

# Toughcut™ Select Pack

## Torch and Tips



### Quick Specs

#### Typical Applications

Farm and ranch  
Metal fabrication  
Construction and demolition  
Maintenance and repair  
DIY/home hobbyist

#### Oxy-Fuel Processes

Cutting  
Heating  
Welding  
Brazing

#### Fuel Gases

Acetylene  
Propane  
Propylene  
Natural gas  
Butane

#### Combination Torch

Net weight: 1.96 lb. (0.89 kg)  
Length: 18.25 in. (464 mm)  
Head angle: 90 degrees

**Pack Net Weight** 3.6 lb. (1.6 kg)

Performance and safety meet for an efficient way to upgrade your oxy-fuel system.



Toughcut Select acetylene combo pack shown.

### High Performance

**Quality construction** for reliability and longer service in a multitude of applications.

**Silver-brazed nickel-plated torch joints** for strength, leak resistance and heat deflection.

**Stainless steel ball-style valves** for smooth adjustment and positive seating to eliminate leaks.

**Hand-tightened torch and attachments** for quick change and longer service.

**Triple o-ring seal** for easy 360-degree torch head rotation to reduce operator fatigue.

**Graft-Tite™ soft seat** protects the tip seat from nicking for longer use.

**Fully swaged smooth tip** for fast starts and minimizing slag build-up.

**Removable high-pressure seat** for easy cleaning from back of tip.

### Designed for Safety

**Engineered for strength and operator safety** under rugged conditions.

**Three-tube construction** to keep gases separate in the cutting attachment until mixed at the tip for safety. Mixed gas stays farthest away from the operator.

**Gases are mixed at the tip** for safety and resistance to flashback.

**Concave-shaped tip end** to reduce backfire and resist flameout.

**Sintered stainless steel filter** in flashback arrestor stops flashback fire. Auto-reset with built-in check valve.



Warrantied for three years, parts and labor.



**Underwriters Laboratories (UL) Listed** for gas pressure regulators.



**Electrical Testing Laboratories (ETL) Listed** for oxy-fuel torches and tips.



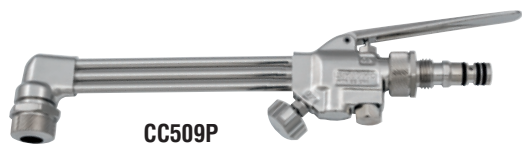
**Miller Electric Mfg. LLC**  
An ITW Welding Company  
1635 West Spencer Street  
P.O. Box 1079  
Appleton, WI 54912-1079 USA

**Equipment Sales US and Canada**  
Phone: 866-931-9730  
FAX: 800-637-2315  
International Phone: 920-735-4554  
International FAX: 920-735-4125

**MillerWelds.com**  
f t y i n



# Toughcut™ Combination Torch



CC509P



WH100

## Cutting attachment

Length: 11.25 in. (286 mm)

Weight: 1.1 lb. (0.5 kg)

Head angle: 90 degrees

Repair kit MC101

Compatible handles WH100

### Compatible tips

Cutting: Series MC12, MC40 and MC60

Gouging: Series MC13-3

Warranty Three years

## Torch handle

Length: 7 in. (178 mm)

Weight: 0.86 lb. (0.39 kg)

Handle diameter: 15/16 in. (24 mm)

### Inlet connection

"B" size, 9/16"-18 RH and LH

### Compatible cutting attachments

CC509P, MC505 and MC509

### Compatible tips

Heating: Series MT600, MT800 and MT615

Welding: MW200 and MW411

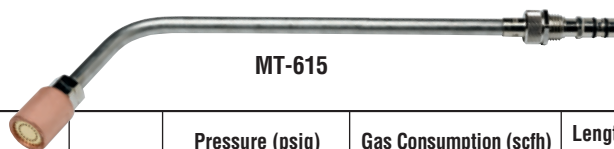
### Valve assembly replacement

LW17

## Cutting and Heating Tips



MC12-1



MT-615

Tip Number	Metal Thickness Inch (mm)	Pressure (psig)		Gas Consumption (scfh)		
		Oxygen	Acetylene	Cutting Oxygen	Preheat Oxygen	Preheat Acetylene
MC12-00	1/8-3/16 (3-5)	20	10	30	7	6
MC12-0	1/4-3/8 (6-10)	35-40	10	40-46	7	6
MC12-1	1/2-5/8 (13-16)	45-50	10	75-81	9	7
MC12-2	3/4-1 (19-25)	50-55	10	107-118	11	9
MC12-3	1-1/2-2 (38-51)	55-60	10	170-181	12	10
MC12-4	2-1/2-4 (64-102)	65	10	249-320	14	12
MC12-5	5-6 (127-152)	80-90	10	420-485	15	13
		Oxygen	Propane	Oxygen	Oxygen	Propane
MC40-00	3/16 (5)	30	10	24	35	7
MC40-0	1/4-3/8 (6-10)	35-40	10	40-46	35	7
MC40-1	1/2-5/8 (13-16)	45-50	10	75-81	35	7
MC40-2	3/4-1-1/4 (19-32)	50-60	10	107-133	35	7
MC40-3	1-1/2-2 (38-51)	55-60	10	170-181	35	7
MC40-4	2-1/2-4 (64-102)	65-75	10	249-320	35	7

Tip Number	Average Btu/Hour	Pressure (psig)		Gas Consumption (scfh)		Length Inch (mm)
		Oxygen	Acetylene	Oxygen	Acetylene	
MT603	40,125	15	15	31	28	10 (254)
MT605	73,085	15	15	57	51	16 (406)
MT610	128,970	15	15	100	90	18 (457)
		Oxygen	Propane	Oxygen	Propane	
MT615	269,000	20-60	10-25	225-535	70-160	15 (381)
		Oxygen	Nat. Gas	Oxygen	Nat. Gas	
MT615	182,000	15-50	10-25	175-450	96-267	
		Oxygen	Propylene	Oxygen	Propylene	
MT615	280,000	20-60	10-25	235-430	100-160	
		Oxygen	Propane	Oxygen	Propane	
MT805	208,000	50-60	20-25	206-230	80-100	15 (381)
		Oxygen	Propylene	Oxygen	Propylene	
MT805	280,000	50-60	20-25	242-270	120-135	

For acetylene: requires minimum 350 cu.ft. cylinder at 70°F (21°C).

For propane or propylene: continuous use with 100 lb. cylinder at 70°F (21°C).

Compatible cutting attachments CC509P, MC505 and MC509

Compatible torch handles WH100

## Ordering Information

Combo Packs	Stock No.	Description	Qty.	Price
Toughcut Select Acetylene Pack	287643	With WH100 handle, CC509P cutting attachment, MC12-1 cutting tip, MC12-2 cutting tip, MT603 heating tip, torch-mount flashback arrestors, single-flint lighter and shade 5 safety glasses		
Toughcut Select Propane Pack	287644	With WH100 handle, CC509P cutting attachment, MC40-1 cutting tip, MC40-2 cutting tip, MT615 heating tip, torch-mount flashback arrestors, single-flint lighter and shade 5 safety glasses		

Date:

Total Quoted Price:

Distributed by:

