MIG Welders Parts and Consumables

Stock No.	Description	MIG140	MIG220	MM140SL	MM250SL	MM350XL
CKS15TG1025	10' Cable and MIG Welding Torch (.025" wire)	Opt	Opt	Opt	Opt	—
CKS15TG1030	10' Cable and MIG Welding Torch (.030" wire)	Std	Opt	Std	Opt	—
CKS15TG1035	10' Cable and MIG Welding Torch (.035" wire)	Opt	Std	Opt	Std	—
CKS25SG1035	10' Cable and MIG Welding Torch (.035" wire)	Opt	Opt	Opt	Opt	—
CKS15TG1230	12' Cable and MIG Welding Torch (.030" wire)	Opt	Opt	Opt	Opt	—
CKS15TG1235	12' Cable and MIG Welding Torch (.035" wire)	Opt	Opt	Opt	Opt	—
CKS35XL1235	12' Cable and MIG Welding Torch (.035" wire)	—	—	—	—	Std
CKS35XL1245	12' Cable and MIG Welding Torch (.045" wire)	—	—	—	—	Opt
CKS15TG1535	15' Cable and MIG Welding Torch (.035" wire)	Opt	Opt	Opt	Opt	—
CKS35XL1535	15' Cable and MIG Welding Torch (.035" wire)	—	—	—	—	Opt
CKS35XL1545	15' Cable and MIG Welding Torch (.045" wire)	—	—	—	—	Opt
CKSM103LB	Cable and MIG Welding Torch Liner (.020-.030" wire)	Std	Opt	Std	Opt	—
CKSM123LB	Cable and MIG Welding Torch Liner (.020-.030" wire)	Opt	Opt	Opt	Opt	Opt
CKSM104LN	Cable and MIG Welding Torch Liner (.030-.045" wire)	Opt	Std	Opt	Std	—
CKSM124LN	Cable and MIG Welding Torch Liner (.030-.045" wire)	Opt	Opt	Opt	Opt	Std
CKSM3TN50	1/2" Adjustable Nozzle	Std	Std	Std	Std	—
CKSM3B	Insulated Nozzle Bushing	Opt	Opt	Opt	Opt	—
CKSM6B	Insulated Nozzle Bushing	—	—	—	—	Std
CKSM3T2510	10 Pack Tip	Opt	Opt	Opt	Opt	Opt
CKSM3T3010	Contact Tip (.030" wire)	Std	Std	Std	Std	Opt
CKSM3T3510	Contact Tip (.035" wire)	Opt	Opt	Opt	Opt	Std
CKSM3T4510	10 Pack Tip	Opt	Opt	Opt	Opt	Opt
CKSM3D	Gas Diffuser	Opt	Opt	Opt	Opt	—
CKSM6D	Gas Diffuser	—	—	—	—	Std
CKSM3TD	Gas Diffuser	Std	Std	Std	Std	—
CKSGRFM	Flowmeter-Regulator	Std	Std	Std	Std	Std
CKSM3C50	Nozzle Cup	Opt	Opt	Opt	Opt	—
CKSM3TB2	Insulator with O-Ring	Std	Std	Std	Std	—
CKSM3TBR3	3 Pack O-Rings	Std	Std	Std	Std	—
CKSM6C62	Tapered Nozzle	—	—	—	—	Std
CKSM3NA50	Nozzle Assembly	Opt	Opt	Opt	Opt	—

Std = Standard

Opt = Optional

TECHNICAL SUPPORT: 800-ABC-WELD

Snap-on® MIG Welder Consumable Kits

Contains a selection of parts to repair Snap-on® MM Series, MIG220, MIG140, YA212AIND and FM140A welders, along with MHG Series spoolguns.

CKSMPK1 MIG Welder Parts Kit

- Standard MIG consumables, such as contact tips, O-rings, nozzles, insulator and diffuser

CKSMPK10 MIG Welder Master Parts Kit

- Contains CKSMPK1 contents, along with additional parts for aluminum spool guns


CKSMPK1

CKSMPK10


- Wear face shield and protective clothing while welding or cutting.
- Do not allow bystanders while welding or cutting.
- Read Safety Precautions on pages W1-W4

