

ROUGHNECK  
HEAVY DUTY

The Uniweld Roughneck is a complete heavy duty oxy-fuel outfit for industrial & commercial applications including cutting, brazing, heating and welding.

CA43A CUTTING ATTACHMENT with its universal multi-gas head mixer for acetylene 3 PSIG and above and for most fuel gases 5 ounces and above. Cuts up to 1" with supplied tip.

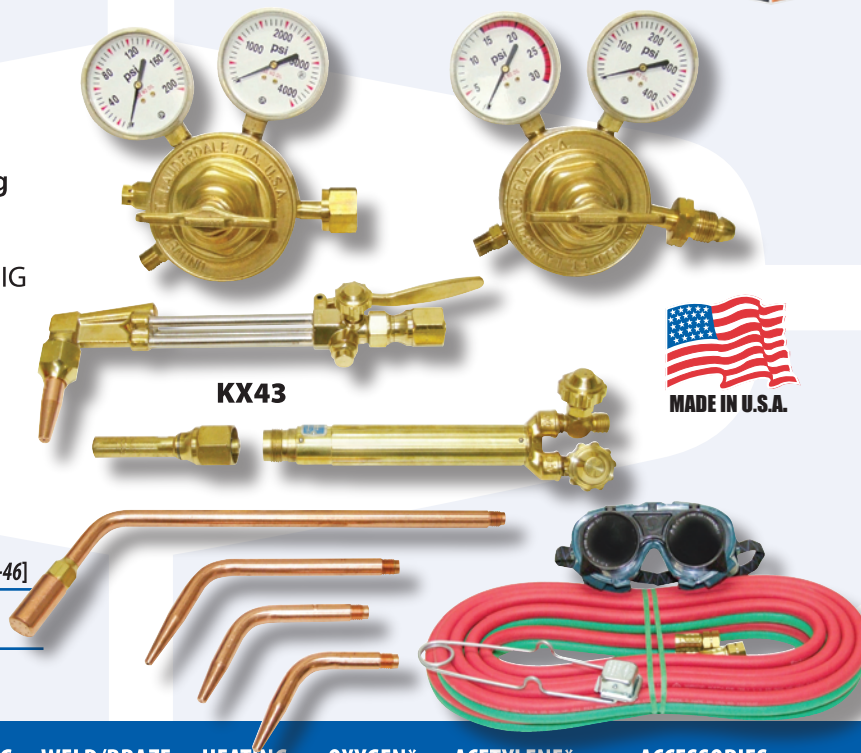
RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms and accessibility to the seat from the rear.

43L9 WELDING HANDLE with separate two tube silver brazed construction and ribbed outer handle, vented for safety.

Cutting Capacity: 1" with supplied tip; up to 8" with optional tips [See pgs. 43-46]

Welding Capacity: 1/8" with supplied tips; up to 1/2" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]



ROUGHNECK HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KX43 UPC# 83000	43L9E with UM43 Mixer	CA43A	6290A-1	TYPE79E -1, -3, -5	TYPE 7928E-6	RV8010 CGA540	RV8011 CGA510	TWIN HOSE 25' 1/4" "B" GOGGLES, LIGHTER
PART# KX43-4 UPC# 83002	43L9E with UM43 Mixer	CA43A	6290A-1	TYPE79E -1, -3, -5	TYPE 7928E-8	RV8010 CGA540	RV8011 CGA510	NO ACCESSORIES

ROUGHNECK OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS- ORDER BY ADDING (-1) TO END OF PART#

FABRICATOR  
HEAVY DUTY

The Uniweld Fabricator is a basic head mix heavy duty oxy-fuel outfit for cutting, welding, brazing and heating.

CA43A CUTTING ATTACHMENT with universal multi-gas head mixer and machine forged brass head and body. Cuts up to 8" with proper tip.

RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms & accessibility to the seat from the rear.

RUH82 SERIES with a tri-layered reinforced diaphragm and single scale 2" gauges

43L9 WELDING HANDLE features two tube silver brazed construction and ribbed outer handle, vented for safety.

Cutting Capacity: 8" with optional tips [See pgs. 43-46]

Welding Capacity: 1/2" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]



FABRICATOR HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	GAUGES	
PART# KV43A UPC# 83300	43L9	CA43A	RV8010 CGA540	RV8011 CGA510	2-1/2"	FABRICATOR OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS- ORDER BY ADDING (-1) TO END OF PART#
PART# KR43A UPC# 84200	43L9	CA43A	RUH8210 CGA540	RUH8211 CGA510	2"	

\*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]



# OUTFITS CUTTING & WELDING

**H-STYLE  
HEAD MIX**

## PROFESSIONAL HEAVY DUTY



The Uniweld Professional is a basic heavy duty oxy-fuel cutting outfit.

40 Series cutting torch has a precision machined forged body & head and durable three tube triangular construction.

40A Series cutting torch for medium pressure acetylene only 3 PSIG and up with proper tip.

40AF Series cutting torch for medium pressure fuel gas only 3 PSIG and up with proper tip.

RV\*\* or RUH83 SERIES REGULATORS with large, easy to read single scale 2-1/2" gauges.

Cutting Capacity: up to 12" with proper tip [See pgs. 43-46]



**KV40A-18**



Additional accessories are required

PROFESSIONAL HEAVY DUTY	HAND CUTTING TORCH	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	FUEL GAS* REGULATOR 2-40 PSIG
PART# KV40A-18 UPC# 83100	40A-18 90°	RV8010 CGA540	RV8011 CGA510	-
PART# KV40AF-18 UPC# 83102	40AF-18 90°	RV8010 CGA540	-	RV8012 CGA510

PROFESSIONAL HEAVY DUTY	HAND CUTTING TORCH	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	FUEL GAS* REGULATOR 2-40 PSIG
PART# KR40A-18 UPC# 83200	40A-18 90°	RUH8310 CGA540	RUH8311 CGA510	-
PART# KR40AF-18 UPC# 83201	40AF-18 90°	RUH8310 CGA540	-	RUH8312 CGA510

PROFESSIONAL OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

\*Dual scale gauges and other regulator connections available upon request. [See pgs. 97,98]

## ALL-AMERICAN HEAVY DUTY



The Uniweld All-American is a head mix oxy-fuel outfit for cutting, brazing and welding.

CA43A CUTTING ATTACHMENT with universal multi-gas head mixer and machine forged brass head and body. Cuts up to 8" with proper tip.

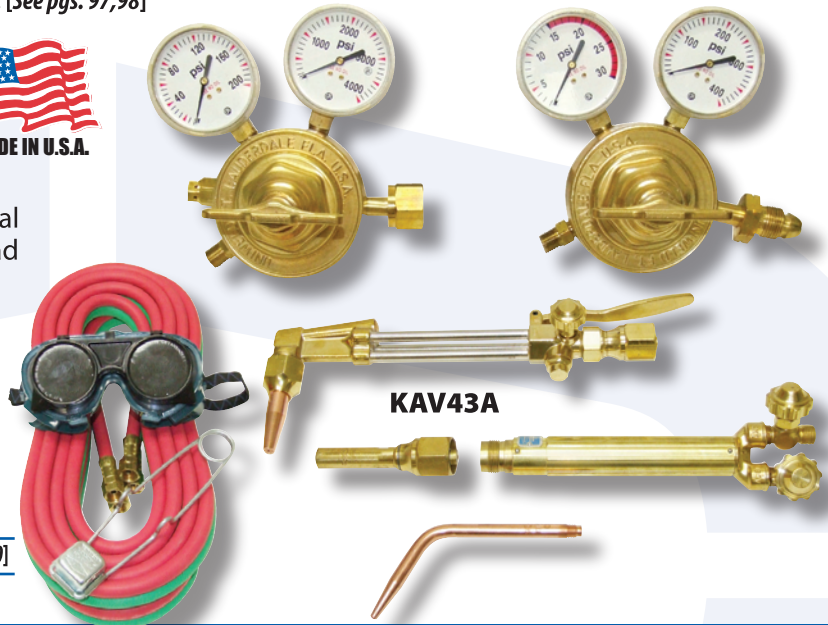
RV\*\* SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms and accessibility to the seat from the rear.

43L9 WELDING HANDLE with separate two tube silver brazed construction and ribbed outer handle, vented for safety.