PARTS AND CONSUMABLES



Synergic MIG Welders Parts and Consumables

Stock No.	Description	MIG160i	MIG185i	MIG200i	MIG225i/ MIG225Ai
CKS246951	Drive Roller .023/.030	Std	Std	N/A	N/A
CKS3080396	Drive Roller .023/.030	N/A	N/A	Std	Std
CKS3080397	Wire Feed Roller .040-.045 Steel	N/A	N/A	Std	Std
CKS3080907	Drive Roller .035/.035 FLUX	Std	Opt	N/A	N/A
CKS3080914	Wire Feed Roller .030-.040 Aluminum	N/A	N/A	Std	Std
CKS3080915	Wire Feed Roller .045-1/16 Aluminum	N/A	N/A	Std	Std
CKS3080917	Drive Roller .030/.040	Opt	Opt	N/A	N/A
CKS3080918	Drive Roller .035 AL/.035	N/A	N/A	Std	Std
CKS3080942	Drive Roller .030 AL/.040 AL	Opt	Std	N/A	N/A
CKSB7123370	Torch Neck	Std	N/A	N/A	N/A
CKSGRFM	Flowmeter-Regulator	Std	Std	Std	Std
MIG023	Contact Tip (.023), 10 each	Opt	N/A	N/A	N/A
MIG030	Contact Tip (.030), 10 each	Std	N/A	N/A	N/A
MIG035	Contact Tip (.035), 10 each	Opt	N/A	N/A	N/A
MIG035AL	.035 Aluminum Contact Tip (10 ea)	Opt	N/A	N/A	N/A
MIG040	.040 Contact Tip (10 ea)	Opt	N/A	N/A	N/A
MIG040AL	.040 Aluminum Contact Tip (10 ea)	Opt	N/A	N/A	N/A
MIG1151	Tapered Nozzle	Std	N/A	N/A	N/A
MIG1152	Spot Weld Nozzle	Opt	N/A	N/A	N/A
MIG1154	Nozzle Spring	Std	N/A	N/A	N/A
MIG1156	Diffuser	Std	N/A	N/A	N/A
MIG1603	Replacement Steel Liner	Std	Opt	Opt	Std
MIG1605	Standard Torch	Std	N/A	N/A	N/A
MIG1606	Aluminum Torch and Wire Kit	Opt	N/A	N/A	N/A
MIG160AK	Liner Kit for Aluminum Wire	Opt	Std	Std	Opt
MIG18523	.023" (0.6 mm) Contact Tip (10 pk)	N/A	Opt	Opt	Opt
MIG18530	.030" (0.8 mm) Contact Tip (10 pk)	N/A	Opt	Opt	Std
MIG18535	.035" (0.9 mm) Contact Tip (10 pk)	N/A	Opt	Opt	Opt
MIG18540	.040" (1.0 mm) Contact Tip (10 pk)	N/A	Opt	Opt	Opt
MIG18535AL	.035" (0.9 mm) Aluminum Contact Tip (10 pk)	N/A	Std	Std	Std
MIG18540AL	.040" (1.0 mm) Aluminum Contact Tip (10 pk)	N/A	Opt	Opt	Std
MIG1851	Nozzle	N/A	Std	Std	Std
MIG1854	Nozzle Support	N/A	Std	Std	Std
MIG1855	Steel MIG Torch	Opt	Opt	Opt	Std
MIG1856	Aluminum Torch Assembly	N/A	Std	Std	N/A
MIG1857	Gas Diffuser, Ceramic	N/A	Std	Std	Std
MIG1858	Nozzle Holder Insulator	N/A	Std	Std	Std
MIG1859	Torch Neck	N/A	Std	Std	Std
MIG225PP	Aluminum Push Pull Torch	N/A	N/A	N/A	Std
CKSM16039	Ground Cable	Std	Std	Std	N/A
CKS246272	Ground Cable	N/A	N/A	N/A	Std
MIG2257	Diffuser - MIG225PP	N/A	N/A	N/A	Std
MIG22530AL	.030" Contact Tip 10 pk - MIG225PP	N/A	N/A	N/A	Std
MIG22545AL	.045" Contact Tip 10 pk - MIG225PP	N/A	N/A	N/A	Std
MIG2251	Gas Nozzle - MIG225PP	N/A	N/A	N/A	Std
MIG2259	Neck Assembly - MIG225PP	N/A	N/A	N/A	Std
CKS3080903	.030" Wire Feed Roller - MIG225PP	N/A	N/A	N/A	Std
CKS3080919	.035" Wire Feed Roller - MIG225PP	N/A	N/A	N/A	Std
CKS3080904	.040" Wire Feed Roller - MIG225PP	N/A	N/A	N/A	Std
CKS3080921	.045" Wire Feed Roller - MIG225PP	N/A	N/A	N/A	Std
CKS3155647	Nut, Wire Feed Roller - MIG225PP	N/A	N/A	N/A	Std

Std = Standard
Opt = Optional
TECHNICAL SUPPORT: 800-ABC-WELD

Portable MIG Welder Parts and Consumables

Stock No.	Description	MIG125	MIG135
CKSGR115	Gas Regulator with Adaptor	Std	Std
MIG023	.023" Contact Tip	Std	Std
MIG030	.030" Contact Tip	Opt	Opt
MIG035	.035" Contact Tip	Opt	Opt
MIG1151	Tapered Nozzle	Std	Std
MIG1152	Spot Weld Nozzle	Opt	Opt
MIG1153	Steel Liner (Blue-Point®)	Std	Std
MIG1154	Nozzle Spring	Std	Std
MIG1155	9' Cable and MIG Welder Torch (Blue-Point®)	—	Std
MIG1156	Diffuser	Std	Std
MIG1157	Teflon® Liner (Blue-Point®)	Opt	Opt
CKS246272	Ground Cable	—	—

Stock No.	Description	MHG5A	MHG5B
CKSM5C62	Nozzle Cup	Std	Std
CKSM5NB	Nozzle Body	Std	Std
CKSM5B	Insulated Nozzle Bushing	Std	Std
CKSM35NA62	Nozzle Assembly	Std	Std
CKSM35D	Gas Diffuser	Std	Std
CKSMGT3510	Contact Tip	Std	Std
CKSMGT36410	Contact Tip (3/64) 10 ea.	Opt	Opt
CKSMGT3010	Contact Tip (.030) (10 ea)	Std	Std
CKS404335	Aluminum Wire (0.035) 1 lb	Std	Std
MIG1101	Tapered Nozzle (Blue-Point®)	—	—

Std = Standard
Opt = Optional
TECHNICAL SUPPORT: 800-ABC-WELD

Std = Standard
Opt = Optional
TECHNICAL SUPPORT: 800-ABC-WELD

TIG Pack/Parts and Consumables

Stock No.	Description	CKSTP2125	CKSTP2125A	FLEXTIG25	TIG130i	TIG150i	TIG255i
CKS3C1165	1/16" Collet (5 ea)	—	Opt	Std	Std	Std	Std
CKS3C3325	3/32" Collet (5 ea)	—	Std	Std	Std	Std	Std
CKS3C4185	1/8" Collet (5 ea)	—	Std	Opt	Std	Std	Std
CKS3CB3322	3/32" Collet Body (2 pk)	—	—	—	—	—	—
CKS3CB4182	1/8" Collet Body (2 ea)	Std	—	Opt	Std	Std	Std
CKS3A610	3/8" I.D. Cup (10 ea)	Std	—	Std	Std	Std	Std
CKS3A810	1/2" ID Cup (10 ea)	Std	—	Std	Std	Std	Std
CKS7T11610	1/16" Tungsten Electrode (10 ea)	Opt	—	Std	Std	Std	Std
CKS7T33210	3/32" Tungsten Electrode (10 ea)	Std	—	Std	Std	Std	Std
CKS7T41810	1/8" Tungsten Electrode (10 ea)	Std	—	Opt	Std	Std	Std
CKS3A710	7/16" I.D. Cup (10 ea)	Std	—	Std	Std	Std	Std
CKS300S	Short Back Cap	Std	—	Std	Std	Std	Std
CKS300L	Long Back Cap	Std	—	Std	Opt	Opt	Opt
CKSTIGSHARP	Chemical Tungsten Sharpener	—	Opt	Opt	Opt	Opt	Opt

Std = Standard
Opt = Optional
TECHNICAL SUPPORT: 800-ABC-WELD



Snap-on® TIG Welder Accessories and Consumables

Stock No.	Description	TIG130i	TIG150i	TIG255i
TIGINVFS	Remote Foot Switch	—	Std	Std
CKSGRFM	Flowmeter-Regulator	Std	Std	Std
TIG130GCA	Ground Cable Complete	Std	—	—
TIG150GCA	Ground Cable Complete	—	Std	—
TIG250GCA	Ground Cable Complete	—	—	Std
TIG130TA	Torch Assembly	Std	—	—
CKSKITTIG250	TIG Parts Kit	Std	Std	Std
TIGINVRAD	Clip On Torch Amperage Control	—	Opt	Opt
TIGINVFP	Remote Amperage Control	—	Opt	Opt
TIG250EH	Stick Electrode Holder	—	Opt	Opt
TIG250HC25	Leather Cable Cover	—	Opt	Opt
TB60	Tote Bag	Opt	—	—
TIG130EH	Stick Electrode Holder for TIG130i	Opt	—	—
TIG250FP	Remote Amperage Control	—	—	—

Std = Standard
Opt = Optional
TECHNICAL SUPPORT: 800-ABC-WELD



- Wear face shield and protective clothing while welding or cutting.
- Do not allow bystanders while welding or cutting.
- Read Safety Precautions on pages W1-W4

TIG WELDERS



TIG130i



TIG150i



TIG255i

Snap-on® TIG Welders

Common to TIG150i and TIG255i.

- **Welding Process Versatility:** select between AC TIG, DC TIG or Stick Electrode welding options
- **AC or DC TIG Functionality:** Choose between TIG modes for non-ferrous metals using AC TIG or for ferrous metals using DC TIG
- **Amperage Control:** fine adjustment range to weld extremely thin materials to maximum thicknesses
- TIG 2- or 4-stage continuous and pulse modes
- **AC Balance Adjustment:** penetration, balanced and cleaning
- Pulse and background amperage adjustments
- AC frequency adjustment
- Upslope/downslope as well as post as flow adjustment
- High-frequency/scratch starting modes

Specifications	TIG130i	TIG150i	TIG255i
Torch	Gas Cooled	Gas Cooled	Water Cooled
Input Voltage, V AC	115/230	208/230	208/230
Input Current, amps	15/20	30	30
Output Current, amps	10–110/10–130	5–150	5–220
Duty Cycle	60% @ 80 A/60% @ 90 A	60% @ 110 A	100% @ 160 A
Torch Length, feet	12	25	25
Ground Cable Length, feet (m)	12 (3.7)	25 (7.6)	25 (7.6)
Power Cord Length, feet	8	12	8
Shipping Weight, lb (kg)	17 (8)	57 (26)	180 (82)

TIG130i Portable TIG Welder

- Lightweight portable DC TIG welder is designed to join steel and stainless steel
- Amperage range of 10–130 amps for a variety of welding applications
- Dual voltage input capability of 115–230 V
- Suitable for use with power-generating equipment
- Comes complete with a power supply, torch, ground cable, regulator and tote bag

TIG150i TIG Welder

- Full-featured 150 A TIG welder that is ideal for everyday shop use

TIG255i TIG Welder

- Full-featured 255 A TIG welder with a water-cooled torch for longer weld times, cooler operation and enhanced dexterity
- Ideal for production welding environments

Welding Apparel
YA427B Welding Gloves (Blue-Point®)

- Help protect hands from sparks when welding
- Leather construction with added insulation for heat protection
- Reinforced palm for durability

YA4280 Welding Sleeves (Blue-Point®)

- Help protect arms from sparks when welding or cutting
- Elastic bands at each end of the sleeve
- Constructed of flame-retardant fabric

YA4282 TIG Welding Gloves (Blue-Point®)

- Ideal for TIG welding processes
- Pigskin material for precise control
- Help protect hands from heat and sparks
- Thick leather cuff for wrist protection

WELDJKTG Welding Jacket with Stripes (Large)
WELDJKTXLG Welding Jacket with Stripes (X-Large)
WELDJKTXXLG Welding Jacket with Stripes (XX-Large)

- Highly durable, lightweight, flame retardant material with dielectric snaps, high reach collar, and an extra inch around the waist for a premium fit
- Retains flame retardant properties for up to 50 home washings or 25 commercial washings
- High-quality tensile-strength cotton
- Constructed with a proprietary process to impregnate ink into fire-retardant materials for longevity
- Zip open sides allow you to shed excess body heat and provide easy access


YA427B

YA4280

YA4282

WELDJKTG

WELDGOGLEKT

WELDGOGLEKT1

WELDGOGLEKT2

WELDGOGLEKT4

WELDGOGLEKT3

WELDGOGLEKT5
Welding Goggles
WELDGOGLEKT Auto-Darkening Goggles Kit

- For MIG/TIG/ARC/plasma oxy cutting and grinding applications
- Ideal for confined workspace and mobile welding
- Bump cap for head protection
- Fire-retardant hood for protection
- Soft silicon-lined goggles for user comfort
- Detachable mask

WELDGOGLEKT1 Auto-Darkening Welding Goggles

- For MIG/TIG/ARC/plasma oxy cutting and grinding applications
- Ideal for confined workspace and mobile welding
- Soft silicon-lined goggles for user comfort
- For use with WELDGOGLEKT2 Fire-Retardant Hood, WELDGOGLEKT3 Bump Cap and WELDGOGLEKT5 Protective Shield

WELDGOGLEKT2 Fire-Retardant Hood

- Fire-retardant hood for protection during MIG/TIG/ARC/plasma oxy cutting and grinding applications
- Ideal for confined workspace and mobile welding

WELDGOGLEKT3 Bump Cap

- Bump cap for head protection during MIG/TIG/ARC/plasma oxy cutting and grinding applications