Cutting Capacity: 1" with supplied tip; up to 8" with optional tips [See pgs. 43-46]

Welding Capacity: 1/16" with supplied tip; up to 1/2" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]



**KAV43A**

ALL-AMERICAN HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KAV43A UPC# 83004	43L9E	CA43A	6290A-1	TYPE 79E-3	RV8010 CGA540	RV8011 CGA510	TWIN HOSE 20' 1/4" "B" GOGGLES, LIGHTER
PART# KAV43A-4 UPC# 83006	43L9E	CA43A	6290A-1	TYPE 79E-3	RV8010 CGA540	RV8011 CGA510	NO ACCESSORIES

ALL-AMERICAN OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

\*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]



KAVP43A

## PROPANE KAVP43A HEAVY DUTY

The Uniweld heavy duty Propane outfit is used for cutting and brazing applications.

CA43A CUTTING ATTACHMENT with its universal multi-gas head mixer for most fuel gases 5 ounces and above. Cuts up to 1" with supplied tip.

RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms and accessibility to the seat from the rear.

43L9 WELDING HANDLE with silver brazed two tube construction and ribbed outer handle, vented for safety.

Cutting Capacity: 1" with supplied tip; up to 6" with optional tips [See pgs. 43-46]

Brazing Capacity: 1" with supplied tip; up to 3" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]

KARP43A

## PROPANE KARP43A HEAVY DUTY

The Uniweld medium duty Propane outfit is used for cutting and brazing applications.

CA43A CUTTING ATTACHMENT with universal multi-gas head mixer. Cuts up to 1" with supplied tip.

RUH83 SERIES REGULATORS with tri-layered, reinforced diaphragm and single scale 2-1/2" gauges.

43L9 WELDING HANDLE with silver brazed two tube construction and ribbed outer handle, vented for safety.

Cutting Capacity: 1" with supplied tip; up to 6" with optional tips [See pgs. 43-46]

Brazing Capacity: 1" with supplied tip; up to 3" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]

PROPANE HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-80 PSIG	FUEL GAS* REGULATOR 2-40 PSIG	ACCESSORIES
PART# KAVP43A UPC# 83400	43L9E with UM43 Mixer	CA43A	6290NX-1	TYPE 1279E-5	RV8010 CGA540	RV8012 CGA510	TWIN HOSE 20' 1/4" GRADE "T" "B" GOGGLES, LIGHTER
PART# KAVP43A-4 UPC# 83401	43L9E with UM43 Mixer	CA43A	6290NX-1	TYPE 1279E-5	RV8010 CGA540	RV8012 CGA510	NO ACCESSORIES
PROPANE MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-80 PSIG	FUEL GAS* REGULATOR 2-40 PSIG	ACCESSORIES
PART# KARP43A UPC# 84300	43L9E with UM43 Mixer	CA43A	6290NX-1	TYPE 1279E-5	RUH8310 CGA540	RUH8312 CGA510	TWIN HOSE 20' 1/4" GRADE "T" "B" GOGGLES, LIGHTER
PART# KARP43A-4 UPC# 84301	43L9E with UM43 Mixer	CA43A	6290NX-1	TYPE 1279E-5	RUH8310 CGA540	RUH8312 CGA510	NO ACCESSORIES

\*Dual scale gauges and other regulator connections available upon request. [See pgs. 97,98]



# OUTFITS CUTTING & WELDING

**H-STYLE  
HEAD MIX**

## ALL-AMERICAN HEAVY DUTY

The Uniweld heavy duty All-American is a head mix oxyacetylene, oxy-fuel outfit for cutting, brazing and welding.

**CA43A CUTTING ATTACHMENT**

with universal multi-gas head mixer.

Cuts up to 1" with supplied tip.

**RUH83 SERIES REGULATORS** with tri-layered reinforced diaphragm and single scale 2-1/2" gauges.

**43L9 WELDING HANDLE** can be used with acetylene and most fuel gases: Mapp®, Propane, Propylene and Natural Gas.

Cutting Capacity: 1" with supplied tip; up to 8" with optional tips [See pgs. 43-46]

Welding Capacity: 1/16" with supplied tip; up to 1/2" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]



**KAR43A**

### ALL-AMERICAN HEAVY DUTY

### WELDING HANDLE

### CUTTING ATTACHMENT

### CUTTING TIP

### WELD/BRAZE TIP

### OXYGEN\* REGULATOR 5-125 PSIG

### ACETYLENE\* REGULATOR 2-15 PSIG

### ACCESSORIES

PART# KAR43A  
UPC# 84000

43L9E with  
UM43 Mixer

CA43A

6290A-1

TYPE  
79E-3

RUH8310  
CGA540

RUH8311  
CGA510

TWIN HOSE 20' 1/4" "B"  
GOGGLES, LIGHTER

PART# KAR43A-4  
UPC# 84002

43L9E with  
UM43 Mixer

CA43A

6290A-1

TYPE  
79E-3

RUH8310  
CGA540

RUH8311  
CGA510

NO ACCESSORIES

ALL-AMERICAN OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

## ALL-TRADES MEDIUM DUTY

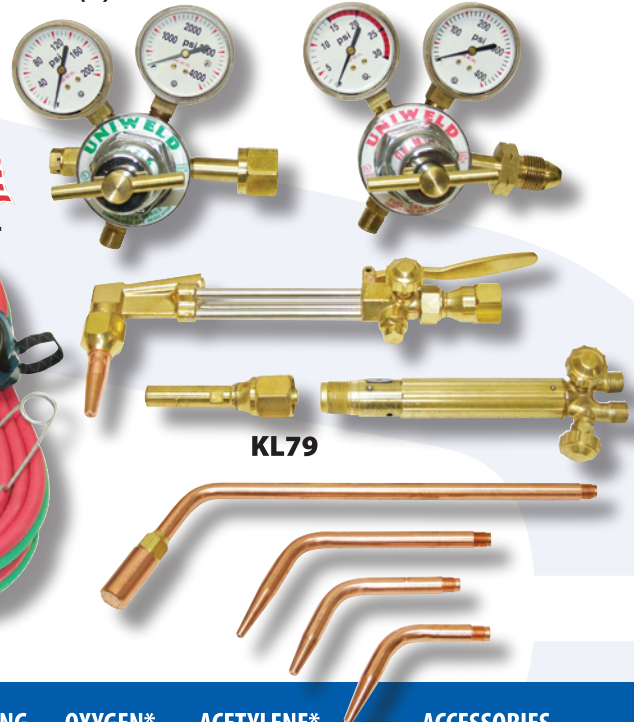
The Uniweld All-Trades is a complete head mix oxyacetylene, oxy-fuel outfit for cutting and welding (acetylene only), plus brazing & heating.

**CA79A CUTTING ATTACHMENT**

for use with Acetylene 3 PSIG and above **ONLY**.

**RUH82 SERIES REGULATORS** with a tri-layered reinforced diaphragm and single scale 2" gauges.

**WH79 WELDING HANDLE** can be used with acetylene and most fuel gases: Mapp®, Propane, Propylene and Natural Gas.



**KL79**

Cutting Capacity: 1" with supplied tip; up to 6" with optional tips [See pg. 43]

Welding Capacity: 1/8" with supplied tips; up to 1/2" with optional tips [See pgs. 47, 48]

Heating Tips: [See pgs. 47, 48]