WELDGOGLEKT4 Auto-Filter Carry Bag

- Drawstring closure

WELDGOGLEKT5 Protective Shield

- Detachable mask for WELDGOGLEKT1
- For MIG/TIG/ARC/plasma oxy cutting and grinding applications
- Ideal for confined workspace and mobile welding



- Wear face shield and protective clothing while welding or cutting.
- Do not allow bystanders while welding or cutting.
- Follow all safety precautions for welding and cutting.
- Read Safety Precautions on pages W1-W4

PLASMA CUTTERS



PLASMA20i

PLASMA30i

PLASMA60i

Inverter-style Plasma Cutters

- Depth-of-cut adjustability—for applications such as panel removal around spot welds—adjusts cut-depth to the top layer of material without disturbing the base layer

Specifications	PLASMA20i	PLASMA30i	PLASMA60i
Output Current, amps	5–20	5–25	20–55
Cut Thickness, inches	1/4	3/8	3/4
Sever Thickness, inches	3/8	1/2	1
Primary Input, volts	115 V AC, 50/60 Hz	115 or 230 V AC, 50/60 Hz	208/230 V AC, 50/60 Hz
Primary Input, amps	20	30 A 115 V or 20 A 230 V	40 A
Duty Cycle Rating	100% @ 15 A	100% @ 19 A	100% @ 30 A
Air Supply Required	50 PSI @ 5 CFM	50 PSI @ 7 CFM	68 PSI @ 7 CFM
Torch Cable Length, feet (m)	12 (3.7)	12 (3.7)	18 (5.5)
Ground Cable Length, feet (m)	12 (3.7)	12 (3.7)	18 (5.5)
Net Weight, lb (kg)	22 (10)	29 (13)	44 (20)

PLASMA20i 20 A Plasma Arc Cutting Machine

- Perfect for the shop or on the jobsite, it features a small-yet-powerful package size that allows for portability in a variety of situations
- Ideal for cutting a variety of ferrous, non-ferrous and high-strength materials
- Cuts a maximum of 1/4" and will sever up to 3/8"
- Adjustable amperage range from 5–20 A provides the ability to minimize distortion on thinner materials
- For applications such as panel removal around spot welds—adjusts cut depth to the top layer of material without disturbing the base layer
- Accepts 115 V input power supply voltage at minimum current requirements
- Contains an air filter and pressure regulator to allow for either a compressed air or nitrogen air supply
- Technical support and service: 800-ABC-WELD

PLASMA30i Plasma Cutter

- Inverter technology features a small-yet-powerful package size that allows for portability in a variety of situations in the shop or on the jobsite
- Ideal for cutting a variety of ferrous, non-ferrous and high-strength materials
- Cuts a maximum of 3/8" and will sever up to 1/2"
- Adjustable amperage range—from 5–25 A—provides the ability to minimize distortion on thinner materials
- Depth-of-cut adjustability—for applications such as panel removal around spot welds—adjusts cut depth to the top layer of material without disturbing the base layer

- Material capability ideal for cutting a variety of ferrous, non-ferrous and high-strength material
- Pilot self-restart function provides the ability to cut perforated, grid or expanded metal applications
- Air supply system contains an air filter and pressure regulator to allow for either a compressed air or nitrogen air supply
- Protection LED warning system for low air pressure, high temperatures and system blockages
- Input voltage versatility automatically accepts 115 or 230 V input power supply voltages at minimum current requirements
- Ideal for automotive repair, collision repair, heavy-duty truck, farm and metal fabrication shops
- Comes complete with a power supply, torch assembly, ground cable and spare torch consumables
- Technical support and service: 800-ABC-WELD

PLASMA60i Plasma Cutter

- Cuts a maximum of 3/4" and severs up to 1"
- Depth-of-cut adjustability allows the top layer of material to be cut without disturbing the base layer
- Input voltage versatility accepts 208 V or 230 V input power supply at minimum current requirements
- Includes power supply, torch assembly, ground cable and spare torch consumables



PLASMA2304



PLASMA2305



PLASMA2308



PLASMA2504



PLASMA5005



PLASMA5004



PLASMA5001



PLASMA5003

Standard-Duty Plasma Cutter Consumables

Description	PLASMA115	PLASMA230	PLASMA25	PLASMA50	PLASMA20i	PLASMA30i	PLASMA60i
Complete Torch Assembly	PLASMA1153	PLASMA23010	PLASMA2503	PLASMA5007	PLASMA2007	PLASMA3007	PLASMA6007
Metal Diffuser	—	—	PLASMA5005*	PLASMA5005*	—	—	PLASMA5005*
Short Nozzle (1 mm), 30–35 A	PLASMA2301†	PLASMA2301†	—	—	—	—	—
Electrode	PLASMA1151†	PLASMA2305†	PLASMA5004†	PLASMA5004†	PLASMA2004†	PLASMA3004	PLASMA6004†
Long Electrode	PLASMA1152*	PLASMA2307†	—	—	—	—	—
Nozzle (0.7 mm)	—	—	—	—	PLASMA2002†	PLASMA3002†	—
Nozzle (1.1 mm), 55A	—	—	PLASMA5002†	PLASMA5002†	—	—	PLASMA6002†
Long Nozzle (0.9 mm), 35 A	PLASMA2308†	PLASMA2308†	—	—	—	—	—
Long Nozzle (1 mm), 35–50 A	PLASMA2302**	—	—	—	—	—	—
Nozzle Holder	PLASMA2304	PLASMA2304	PLASMA5001	PLASMA5001	PLASMA2001	PLASMA3001	PLASMA6001
Spacer Spring	—	PLASMA2309†	—	—	—	—	—
Swirl Ring	PLASMA23031	PLASMA23031	PLASMA5003*	PLASMA5003*	PLASMA2003*	PLASMA3003*	PLASMA6003*
Torch Head Body	—	PLASMA23011	PLASMA5006	PLASMA5006	PLASMA2006	PLASMA3006	PLASMA6006
Two Point Spacer	—	—	PLASMA2504	PLASMA2504	—	—	PLASMA6004

(1) each per package unless otherwise noted.