### ALL-TRADES MEDIUM DUTY

### WELDING HANDLE

### CUTTING ATTACHMENT

### CUTTING TIP

### WELD/BRAZE TIPS

### HEATING TIP

### OXYGEN\* REGULATOR 5-125 PSIG

### ACETYLENE\* REGULATOR 2-15 PSIG

### ACCESSORIES

PART# KL79  
UPC# 84100

WH79 with  
UM79 Mixer

CA79A

6290A-1

TYPE 79E  
-1, -3, -5

TYPE  
7928E-4

RUH8210  
CGA540

RUH8211  
CGA510

TWIN HOSE 20' 3/16" "B"  
GOGGLES, LIGHTER

PART# KL79-4  
UPC# 84102

WH79 with  
UM79 Mixer

CA79A

6290A-1

TYPE 79E  
-1, -3, -5

TYPE  
7928E-4

RUH8210  
CGA540

RUH8211  
CGA510

NO ACCESSORIES

ALL-TRADES OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

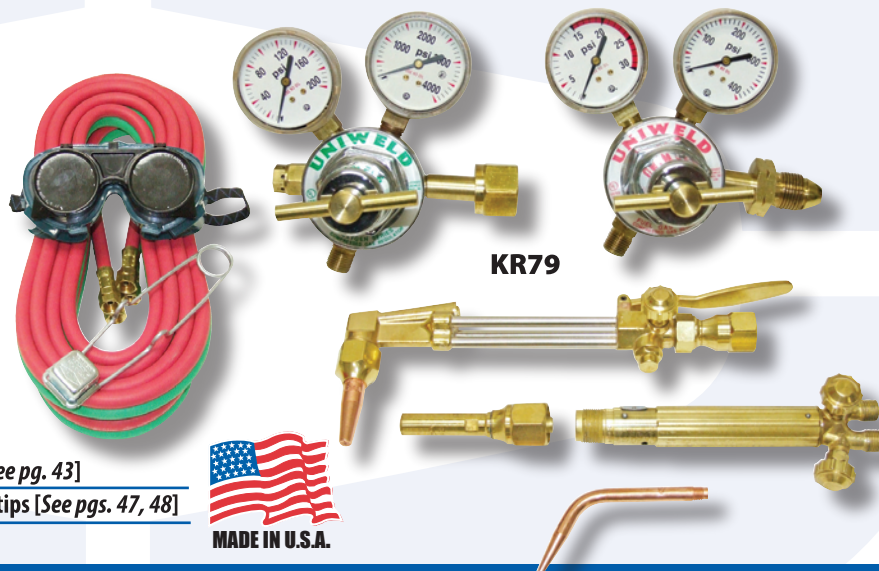
## ALL-AMERICAN MEDIUM DUTY

The Uniweld All-American is a complete oxy-fuel outfit for cutting, brazing and welding.

**CA79A CUTTING ATTACHMENT** is solely for use with Acetylene 3 PSIG and above. Cuts up to 1" with supplied tip.

**RUH82 SERIES REGULATORS** with a tri-layered reinforced diaphragm and single scale 2" gauges.

**WH79 WELDING HANDLE** with mixer can be used with acetylene and most fuel gases: Mapp®, Propane, Propylene and Natural Gas.



**Cutting Capacity:** 1" with supplied tip; up to 6" with optional tips [See pg. 43]

**Welding Capacity:** 1/16" with supplied tip; up to 1/2" with optional tips [See pgs. 47, 48]

**Heating Tips:** [See pgs. 47, 48]



ALL-AMERICAN MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KR79 UPC# 84104	WH79 with UM79 Mixer	CA79A	6290A-1	TYPE 79E-3	RUH8210 CGA540	RUH8211 CGA510	TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER
PART# KR79-4 UPC# 84106	WH79 with UM79 Mixer	CA79A	6290A-1	TYPE 79E-3	RUH8210 CGA540	RUH8211 CGA510	NO ACCESSORIES

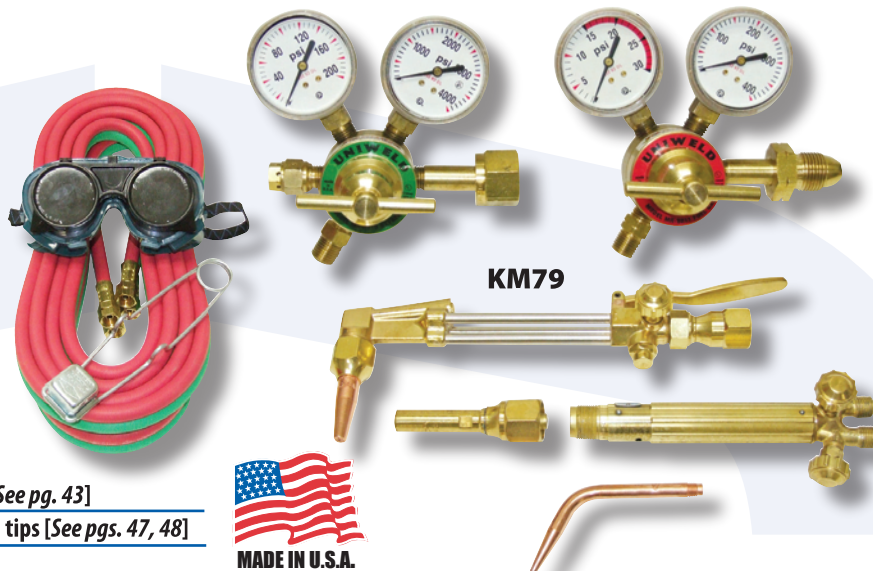
## ALL-AMERICAN MEDIUM DUTY

The Uniweld All-American is a basic oxy-fuel outfit for cutting, brazing and welding.

**CA79A CUTTING ATTACHMENT** is solely for use with Acetylene 3 PSIG and above. Cuts up to 1" with supplied tip.

**MR SERIES REGULATORS** with a cartridge type seat assembly and 2" single scale gauges

**WH79 WELDING HANDLE** can be used with acetylene and most fuel gases: Mapp®, Propane, Propylene and Natural Gas.



**Cutting Capacity:** 1" with supplied tip; up to 6" with optional tips [See pg. 43]

**Welding Capacity:** 1/16" with supplied tip; up to 1/2" with optional tips [See pgs. 47, 48]

**Heating Tips:** [See pgs. 47, 48]



ALL-AMERICAN MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-80 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ACCESSORIES
PART# KM79 UPC# 85000	WH79 with UM79 Mixer	CA79A	6290A-1	TYPE 79E-3	MR8210 CGA540	MR8211 CGA510	TWIN HOSE 20' 3/16" "B" GOGGLES, LIGHTER
PART# KM79-4 UPC# 85002	WH79 with UM79 Mixer	CA79A	6290A-1	TYPE 79E-3	MR8210 CGA540	MR8211 CGA510	NO ACCESSORIES

ALL-AMERICAN OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#

\*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]



# OUTFITS CUTTING & WELDING

H-STYLE  
HEAD MIX

## THE WURKS®-H MEDIUM DUTY

The Uniweld Wurks-H is a complete 12 piece, easy-to-operate, all-purpose outfit for cutting, welding and brazing that's packed in its own rugged Wurk Box with a compartmented accessory tray.



■ CA79A CUTTING ATTACHMENT [acetylene only] with precision forged brass head and body and injector mixer. Cuts up to 1" with supplied tip.

■ MR SERIES REGULATORS with large, easy to read single scale 2" gauges.

■ WH79 WELDING HANDLE with mixer can be used with acetylene and most fuel gases: Mapp®, Propane, Propylene and Natural Gas.

**Cutting Capacity:** 1" with supplied tip; up to 6" with optional tips [See pg. 43]

**Welding Capacity:** 3/64" with supplied tip; up to 1/2" with optional tips [See pgs. 47, 48]

**Heating Tips:** [See pgs. 47, 48]



**Look for this  
12 pack display  
at your local  
distributor**



**WURKS-H**

*Operating and Safety  
Instructions included.  
Oxygen and Fuel Gas  
Cylinders required.*

Use the Wurks-H for:

- Cutting most Steels
- Auto, Truck and Trailer Repair
- Plumbing and General Home Maintenance
- Building Metal Workstands

- Creating Metal Artwork
- Heating Metal Bars and Pipes for Bending
- Removing Rusty Nuts from Rusty Bolts
- Repairing Garden and Farm Tools

**WURKS-H OUTFITS AVAILABLE WITH CGA300 ACETYLENE REGULATORS - ORDER BY ADDING (-1) TO END OF PART#**

THE WURKS-H MEDIUM DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIP	OXYGEN* REGULATOR 5-80 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	TOOLBOX W/TRAY	ACCESSORIES†
PART# WURKS-H UPC# 85005	WH79 with UM79 Mixer	CA79A	6290A-1	TYPE 79E-2	MR8210 CGA540	MR8211 CGA510	BLACK PLASTIC	12.5' TWIN HOSE 3/16", "B"

†ACCESSORIES INCLUDE: GOGGLES, SHADE #5 [Pg. 105], FLINT LIGHTER [Pg. 105], TIP CLEANER SET [Pg. 106], LEATHER WELDING GLOVES [Pg. 105]

\*Dual scale gauges and other regulator connections  
available upon request. [See pgs. 97, 98]

ROLLIN' ROUGHNECK  
HEAVY DUTY

The Uniweld Rollin' Roughneck is the roughest, toughest most complete portable heavy duty oxy-acetylene welding and cutting system you'll ever find.

CA43A CUTTING ATTACHMENT with its universal multi-gas head mixer for acetylene [3 PSIG and above] and for most fuel gases 5 ounces and above. Cuts up to 1" with supplied tip.

RV SERIES REGULATORS have single scale 2-1/2" gauges, stainless steel diaphragms & accessibility to the seat from the rear.

43L9 WELDING HANDLE with separate silver brazed two tube construction and ribbed outer handle, vented for safety.

Cutting Capacity: 1" with supplied tip; up to 8" with optional tips [See pgs. 43-46]

Welding Capacity: 1/8" with supplied tips; up to 1/2" with optional tips [See pgs. 47-50]

Heating Tips: [See pgs. 47-50]



Part# 509  
[cart only]  
UPC# 30016

Part# 509FW  
[cart with firewall]  
UPC# 30019

83550



ROLLIN' ROUGHNECK HEAVY DUTY	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	ROLLIN' ROUGHNECK CART
PART# 83550 UPC# 83550	43L9E Includes UM43 Mixer	CA43A	6290A-1	TYPE 79E -1, -3, -5	TYPE 7928E-8	RV8010 CGA540	RV8011 CGA510	509 W/O CYLINDERS
PART# 83551 UPC# 83551	43L9E Includes UM43 Mixer	CA43A	6290A-1	TYPE 79E -1, -3, -5	TYPE 7928E-8	RV8010 CGA540	RV8011 CGA510	509FW† W/O CYLINDERS

ROLLIN' ROUGHNECK INCLUDES: 25' TWIN HOSE, 1/4" "B" FITTINGS [Pg. 103], GOGGLES SHADE #5 [Pg. 105], FLINT LIGHTER [Pg. 105], TORCH FLASHBACK ARRESTORS [Pg. 104] INSTALLED AND 18" STAINLESS STEEL PIGTAIL ASSEMBLY. † 509FW COMES WITH BUILT-IN FIREWALL

DA BOX®  
HEAVY DUTY

The Uniweld Da Box® is the perfect outfit to mount on your truck for maximum mobility and security. Add the desired braided stainless steel hose pigtails to complete Da Box® Outfit.



DABOX-H

## PIGTAILS

PART#	UPC#	LENGTH	DESCRIPTION
PT300-24	43601	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA300 Acetylene
PT300-36	43602	36"	
PT300-48	43603	48"	
PT510-24	43621	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA510 Acetylene or Propane
PT510-36	43622	36"	
PT510-48	43623	48"	
PT540-24	43631	24"	Flexible Stainless Steel Pigtail Assemblies with Brass Fittings CGA540, Oxygen, 3000 PSIG
PT540-36	43632	36"	
PT540-48	43633	48"	

ADDITIONAL PIGTAILS AVAILABLE ON REQUEST

DA BOX® HEAVY DUTY OUTFIT	WELDING HANDLE	CUTTING ATTACHMENT	CUTTING TIP	WELD/BRAZE TIPS	HEATING TIP	OXYGEN* REGULATOR 5-125 PSIG	ACETYLENE* REGULATOR 2-15 PSIG	DA BOX BOX
PART# DABOX-H UPC# 83500	43L9E with UM43 Mixer	CA43A	6290A-1	TYPE 79E -1, -3, -5	TYPE 7928E-8	RV8010 CGA540	RV8011 CGA510	DA-BOX

DA BOX-H INCLUDES: 25' TWIN HOSE, 1/4" "B" FITTINGS [Pg. 103], GOGGLES SHADE #5 [Pg. 105], FLINT LIGHTER [Pg. 105], CGA510 POL to CGA300 CA ADAPTOR [Pg. 97], REGULATOR FLASHBACK ARRESTOR INSTALLED [Pg. 104]

\*Dual scale gauges and other regulator connections available upon request. [See pgs. 97, 98]



# CUTTING ATTACHMENTS

**H-STYLE  
HEAD MIX**

**CA43A  
HEAD MIX**

INJECTOR HEAD MIXER WORKS  
EXTREMELY WELL WITH LOW  
PRESSURE ACETYLENE AND  
FUEL GAS AT 3 PSIG AND ABOVE

FORGED BRASS  
HEAD AND BODY

STAINLESS STEEL  
BALL POINT  
VALVE WITH  
TEFLON® PACKING

CONTOURED  
FORGED BRASS CUTTING  
OXYGEN LEVER

HAND TIGHT NUT WITH  
TWO O-RING SEALS

RIGID THREE  
TUBE TRIANGULAR  
SILVER BRAZED  
CONSTRUCTION

H STYLE TIP SEATING AREA  
2 FLAT SEATS

PUSHROD TYPE CUTTING  
OXYGEN VALVE THAT'S EASY  
TO USE AND REPAIR



**HEAD  
ANGLES**

**90°**

**70°**

**PART#  
UPC#**

**CA43A  
02201**

**CA43  
02200**

**CA79A  
02500**

**CA79  
02501**

**LENGTH**

**10-1/4"**

**10-1/4"**

**10-1/4"**

**10-1/4"**

**WEIGHT**

**26 OZ.**

**26 OZ.**

**26 OZ.**

**26 OZ.**

**HEAD ANGLE**

**90°**

**70°**

**90°**

**70°**

**CUTTING CAPACITY\***

**8" (ALL GASES)**

**8" (ALL GASES)**

**6" (ACETYLENE ONLY)**

**6" (ACETYLENE ONLY)**

**TIP SERIES**

**6290**

**6290**

**6290**

**6290**

**COMPATIBLE  
WELDING  
HANDLES**

**43L9  
w/o Mixer  
43L9E  
with UM43**

**43L9  
w/o Mixer  
43L9E  
with UM43**

**WH79-2  
w/o Mixer  
WH79  
with UM79**

**WH79-2  
w/o Mixer  
WH79  
with UM79**

**\*SEE PAGES 43-46 FOR ALL GASES CUTTING TIPS  
AND SPECIAL PURPOSE TIP SELECTION**

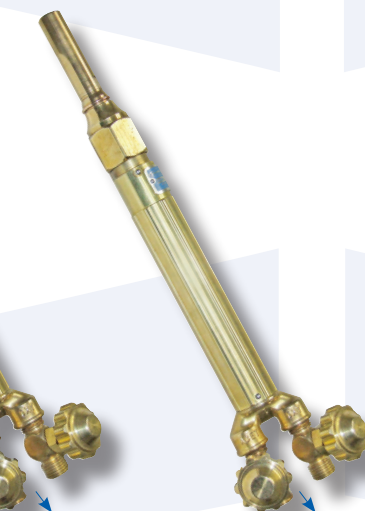
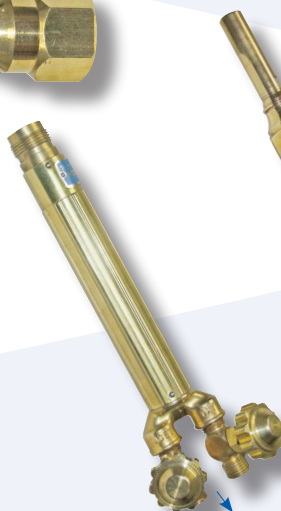
**43L9**

FORGED BRASS  
REAR TORCH AND  
VALVE BODIES

TWO SILVER  
BRAZED TUBES  
INSIDE A VENTED  
BRASS HANDLE

RIBBED  
BRASS HANDLE

STAINLESS STEEL BALL  
POINT VALVES WITH  
TEFLON® PACKING

**UM43**  
MIXER**UM79**  
MIXER

PART#	43L9 w/o Mixer 00250	43L9E w/UM43 Mixer 00251	WH79-2 w/o Mixer 00451	WH79 w/UM79 Mixer 00450
UPC#				
LENGTH	8-1/4"	11-1/2"	7-1/2"	10"
WEIGHT	17 OZ.	23 OZ.	13 OZ.	18 OZ.
HOSE CONNECTION	"B" 9/16"-18 THREAD			
WELDING CAPACITY*	1/2"	1/2"	1/2"	1/2"
COMPATIBLE CUTTING ATTACHMENTS	CA43A(90°) CA43(70°)	CA43A(90°) CA43(70°)	CA79A(90°) CA79(70°)	CA79A(90°) CA79(70°)

\*SEE PAGES 47-50 FOR WELDING, BRAZING, HEATING TIPS and MIXER INFORMATION.