*(2) each per package

***(3) each per package

†(5) each per package

GAS WELDING

KRBC60T Welding Workstation

KRBC60T Welding Workstation Cart

- 3/8" steel-plate work surface
- Four dual-purpose mounting locations serve as accessory mounts and wand holder
- HD textured black matte finish
- Large locking compartment stores two welders
- Slots-N-Dots™ rear panel accommodates many accessories
- Three drawers with liners and high-quality roller bearing slides
- Three large cord hooks included; extra hook kits available
- 50-3/4" W x 25-3/4" D x 37-1/2" H
- 1,000 lb load capacity



KRBC60T

- Read and follow all safety precautions accompanying the product.
- Wear safety goggles.
- Store at a temperature below 120 °F.
- Dispose of butane in accordance with regulations.
- Do not open multiple drawers.
- Wear face shield and protective clothing while welding or cutting.
- Do not allow bystanders while welding or cutting.
- Read Safety Precautions on pages W1–W4



SOLDERING



YAKS221



YAKS226



YAKS1-1

Replacement Tips for YAKS32A Soldering Iron

Stock No.	Description	Size, inches (mm)
YAKS1-1 [†]	Single Flat Solder Tip	1/32 (1.0)
YAKS1-2 [†]	Single Flat Solder Tip	3/32 (2.4)
YAKS1-3 [†]	Single Flat Solder Tip	1/8 (3.2)
YAKS1-4 [†]	Single Flat Solder Tip	3/16 (4.8)
YAKS1-5 [†]	Double Flat Solder Tip	1/32 (1.0)
YAKS1-6 [†]	Double Flat Solder Tip	3/32 (2.4)
YAKS1-7 [†]	Double Flat Solder Tip	1/8 (3.2)
YAKS1-8 [†]	Double Flat Solder Tip	3/16 (4.8)
YAKS1-9 [†]	Hot Air Blower Tip	—
YAKS1-10 [†]	Hot Knife Tip	—
YAKS112	Hot Air Blower Deflector	—
YAKS113 [†]	Hot Air Blower and Deflector Tip	—



YAKS41

YAKS41[†] Butane Gas Soldering Iron Kit (25–75 W)

- Includes attachments for soldering and hot air
- All-in-one ignition switch with one-handed operation
- Smaller for access into tight areas
- Fuel adjustment knob, conveniently located in the back of handle, for quick temperature adjustment
- Quick-release connector allows for quick accessory tip changeover without waiting for the tip to cool
- Magnetic stand is integrated into the bottom of tool and allows for vertical storage on side of the toolbox
- Fuel gauge window on both sides of the handle
- Cap safely shuts off the unit and protects the tip from accidental contact
- Soldering tips are iron and nickel plated with ceramic-coated metal catalyst and finished with a solder dip
- Unique storage solution neatly holds the torch, solder tube and accessories
- Product is non-returnable and may contain Butane which can explode unexpectedly; dispose of Butane in accordance within local regulations

Replacement Tips for YAKS22A

Stock No.	Description	Size, inches (mm)
YAKS221 [†]	Single Flat Solder Tip	1/32 (1.0)
YAKS222 [†]	Single Flat Solder Tip	3/32 (2.4)
YAKS223 [†]	Single Flat Solder Tip	1/8 (3.2)
YAKS224 [†]	Single Flat Solder Tip	3/16 (4.8)
YAKS225 [†]	Double Flat Solder Tip	1/32 (1.0)
YAKS226 [†]	Double Flat Solder Tip	3/32 (2.4)
YAKS227 [†]	Double Flat Solder Tip	1/8 (3.2)
YAKS228 [†]	Double Flat Solder Tip	3/16 (4.8)
YAKS229 [†]	Hot Air Blower Tip	—
YAKS2210 [†]	Hot Knife Tip	—
YAKS2211	Hot Air Blower Deflector	—
YAKS2212 [†]	Flame Tip	—
YAKS2213 [†]	Hot Air Blower and Deflector Tip	—



YAKS3001



YAKS3002



YAKS3004

Butane Soldering Iron Kit (YAKS300)

Stock No.	Description	Size, inches (mm)
YAKS3001	Heating Element	—
YAKS3002	Fine Solder Tip	1/8 (3.2)
YAKS3004	Double Flat Solder Tip	3/16 (4.8)

Butane Soldering Iron Kit (YAKS41)

Set Contains:

YAKS41[†]*

Stock No.	Description	
YAS41-1 [†]	1/32", 1.0 mm SF Solder Tip	
YAS41-3 [†]	1/8", 3.2 mm SF Solder Tip	
YAS41-4 [†]	3/16", 4.8 mm SF Solder Tip	
YAS41-5 [†]	1/32", 1.0 mm DF Solder Tip	
YAS41-6 [†]	3/32", 2.4 mm DF Solder Tip	•
YAS41-7 [†]	1/8", 3.2 mm DF Solder Tip	
YAS41-8 [†]	3/16", 4.8 mm DF Solder Tip	•
YAS41-9 [†]	Hot Air Blower	•
YAS41-10 [†]	Hot Knife Tip	
YAS41-11 [†]	Heat Deflector	
YAS41-12 [†]	Quick Release Tip Connector	
YAS41-2 [†]	3/32", 2.4 mm SF Solder Tip	
YAS42-12	Solder Tray and Sponge	•
YAKS41-4PK [†]	Butane Soldering Kit (4 pk)	

Colors Available



* 0 G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Butane Soldering Iron Kit (YAKS42)

Set Contains:

YAKS42*

Stock No.	Description	
YAS42*	Soldering Iron and Cap	•
YAS42-1	Quick-Release Connector	•
YAS42-6‡	1/32" Double Flat Soldering Tip	•
YAS42-7‡	3/32" Double Flat Soldering Tip	•
YAS42-8‡	1/8" Double Flat Soldering Tip	•
YAS42-9‡	3/16" Double Flat Soldering Tip	•
YAS42-10‡	Hot Air Tip	•
YAS42-11	Plastic Welding Tip	•
YAS42-12	Solder Tray and Sponge	•
YAS42-13	Soldering Tube	•
YAS42-15	Storage Solution	•
YAS42-16	Universal Plastic Repair Rods (22 pack)	
YAS42-17	Brass Cleaning Brush	
YAS42-18	Cleaning Piston	
YAS42-19	Reinforcement Mesh	
YAS42-20	ABS Natural Plastic Repair Rods (22 pack)	
YAS42-21	ABS Plastic Repair Rods (22 pack)	
YAS42-22	Polypropylene Plastic Repair Rods (22 pack)	
YAS42-23	Polyethylene Plastic Repair Rods (22 pack)	
YAS42-24	Polystyrene Plastic Repair Rods (22 pack)	
YAS42-25	Universal Plastic Repair Rods (7 pack)	
YAS42-26‡	Hot Knife	•
YAS42-CMBPK‡	Assorted Plastic Repair Rods (132 each)	
YAS42-STRPK‡	Assorted Plastic Repair Rods (42 each)	
BUTANE15CSA‡	Butane Fuel (Blue-Point®)	