# TORCHES HAND CUTTING

**H-STYLE  
HEAD MIX**

**40A-21  
HEAD MIX**

CNC PRECISION  
MACHINED  
FORGED BRASS HEAD

INJECTOR HEAD MIXER  
FOR ACETYLENE (40A, 40, 40B)  
FOR FUEL GAS (40AF, 40F, 40BF)  
FOR NATURAL GAS (40N, 40AN)

RIGID TRIANGULAR  
THREE TUBE  
SILVER BRAZED  
CONSTRUCTION

PUSHROD TYPE CUTTING  
OXYGEN VALVE DESIGNED  
FOR EASE OF SERVICE  
AND REPAIR

CONTOURED FORGED  
BRASS CUTTING LEVER

STAINLESS STEEL BALL POINT  
VALVES WITH TEFLON® PACKING  
PROMOTES DURABILITY AND  
POSITIVE SHUT-OFF

FIELD  
REPLACEABLE  
EXTERNAL  
CHECK VALVES

TYPE-H  
2 FLAT SEATS



**HEAD  
ANGLES**



90°



70°



180°

HEAD ANGLE	PART#	40A-18	40AF-18	40AN-18	40A-21	40AF-21	40AN-21	40A-36	40AF-36	40A-48	40AF-48
90°	UPC#	04801	04806	04851	04811	04816	04856	04821	04826	04831	04836
HEAD ANGLE	PART#	40-18	40F-18	40N-18	40-21	40F-21	40N-21	40-36	40F-36	40-48	40F-48
70°	UPC#	04800	04805	04850	04810	04815	04855	04820	04825	04830	04835
HEAD ANGLE	PART#	40B-18	40BF-18	-	40B-21	40BF-21	-	40B-36	40BF-36	40B-48	40BF-48
180°	UPC#	04802	04807		04812	04817		04822	04827	04832	04837
TORCH LENGTH		18"	18"	18"	21"	21"	21"	36"	36"	48"	48"
WEIGHT		55 OZ.	55 OZ.	55 OZ.	59 OZ.	59 OZ.	59 OZ.	74 OZ.	74 OZ.	76 OZ.	76 OZ.
LEVER POSITION		BOTTOM REAR									
CUTTING CAPACITY*		12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
TIP SERIES		6290	6290	6290	6290	6290	6290	6290	6290	6290	6290

\*SEE PAGES 43-46 FOR CUTTING TIPS and SPECIAL PURPOSE TIP SELECTION

62 & 62F SERIES  
HEAD MIXHEAVY DUTY BRASS  
STANDARD 1-3/8" BARRELFOUR POSITION RACK  
ADJUSTMENT 90° APARTQUICK  
OPENING  
VALVEPRECISION  
REAMED  
SEATS

62-TRL

62-6

62-6TRV

STAINLESS STEEL BALL  
POINT PREHEAT VALVESCAM  
ACTION  
VALVE

The Uniweld adjustable head Bevel Cutting Adaptor with calibrated dial lets you set angles from 0° to 90° to cut bevels without tilting the Machine Torch. Use with optional Preheat Adaptor: **#6200BA** Part# **15AR** (acetylene), **15PR** (propane)

#6200BA

## 62 SERIES FOR ACETYLENE ONLY

PART# UPC#	62-6 04902	62 04906	62-6R 04903	62-R 04907
BARREL LENGTH	6"	10"	6"	10"
TWO HOSE WITH CAM ACTION OXYGEN CUTTING VALVE	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"
CUTTING CAPACITY*	8"	8"	8"	8"

PART# UPC#	62-T 04908	62-TL 04910	62-6TR 04905	62-TR 04909	62-TRL 04911
BARREL LENGTH	10"	18"	6"	10"	18"
THREE HOSE WITH QUICK OPENING OXYGEN VALVE	YES	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"	17"
CUTTING CAPACITY*	12"	12"	12"	12"	12"

PART# UPC#	62-6TV 04900	62-6TRV 04901
BARREL LENGTH	6"	6"
THREE HOSE VALVELESS	YES	YES
RACKING LENGTH	N/A	5"
CUTTING CAPACITY*	12"	12"

## 62F SERIES FOR FUEL GAS ONLY

PART# UPC#	62F-6 04914	62F 04917	62F-6R 04915	62F-R 04918
BARREL LENGTH	6"	10"	6"	10"
TWO HOSE WITH CAM ACTION OXYGEN CUTTING VALVE	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"
CUTTING CAPACITY*	8"	8"	8"	8"

PART# UPC#	62F-T 04919	62F-TL 04921	62F-6TR 04916	62F-TR 04920	62F-TRL 04922
BARREL LENGTH	10"	18"	6"	10"	18"
THREE HOSE WITH QUICK OPENING OXYGEN VALVE	YES	YES	YES	YES	YES
RACKING LENGTH	N/A	N/A	5"	9"	17"
CUTTING CAPACITY*	12"	12"	12"	12"	12"

PART# UPC#	62F-6TV 04912	62F-6TRV 04913
BARREL LENGTH	6"	6"
THREE HOSE VALVELESS	YES	YES
RACKING LENGTH	N/A	5"
CUTTING CAPACITY*	12"	12"

Hose connections: "B" 9/16"-18. Racks [R] supplied with standard 32 pitch (10.12 teeth/inch). 24 pitch (7.65 teeth/inch) available on request.



\*SEE PAGES 43-46 FOR CUTTING TIPS  
AND SPECIAL PURPOSE TIP SELECTION.







# TIPS CUTTING & HEATING



H-STYLE

ACETYLENE

USE WITH SERIES			APPLICATION	TIP STYLE ONE PIECE				
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	ACETYLENE PSIG
CA43, CA43A CA79	40	62 SERIES	GENERAL PURPOSE CUTTING MACHINE CUTTING	6290A-000	3/16"	68	15/30	5/15
 <b>6290A [ONE PIECE]</b> 				6290A-00	3/8"	64	20/30	5/15
				6290A-0	5/8"	60	30/40	5/15
				6290A-1	1"	56	35/50	5/15
				6290A-2	2"	52	40/55	5/15
				6290A-3	3"	48	45/60	5/15
				6290A-4	6"	42	50/75	5/15
				6290A-5	8"	35	65/80	5/15
				6290A-6	12"	30	70/90	5/15

USE WITH SERIES			APPLICATION	TIP STYLE ONE PIECE				
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	ACETYLENE PSIG
CA43, CA43A CA79	40	62 SERIES	SCRAP CUTTING BEVELING	6290S-1	1"	56	35/50	5/15
 <b>6290S [ONE PIECE]</b> 				6290S-2	2"	51	40/55	5/15
				6290S-3	3"	48	45/60	5/15
				6290S-4	6"	42	50/75	5/15
				6290S-5	8"	35	65/80	5/15
				6290S-6	12"	30	70/90	5/15

USE WITH SERIES			APPLICATION	TIP STYLE ONE PIECE			
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	GOUGING WIDTHS	CUTTING OXYGEN PSIG	ACETYLENE PSIG
CA43, CA43A CA79	40	62 SERIES	GOUGING	6290G-1	1/8" - 1/4"	35	5/15
 <b>6290G [ONE PIECE]</b> 				6290G-2	3/16" - 3/8"	50	5/15
				6290G-3	1/4" - 1/2"	50	5/15
				<b>TECH TIP</b> The oxygen fuel gas-cutting torch can be used for gouging. Special gouging tips are available and they should be selected based on the particular geometry of joint preparation. It is possible, by closely watching the cut surface, to find and follow cracks during the flame gouging operation. The edges of the cracks will show since they become slightly hotter.			

USE WITH SERIES			APPLICATION	TIP STYLE SPECIALTY HEATING ASSEMBLY			
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES		PART #	SPECIALTY HEATING TIP TURNS A HAND CUTTING TORCH INTO A MULTI FLAME HEATING TIP	PREHEAT OXYGEN PSIG	ACETYLENE PSIG
CA43, CA43A CA79	40	N/A	MULTI-FLAME HEATING	6290HA-1	 <b>6290HA [ONE PIECE]</b> 	12	12
<b>TECH TIP</b> A multi-flame heating tip (Rosebud) is designed for uniform heating with acetylene.				6290HA-2		14	14

NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.

## NATURAL GAS/PROPANE/PROPYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA43, CA43A 40F N/A GOUGING



6290GG [TWO PIECE]



TIP STYLE		TWO PIECE				
PART #	GOUGING WIDTHS	CUTTING OXYGEN		FUEL GAS		SPEED I.P.M.
		PSIG	SCFH	PSIG	SCFH	

6290GG-1	1/8"- 1/4"	25/30	45/55	5	8/10	20/24
6290GG-2	3/16"- 3/8"	30/35	50/55	5	8/10	18/22
6290GG-3	1/4"- 1/2"	30/35	70/80	6	10/12	15/20

## TECH TIP

Before lighting tip, purge all hoses and torch passages by briefly opening and closing each torch valve. Vent gases safely. NOTE: mixed gases in the torch or the hose, etc. can cause a backfire or flashback. Purging must be done before each torch lighting and especially after a cylinder change.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA43, CA43A 40F 62F SERIES



6290NFF [TWO PIECE]



TIP STYLE		TWO PIECE		
PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN	
			PSIG	FUEL GAS PSIG

6290NFF-00	1/4"	67	20/25	5/15
6290NFF-0	3/8"	60	30/35	5/15
6290NFF-1	5/8"	56	20/35	5/15
6290NFF-2	2"	53	30/55	5/15
6290NFF-3	4"	47	45/65	5/15
6290NFF-4	7"	42	55/75	5/15
6290NFF-5	10"	35	60/80	5/15
6290NFF-6	12"	31	80/90	5/15

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA43, CA43A 40F N/A



6290NFW [TWO PIECE]

RIVET WASHING  
REMOVING WELDS

TIP STYLE		TWO PIECE	
PART #	CUT OXY DRILL SIZE	CUTTING OXYGEN	
		PSIG	FUEL GAS PSIG

6290NFW-8	60	50	5-15
-----------	----	----	------

## TECH TIP

Rivets can be easily removed by "washing" one head off with an acetylene torch. Next, a hole is burned along the rivet longitudinal axis. Then, while still hot, the rivet can be driven out with a pin punch and a two-pound hammer. This process completely removes the rivet and leaves a clean hole in original condition.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA43, CA43A 40F 62F SERIES



6290NH [TWO PIECE]

MACHINE CUTTING  
HEAVY PLATE CUTTING

TIP STYLE		TWO PIECE		
PART #	CUT METAL THICKNESS	CUTTING OXYGEN		FUEL GAS PSIG
		PSIG	SCFH	

6290NH-5	10"	60	22/26	5-15
6290NH-6	11"	60	45/55	5-15
6290NH-7	12"	60	50/55	5-15
6290NH-8	15"	60	70/80	5-15

## TECH TIP

Oxy-fuel gas cutting machines are either portable or stationary. Portable cutting machines are primarily used for straight line cutting. They can carry one or more heavy-duty machine torches.



# TIPS CUTTING

H-STYLE

## NATURAL GAS/PROPANE/PROPYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA43, CA43A

40F

62F  
SERIES

GENERAL  
PURPOSE  
CUTTING

MACHINE  
CUTTING



**6290NX**  
[TWO PIECE]



### TIP STYLE

### TWO PIECE

PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	FUEL GAS PSIG
6290NX-000	3/16"	68	15/30	5/15
6290NX-00	3/8"	64	20/30	5/15
6290NX-0	5/8"	60	30/40	5/15
6290NX-1	1"	56	35/50	5/15
6290NX-2	2"	52	40/55	5/15
6290NX-3	3"	48	45/60	5/15
6290NX-4	6"	42	50/75	5/15
6290NX-5	8"	35	65/80	5/15
6290NX-6	12"	30	70/90	5/15

**TECH TIP**

When oxy-fuel cutting, the metal is heated until it glows orange ~( $1800^{\circ}\text{F} = 982^{\circ}\text{C}$ ), and then a lever on the torch is pressed to pass a stream of oxygen through the work-piece to burn the steel away where the cut is desired. The iron-oxide product of this combustion process falls to the floor as dust. Once the process is started properly, there should be no globs of melted steel under the work-piece. No melting should occur.

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

N/A

N/A

62F  
SERIES

HIGH SPEED  
MACHINE  
CUTTING  
WITH  
SPECIAL  
CUTTING  
ORIFICE



**6290VVC**  
[TWO PIECE]



### TIP STYLE

### TWO PIECE

PART #	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	FUEL GAS PSIG	KERF WIDTH
6290VVC-5/0	3/16"	75	40	5/15	.05
6290VVC-4/0	1/4"	68	50	5/15	.06
6290VVC-3/0	3/8"	64	75	5/15	.07
6290VVC-2/0	1/2"	62	75	5/15	.07
6290VVC-0	3/4"	59	90	5/15	.08
6290VVC-0-1/2	1-1/4"	57	100	5/15	.08
6290VVC-1	2-1/2"	56	100	5/15	.09
6290VVC-1-1/2	3"	54	100	5/15	.11
6290VVC-2	5"	53	100	5/15	.12
6290VVC-2-1/2	6"	51	100	5/15	.13
6290VVC-3	7"	49	100	5/15	.14
6290VVC-4	8"	45	100	5/15	.16
6290VVC-5	9"	41	90	5/15	.20
6290VVC-5-1/2	10"	40	90	5/15	.25

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA43, CA43A



**H62-P**  
[TWO PIECE]



### TIP STYLE

### SPECIALTY HEATING ASSEMBLY TWO PIECE

PART #	SPECIALTY HEATING TIP TURNS A HAND CUTTING TORCH INTO A MULTI FLAME HEATING TIP	OXYGEN PSIG	FUEL GAS PSIG
H62-P1		45	5/15
H62-P2		50	5/15
H62-P3		55	5/15

**TECH TIP**

Flame heating involves igniting fuel gases mixed with air or oxygen. Examples include flame straightening, flame hardening, hot forming and heating in conjunction with welding. The flame is used for melting purposes in flame brazing. Acetylene, propane, propylene and natural gas are used as fuel gases for flame heating. The flame temperature and intensity depend on the fuel gases used and oxygen mixing ratio.

NOTE: TO ORDER TIP ON DISPLAY CARD, ADD (-D) TO PART NUMBER.

## MAPP®/PROPYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

CA43  
CA43A

40F

62F  
SERIES

SCRAP  
AND BEVEL  
CUTTING



**6290NXPM  
[TWO PIECE]**



TIP STYLE		TWO PIECE			
PART #	TIP SIZE	CUT METAL THICKNESS	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	FUEL GAS PSIG
6290NXPM-68	000	3/16"	68	15/30	5/15
6290NXPM-64	00	3/8"	64	20/30	5/15
6290NXPM-60	0	5/8"	60	30/40	5/15
6290NXPM-56	1	1"	56	35/50	5/15
6290NXPM-52	2	2"	52	40/55	5/15
6290NXPM-48	3	3"	48	45/60	5/15
6290NXPM-42	4	6"	42	50/75	5/15
6290NXPM-35	5	8"	35	65/80	5/15

## TECH TIP

Beveling allows a full-penetration weld (if required). It gives the torch tip access to deep-lying base metal, prepares a well-defined, uniform container for molten metal and ensures quality welds. Bevel angles and root openings are essential for adequate weld penetration in thick plates or pipes. The joint design must specify all relevant dimensions and angles. The joint design and root opening specification are both part of the weld procedure.