YAKS42
YAKS42* Butane Gas Soldering Iron Kit (25–130 W)

- Includes attachments for soldering, hot air, hot knife and plastic welding
- All-in-one ignition switch with one-handed ignition operation
- Includes special tips to cut and weld multiple plastic types
- Fuel adjustment knob, conveniently located in the back of handle, provides quick temperature adjustment
- Quick-release connector allows for fast changing of accessory tips without waiting for the tip to cool
- Magnetic stand, integrated into the bottom of tool, allows for vertical storage on side of the toolbox
- Fuel gauge window on both sides of the handle
- Cap safely shuts off the unit and protects the tip from accidental contact
- Soldering tips are iron and nickel plated with ceramic-coated metal catalyst and finished with a solder dip
- Unique storage solution neatly holds the torch, solder tube and accessories
- Product is non-returnable and may contain Butane which can explode unexpectedly; dispose of Butane in accordance within local regulations

Colors Available


* ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.


R460B
Guns
R460B‡ Heavy-Duty Soldering Gun Kit (Blue-Point®)

- Peak output of 200 watts for a variety of applications
- Built-in spotlight illuminates the work area
- Tip heats up in less than 10 seconds
- Balanced tool design for comfort and ease of use
- Soldering tips are designed to be changed with minimal effort
- Top of housing doubles as a convenient stand
- Includes blow molded storage case, soldering, smoothing and cutting tips
- UL® listed


R490
R490‡ Industrial Soldering Gun (Blue-Point®)

- Dual wattage elements: high wattage heats tip in seconds, lower wattage maintains rated tip temperature
- Effective tip temperature of 1,000 °F or more for heavy-duty, sustaining soldering
- Trigger-activated control is convenient, easy-to-use and provides instant response
- Built-in work light illuminates the work area
- Plug-in tip and element (TE) assemblies are plug-in units that can be changed within a minute
- Integral tool stand prevents heated part of the tool from damaging surrounding areas
- Plastic storage case
- UL® listed

R490400‡ Replacement Soldering Tip

- 150/400 W 1/4" replacement tip for the R490 Industrial Soldering Gun

R490500‡ Optional Soldering Tip

- 330/550 W 1/2" optional replacement tip for the R490 Industrial Soldering Gun


R490400

R490500

- Wear face shield and protective clothing while welding or soldering.
- Read and follow all safety precautions accompanying the product.
- Store at a temperature below 120 °F.
- Dispose of butane in accordance with regulations.

‡ These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1–P2 for details.
• Read Safety Precautions on pages W1–W4

WARNING


SOLDERING



R25A



R40B

Irons

R25A[†] Industrial Soldering Kit

- Lightweight 25 W pencil-style kit for fine soldering applications
- Threaded tips offer improved heat exchange
- Features a heat deflection shield, 4-3/4" long handle, 8-1/2" overall length and 8' power cord
- Includes pointed, chisel, fine tips, 1/2 oz of lead-free rosin core solder and holder
- UL[®] listed
- 120 V, 60 Hz

R40B[†] Industrial Soldering Kit

- 40 W soldering iron; ideal for large solder jobs like battery terminal cables or radiator repair
- Threaded tips offer improved heat exchange compared to set-screw types
- Features a heat deflection shield, 4-3/4" long handle, 8-1/2" overall length and 8' power cord
- Includes pointed, chisel, fine tips, 1/2 oz of lead-free rosin core solder and holder
- UL[®] listed
- 120 V, 60 Hz



TORCH2A



TORCH300



TORCH400

Colors Available



* Red O G
O G

ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

Butane Heating Torches

- One-hand design and operation for maximum flexibility
- Ultrasonically-welded gas tank in combination with robust burner head—made of stainless steel and ceramic materials—provides unmatched durability
- Ergonomic rubberized grip conforms to the hand
- Twin-spark ignition ensures that torch lights the first time, every time
- Powerful multi-directional flame can be utilized upside down and in windy conditions
- Self-venting filling valve for fast refueling

TORCH2A[†] Turbo Torch (Blue-Point[®])

- Piezo ignition system
- Instant 1,300 °C/2,400 °F micro flame
- Pocket size
- Internal fuel tank
- 20 minutes of continuous use per refilling
- Product is non-returnable. May contain Butane which can explode unexpectedly. Dispose of Butane in accordance within local regulations

TORCH300^{*} Butane Gas Torch

- Easily adjustable flame length—up to 3-1/2"
- Product is non-returnable and may contain Butane which can explode unexpectedly; dispose of Butane in accordance within local regulations

TORCH400^{*} High-Power Butane Gas Torch

- Easily adjustable flame length—up to 4-1/2"
- Product is non-returnable and may contain Butane which can explode unexpectedly; dispose of Butane in accordance within local regulations

Butane Fuel Cans

BUTANE15CSA[‡] Butane Fuel (Blue-Point®)

- Triple-filtered butane fuel for use with TORCH2A, TORCH3A, TORCH4 and TORCH6 mini torches; YAKS300, YAKS32A, YAKS42 and YAKS22A soldering irons; GLUEGUN3 and GLUEGUN4KT glue guns
- Universal filling tip can be used with most refillable butane products, as well
- Case of (24) 1.5 oz cans
- Product is non-returnable. May contain Butane which can explode unexpectedly. Dispose of Butane in accordance within local regulations



BUTANE15CSA

Tweezers

TZK5 5 pc Tweezers Set (Blue-Point®)

- Includes (5) tweezers in a vinyl zipper pouch
- All stainless steel construction
- Tweezers with sharp point, 4-1/2" long
- Self-closing tweezers with sharp point, 4-1/2" long
- Self-closing, heat-resistant flat nose, 7" long
- Sharp-point, pointed tip utility tweezers, 7" long



TZK5

TZK7 7 pc Tweezers Set (Blue-Point®)

- Includes (7) tweezers in a black vinyl zipper pouch
- All stainless steel construction
- Pointed tweezers, 4-3/8" long
- Curved-head utility tweezers, 6-3/4" long
- Self-closing, heat-resistant tweezers, 6" long
- Sharp, pointed utility tweezers, 7" long
- Side locking tweezers, 6" long
- Spade-point tweezers, 4-3/8" long
- Weighted solder tweezers, 6" long



TZK7

Soldering Clamps

SODC1[†] Soldering Clamp

- Makes soldering wires together easier; holds wires in place and into alignment accurately
- Thumbwheel allows for precise adjustment
- Compact design fits into tight spaces
- Holds wires in place without movement
- Lightweight aluminum will not tug on wires
- Quick "loading" and "unloading" of wire ends
- Wire gauge capacity 22-8 gauge



SODC1

Colors Available



* BLK ORG GRN
ADD SUFFIX TO STOCK NUMBER FOR SPECIAL COLORS.

SODC1-3[‡] Magnetic Holder for SODC1 Soldering Clamp

- Wear face shield and protective clothing while welding or soldering.
- Read and follow all safety precautions accompanying the product.
- Store at a temperature below 120 °F.
- Dispose of butane in accordance with regulations.

‡These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
• Read Safety Precautions on pages W1-W4



SOLDERING ACCESSORIES



Miniature Tools/Pliers

- Stainless steel, three-notch ratcheting mechanisms lock onto small objects with varying degrees of pressure
- Tips measure 1/16", long jaws measure 1-3/8"
- **MPK4A 4 pc Mini-Pliers Set (Blue-Point®)**
- MPC7A and MPC10A, plus MPS7A and MPS10A in a black zipper pouch
- **MPC7A Mini-Pliers (Blue-Point®)**
- Curved serrated jaws
- 7" long
- **MPC10A 10" Curved Jaw Mini-Pliers (Blue-Point®)**
- Curved serrated jaws
- 10" long
- **MPS7A Mini-Pliers (Blue-Point®)**
- Straight serrated jaws
- 7" long
- **MPS10A Mini-Pliers (Blue-Point®)**
- Straight serrated jaws
- 10" long

WELDING STORAGE



Welding Storage

KRBC60T Welding Workstation Cart

- 3/8" steel-plate work surface
- Four dual-purpose mounting locations serve as accessory mounts and wand holder
- HD textured black matte finish
- Large locking compartment stores two welders
- Slots-N-Dots™ rear panel accommodates many accessories
- Three drawers with liners and high-quality roller bearing slides
- Three large cord hooks included; extra hook kits available
- 50-3/4" W x 25-3/4" D x 37-1/2" H
- 1,000 lb load capacity

KRBC60TEXT[†] Welding Cart

Side Cabinet

- Mounts directly to the current KRBC60T Welding Cart
- Creates 50% additional steel work surface (500 in²)
- Slots-N-Dots™ rear and side panels for mounting additional accessories
- Cord slot in back for better organization of cords and plugs
- 25 x 15 x 25" storage compartment; perfect for adding a Plasma Cutter
- 4" drawer; 24.5 x 15.6 x 4.1" overall size



Welding Helmets, Auto-Darkening

Auto-darkening welding helmets are triggered automatically by UV light sources. Some models have adjustable sensitivity for various light conditions and an adjustable delay setting to maintain a dark state for extended periods of time. Fixed shade helmets offer a fixed #10 shade that is triggered automatically by UV light. Clear shade provides the operator visibility to line up work prior to welding.


EFPGREENSKL

EFPBLACKICE

EFP2MORBID

EFP2WFLAME

EFP2BSTRIFE

Specifications	EFPGREENSKL	EFPBLACKICE	EFP2MORBID	EFP2WFLAME [‡]	EFP2BSTRIFE [‡]
Shade	#9-13	#9-13	#9-13	#9-13	#9-13
Sensitivity	Yes	Yes	Yes	Yes	Yes
Delay	Yes	Yes	Yes	Yes	Yes
Clear Shade	4	4	4	4	4
Viewing Area, inches	3.62 x 1.42	3.62 x 1.42	3.82 x 2.36	3.94 x 2.36	3.94 x 2.36
Viewing Area, in ²	23	35.6	40	9.32	9.32
Number of Sensors	2	2	4	4	4
Delay Time(s)	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
Switching Speed, ms	.3	.3	.08	.08	.08
Power Supply	CR2450 Replaceable	CR2450 Replaceable	Lithium-Ion (auto on/off)	Lithium-Ion (auto on/off)	Lithium-Ion (auto on/off)
Applicable Standards	CE, CSA®, ANSI®	CE, CSA®, ANSI®	CE, CSA®, ANSI®	CE, CSA®, ANSI®	CE, CSA®, ANSI®
Optimal Magnifying Lens	1.0, 1.5, 2.0, 2.5	1.0, 1.5, 2.0, 2.5	1.0, 1.5, 2.0, 2.5	1.0, 1.5, 2.0, 2.5	1.0, 1.5, 2.0, 2.5
Warranty	2 Year (ADF) 1 Year (all others)	2 Year (ADF) 1 Year (all others)	2 Year (ADF) 1 Year (all others)	2 Year (ADF) 1 Year (all others)	2 Year (ADF) 1 Year (all others)