## LIQUID AIR® FUEL GAS/MAPP®/PROPYLENE

USE WITH SERIES			APPLICATION
CUTTING ATTACHMENT	HAND CUTTING TORCHES	MACHINE CUTTING TORCHES	

N/A

N/A

62F  
SERIES

HIGH SPEED  
MACHINE  
CUTTING  
WITH  
SPECIAL  
CUTTING  
ORIFICE



**6290VVCMM  
[TWO PIECE]**



TIP STYLE		TWO PIECE			
PART #	CUT METAL THICK.	CUT OXY DRILL SIZE	CUTTING OXYGEN PSIG	FUEL GAS PSIG	KERF WIDTH
6290VVCMM-5/0	3/16"	75	40	5/15	.05
6290VVCMM-4/0	1/4"	68	50	5/15	.06
6290VVCMM-3/0	3/8"	64	75	5/15	.07
6290VVCMM-00	1/2"	62	75	5/15	.07
6290VVCMM-0	3/4"	59	90	5/15	.08
6290VVCMM-0-1/2	1-1/4"	57	100	5/15	.08
6290VVCMM-1	2-1/2"	56	100	5/15	.09
6290VVCMM-1-1/2	3"	54	100	5/15	.11
6290VVCMM-2	5"	53	100	5/15	.12
6290VVCMM-2-1/2	6"	51	100	5/15	.13
6290VVCMM-3	7"	49	100	5/15	.14
6290VVCMM-4	8"	45	100	5/15	.16
6290VVCMM-5	9"	41	90	5/15	.20
6290VVCMM-5-1/2	9-1/2"	40	90	5/15	.25



## TECH TIP

Cutting is initiated by heating the edge of the steel to near melting point using the pre-heat jets only, then using the separate cutting oxygen valve to release the oxygen from the central jet. The steel is instantly oxidized into molten iron oxide, producing the cut. Robotic oxy-fuel cutters sometimes use a high-speed divergent nozzle. This uses an oxygen jet that opens slightly along its passage. This allows the compressed oxygen to expand as it leaves, forming a high-velocity jet that spreads less than a parallel-bore nozzle, allowing a cleaner cut. These are not used for cutting by hand since they need very accurate positioning above the work. Their ability to produce almost any shape from large steel plates gives them a secure future in shipbuilding and in many other industries.



### ELBOW/MIXER COMPONENTS

TYPE79E  
ELBOW

60°  
ANGLE

**NOTE:** For Mapp®, Propane or Natural Gas, use one size larger tip for heating, brazing and soldering.

UM79  
MIXER

USE WITH  
WH79  
HANDLE

UM43  
MIXER

USE WITH  
43L9  
HANDLE

## OXYACETYLENE/HYDROGEN

APPLICATION  
WELDING  
HEATING  
BRAZING  
SOLDERING

(23A90)

79E



TIP TYPE	ELBOW ONLY PART#	MIXER FOR 43L9 HANDLE	MIXER FOR WH79 HANDLE	ELBOW TO MIXER THREAD SPEC	WELD METAL THICKNESS	OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)	FLOW (SCFH) EACH GAS	USE WITH WELDING HANDLE#
79E	TYPE79E-0	UM43	UM79	23/64"-26(M)	1/64"	1	3	43L9 AND
	TYPE79E-1	UM43	UM79	23/64"-26(M)	1/32"	1	5	43L9E
	TYPE79E-2	UM43	UM79	23/64"-26(M)	3/64"	2	3	USE WITH
	TYPE79E-3	UM43	UM79	23/64"-26(M)	1/16"	3	8	UM43 MIXER
	TYPE79E-4	UM43	UM79	23/64"-26(M)	3/32"	4	10	23/64"-26(F)
	TYPE79E-5	UM43	UM79	23/64"-26(M)	1/8"	5	15	
	TYPE79E-6	UM43	UM79	23/64"-26(M)	3/16"	6	18	WH79 AND
	TYPE79E-7	UM43	UM79	23/64"-26(M)	1/4"	7	20	WH79-2
	TYPE79E-8	UM43	UM79	23/64"-26(M)	5/16"	8	30	USE WITH
	TYPE79E-9	UM43	UM79	23/64"-26(M)	3/8"	9	40	UM79 MIXER
	TYPE79E-10	UM43	UM79	23/64"-26(M)	1/2"	10	50	23/64"-26(F)



### TECH TIP

The immediate work area must be clean from all contaminants. This includes removal of dirt, grease, oil, rust, paint, plastic coverings, etc., from the surface of the parts being welded. The method of cleaning depends on the material to be removed and the location of the work piece. For most construction and production equipment, steam cleaning is recommended. When this is not possible, solvent cleaning can be used. Blast cleaning with abrasives is also used. For small parts, pickling or solvent dip cleaning can be used and, finally, power tool cleaning with brushes, grinding wheels, disc grinding, etc., can be employed. The time spent cleaning a weld repair area will pay off in the long run. Be sure that all solvents have been removed before applying heat.

## OXYACETYLENE

TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER PART# ONLY	ELBOW TO MIXER THREAD SPEC	OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)	FLOW (SCFH) EACH GAS	USE WITH WELDING HANDLE#
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## APPLICATION

PREHEATING  
STRAIGHTENING

11H

INDUSTRY TERM: ROSEBUD

## HEATING TIPS: COMPLETE Assembly

TYPE11H-5	TYPE11TE-5	UM43D	7/16"-27(M)	7	35
TYPE11H-6	TYPE11TE-6	UM43D	7/16"-27(M)	8	40
TYPE11H-7	TYPE11TE-7	UM43D	7/16"-27(M)	10	50
TYPE11H-8	TYPE11TE-8	UM43D	7/16"-27(M)	12	60
TYPE11H-10*	TYPE11TE-10	UM43D-2	1/2"-27(M)	15	90
TYPE11H-12*	TYPE11TE-12	UM43D-2	1/2"-27(M)	15	150

\* Use 3/8" hose on larger tips for adequate gas flow.



43L9

TIP TYPE

COMPLETE ASSEMBLY PART#

TIP END ONLY

MIXER PART# ONLY

ELBOW TO MIXER THREAD SPEC

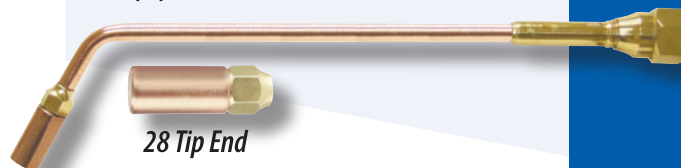
OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)

FLOW (SCFH) EACH GAS

USE WITH WELDING HANDLE#

## HEATING TIPS: COMPLETE Assembly

TYPE7928-79-2	TYPE28TE-2	UM79	23/64"-26(M)	6	25
TYPE7928-79-4	TYPE28TE-4	UM79	23/64"-26(M)	8	35
TYPE7928-79-6	TYPE28TE-6	UM79	23/64"-26(M)	10	40
TYPE7928-79-8	TYPE28TE-8	UM79	23/64"-26(M)	12	50



WH79-2

7928-79

## APPLICATION

PRE-HEATING  
STRAIGHTENING

INDUSTRY TERM: ROSEBUD

TIP TYPE

COMPLETE ASSEMBLY PART#

TIP END ONLY

MIXER PART# ONLY

ELBOW TO MIXER THREAD SPEC

OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)

FLOW (SCFH) EACH GAS

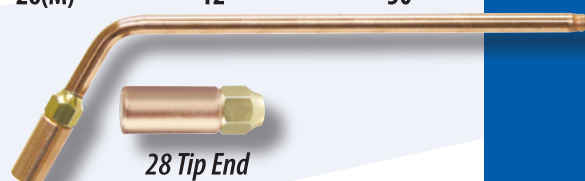
USE WITH WELDING HANDLE#

## HEATING TIPS: ELBOW and Tip End

TYPE7928E-2	TYPE28TE-2	UM79	23/64"-26(M)	6	25
TYPE7928E-4	TYPE28TE-4	UM79	23/64"-26(M)	8	35
TYPE7928E-6	TYPE28TE-6	UM79	23/64"-26(M)	10	40
TYPE7928E-8	TYPE28TE-8	UM79	23/64"-26(M)	12	50