YA4601

YA4606

YA4608

YA4609

YA4610

YA4615

Welding Helmets, Auto-Darkening

Specifications	YA4601 [‡]	YA4606 [‡]	YA4608 [‡]	YA4609 [‡]	YA4610 [‡]	YA4615 [‡]
Shade	Auto-Darkening #9-13	Auto-Darkening 5-8/9-13	Auto-Darkening 5-8/9-13 Digital Controls	Auto-Darkening 5-8/9-13	Auto-Darkening #9-13 External Control	Auto-Darkening #9-13 External Control
Sensitivity	Adjustable	Adjustable Knob	Digital Adjustment	Adjustable Knob	Adjustable Knob	Adjustable Knob
Delay	Adjustable	Adjustable Knob	Digital Adjustment	Adjustable Knob	Adjustable Knob	Adjustable Knob
Clear Shade	#3.5	#3.5	#3.5	#3.5	#3.5	#3.5
Viewing Area, inches	3.81 x 2.40	3.74 x 3.35	3.82 x 2.44	3.74 x 3.35	3.86 x 1.73	3.86 x 1.73
Viewing Area, in ²	9.14	12.53	9.32	12.53	9.14	9.14
Number of Sensors	4	4	4	4	2	2
Delay Time(s)	0.2-1.0	0.1-1.0	0.1-1.0	0.1-1.0	0.1-1.0	0.1-1.0
Switching Speed, ms	0.04	—	—	—	—	—
Switching Speed, seconds	—	1/25,000	1/25,000	1/25,000	1/16,000	1/16,000
Power Supply	Solar-Lithium	Solar Cell, Battery, Replaceable (2 x CR2450 lithium batteries)	Solar Cell, Battery, Replaceable (1 x CR2450 lithium battery)	Solar Cell, Battery, Replaceable (1 x CR2450 lithium battery)	Solar Cell + Battery, Replaceable (2 x AAA Alkaline)	Solar Cell + Battery, Replaceable (2 x AAA Alkaline)
Opt. Magnifying Lens 1.5x/2.0x	YA4600MAGKT	YA4600MAGKT	YA4600MAGKT	YA4600MAGKT	YA4600MAGKT	YA4600MAGKT
Applicable Standards	ANSI®, CE, DIN, EN, CSA®, AS/NZS	ANSI®, CE, CSA®	ANSI®, CE, CSA®	ANSI®, CE, CSA®	ANSI®, CE, CSA®	ANSI®, CE, CSA®
Warranty	2 Year	2 Year	3 Year	2 Year	1 Year	1 Year

C€ - English Only

- Wear welding helmet and protective clothing while welding or cutting.
- Follow all safety precautions for welding and cutting.
- ‡ These products can expose you to chemicals which are known to the state of California to cause cancer and reproductive harm. See pages P1-P2 for details.
- Read Safety Precautions on pages W1-W4



WELDING HELMETS



YA4612



YA4617



WELDIGNPHNTM



WELDIGNSKULL

Welding Helmets, Auto-Darkening

Specifications	YA4612 [†]	YA4617 [†]	WELDIGNPHNTM [†]	WELDIGNSKULL [†]
Shade	Auto-Darkening 5–8/9–13	#9–13	Auto-Darkening 5–8/9–13	Auto-Darkening 5–8/9–13
Sensitivity	Adjustable Knob	Low–High, Adjustable Knob	Low/High, 5 Levels, Push Button	Low/High, 5 Levels, Push Button
Delay	Adjustable Knob	0.1–1.0 Seconds, Adjustable Knob	—	—
ADF Darkening Levels	5–8/9–13	9–13	8–13	8–13
ADF Viewing Area, inches	3.74 x 3.35	3.78 x 2.09	3.74 x 3.23	3.74 x 3.23
Clear Shade	#3.5	#3.5	#4.5	#4.5
Viewing Area, inches	3.74 x 3.35	3.75 x 2.05	—	—
Viewing Area, inches ²	12.53	7.69	34.08	34.08
Number of Sensors	4	4	4	4
Delay Time(s)	0.1–1.0	0.1–1.0 Seconds	0.1–1.0	0.1–1.0
Switching Speed, ms	—	0.4	0.04	0.04
Switching Speed, seconds	1/25,000	1/25,000	1/25,000	1/25,000
Power Supply	Solar Cell, Battery, Replaceable (1 x CR2450 lithium battery)	Solar Cell, Battery, Replaceable (CR2450 lithium battery)	Solar-Lithium with Battery Back-up	Solar-Lithium with Battery Back-up
Applicable Standards	ANSI®, CE, CSA® Approval	ANSI®, CE, CSA® UKCA Approval	ANSI®, CSA® Approval	ANSI®, CSA® Approval
Side Shade Viewing Area, inches	—	—	10's 4 x 2.75	10's 4 x 2.75
Opt. Magnifying Lens 1.0x	—	—	EFPADFCSTR10	EFPADFCSTR10
Opt. Magnifying Lens 1.5x	—	—	EFPADFCSTR15	EFPADFCSTR15
Opt. Magnifying Lens 1.5x/2.0x	YA4600MAGKT	YA4600MAGKT	—	—
Opt. Magnifying Lens 2.0x	—	—	EFPADFCSTR20	EFPADFCSTR20
Opt. Magnifying Lens 2.5x	—	—	EFPADFCSTR25	EFPADFCSTR25
Warranty	2 Year	1 Year	—	—

Welding Helmets, Fixed Shade

- Made of nylon material
- Helmet is much more flexible to get into tighter spaces
- Additional 1-1/4" of material on the top of the helmet for more coverage
- Cooler for the user as it will not heat up as much as an ABS version
- Lighter weight and much more resistant to heat



YA4614



YA4616

Specifications	YA4614 [†]	YA4616 [†]
Shade	Auto-Darkening 5–8/9–13	Auto-Darkening 5–8/9–13
Viewing Area, in ²	12.53	12.53
Applicable Standards	ANSI®, CE, CSA® Approval	ANSI®, CE, CSA® Approval
Optional Magnifying Lens 1.5x/2.0x	YA4600MAGKT	YA4600MAGKT
Clear Shade	#3.5	#3.5
Delay	Adjustable Knob	Adjustable Knob
Delay Time, Seconds	0.1–1.0	0.1–1.0
Grind Mode	Yes (External)	Yes (External)
Number of Sensors	4	4
Warranty	2	2
Power Supply	Solar Cell, Battery, Replaceable (1 x CR2450 lithium battery)	Solar Cell, Battery, Replaceable (1 x CR2450 lithium battery)
Sensitivity	Adjustable Knob	Adjustable Knob
Switching Speed, seconds	1/25,000	1/25,000

CE - English only