48



WH79-2

7928E

## APPLICATION

PRE-HEATING  
STRAIGHTENING

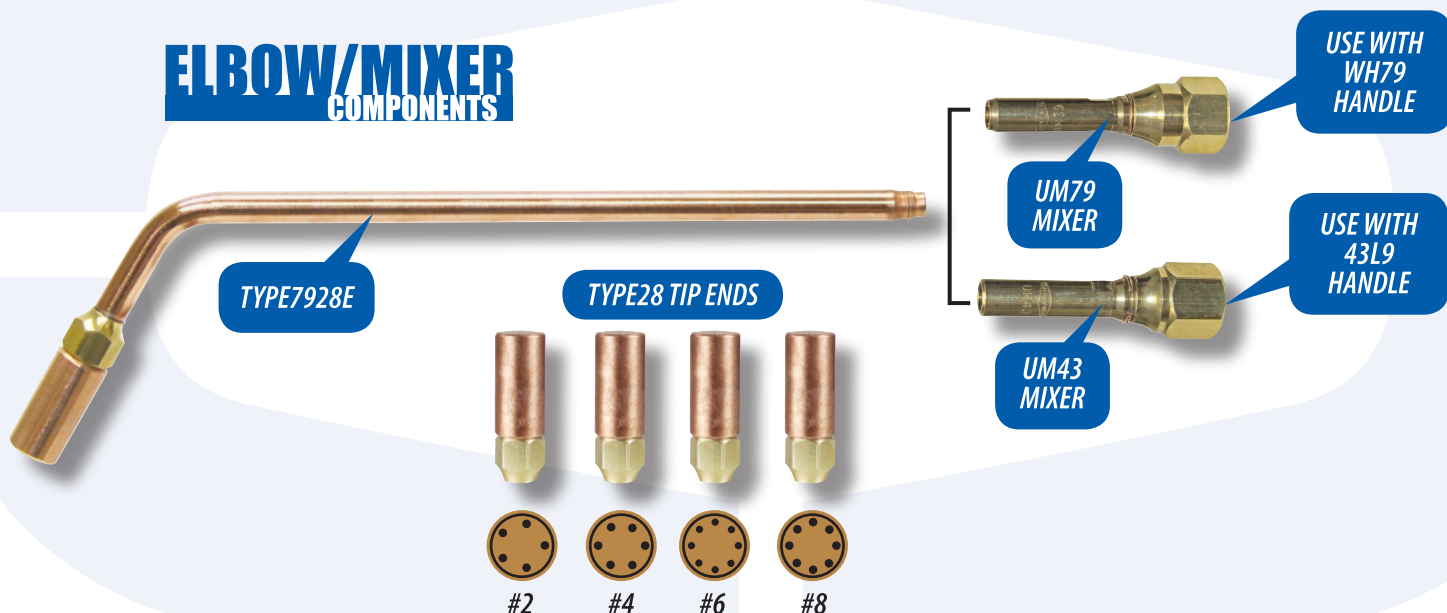
INDUSTRY TERM: ROSEBUD



# TIPS BRAZING/HEATING

H-STYLE

## ELBOW/MIXER COMPONENTS



## OXYACETYLENE/MAPP®/PROPANE/NAT. GAS

TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER PART# ONLY	ELBOW TO MIXER THREAD SPEC	OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)	FLOW (SCFH) EACH GAS	USE WITH WELDING HANDLE#
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APPLICATION  
**7928-43**  
PRE-HEATING  
STRAIGHTENING

### HEATING TIPS: COMPLETE ASSEMBLY

TYPE7928-43-2	TYPE28TE-2	UM43	23/64"-26(M)	6	25
TYPE7928-43-4	TYPE28TE-4	UM43	23/64"-26(M)	8	35
TYPE7928-43-6	TYPE28TE-6	UM43	23/64"-26(M)	10	40
TYPE7928-43-8	TYPE28TE-8	UM43	23/64"-26(M)	12	50

43L9



INDUSTRY TERM: ROSEBUD



TIP TYPE	COMPLETE ASSEMBLY PART#	TIP END ONLY	MIXER PART# ONLY	ELBOW TO MIXER THREAD SPEC	OXY-FUEL ACETYLENE EQUAL PRESSURE (PSIG)	FLOW (SCFH) EACH GAS	USE WITH WELDING HANDLE#
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APPLICATION  
PRE-HEATING  
STRAIGHTENING

**7928E**

### HEATING TIPS: ELBOW and Tip End

TYPE7928E-2	TYPE28TE-2	UM43	23/64"-26(M)	6	25
TYPE7928E-4	TYPE28TE-4	UM43	23/64"-26(M)	8	35
TYPE7928E-6	TYPE28TE-6	UM43	23/64"-26(M)	10	40
TYPE7928E-8	TYPE28TE-8	UM43	23/64"-26(M)	12	50

43L9E



INDUSTRY TERM: ROSEBUD



# OXY/FUEL GAS ONLY (Do not use with Acetylene)

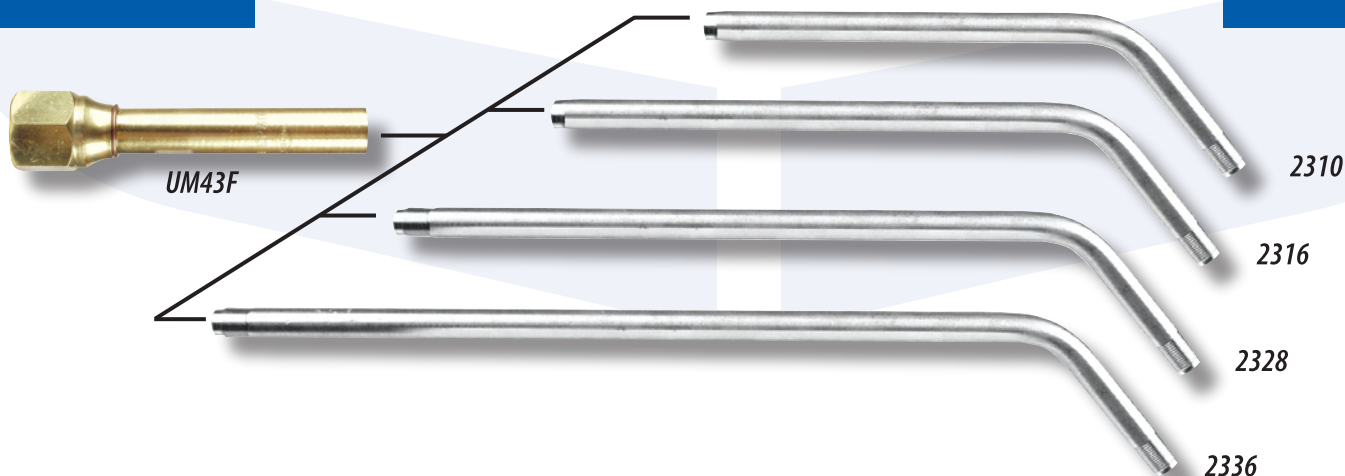
ELBOW TYPE	ELBOW ONLY PART #	LENGTH	ELBOW TIP END THREAD SPECS	MIXER ONLY PART #	MIXER END THREAD SPEC	USE WITH WELDING HANDLE #
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23

## HEATING COMPONENTS

2310	10"	1/2"-25(M) [Both Ends]	UM43F	1/2"-25(F)
2316	16"	1/2"-25(M) [Both Ends]	UM43F	1/2"-25(F)
2328	28"	1/2"-25(M) [Both Ends]	UM43F	1/2"-25(F)
2336	36"	1/2"-25(M) [Both Ends]	UM43F	1/2"-25(F)

43L9



TIP END TYPE	TIP END PART #	TIP END THREAD SPEC	OXYGEN (PSIG)	FLOW (SCFH)	PROPANE (PSIG)	FLOW (SCFH)	HEAT OUTPUT (BTU/HR)
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DO NOT USE ACETYLENE

2290

## HEATING TIPS (Fuel Gas only)

2290-1H	1/2"-25(F)	10-25	160-320	4-12	40-80
2290-2H	1/2"-25(F)	15-45	220-520	7-22	55-130
2290-3H	1/2"-25(F)	25-70	340-920	8-25	85-230
2290-4H*	1/2"-25(F)	50-110	640-1300	10-30	160-325
2290-5H*	1/2"-25(F)	60-135	720-1600	14-40	180-400

100,000-200,000
140,000-330,000
215,000-580,000
400,000-820,000
450,000-1,000,000

## NOTE:

For high demand operations, manifolding of cylinders may be required.



## NOTE:

To calculate heat output for propylene, use 2400 BTU/cu. ft. X flow CFH

## NOTE:

\*Use 3/8" hose for maximum flow and BTU output.