

MAGNUM[®] PRO WATER-COOLED MECHANIZED TORCH

DURABLE AND VERSATILE FOR HARD-AUTOMATION



KEY FEATURES

The Magnum PRO Mechanized welding torch is rated for 650A with a 100% mixed-gas duty cycle. Engineered for extreme durability and performance expected from the Magnum PRO line of welding torches, the 650A water-cooled mechanized torch is the ideal solution for high-heat applications.

- **Designed to withstand and perform in high-temp, high-amperage applications**
- **Flexible mounting options for easy integration within a new or existing mechanized solution**
- **Premium expendable performance with our field-proven, long-lasting Magnum PRO expendable**
- **Specifically engineered to be the ideal solution for our patented HyperFill[®] or Process HDT[™] weld processes.**

Processes »

MIG, Pulsed MIG, FCAW, HyperFill

Applications »

Heavy Fabrication, Agriculture

Product Number »

K5333-XX

See product specifications table for exact part numbers

WHAT'S INCLUDED

- » Mechanized Welding Torch
- » Gun Tube, 180 degrees
- » Connector
- » Cable Liner, 5/64 in. wire
- » Nozzle, 3/4 in. ID, recessed
- » Gas Diffuser
- » Contact Tip, 5/64 in. wire



FEATURES

- **Extreme Durability in High-Heat Applications**
 - Two power cables have more copper to better dissipate cable heat across the entire torch
 - High water flow-rate through the housing and gooseneck keeps front-end expendables cooler
- **Premium Expendable Performance**
 - Lincoln Electric's long-lasting proprietary Magnum PRO expendables are designed with welding arc performance in mind. Using Magnum PRO expendables results in more time welding and less time wasted.
- **Ease-of-Mounting**
 - Torch can be mounted by either the torch housing or gooseneck, allowing for flexibility to fit any mounting geometry.
 - Torch housing and gooseneck fit easily with standard mounting configurations in common mechanized set-up.

EXPENDABLE PARTS

All Magnum PRO Copper Plus® Contact Tips come equipped with Anti-Seize™ threads that prevent the contact tip from melting, fusing, and seizing in the diffuser. The Extended Life™ contact tips are designed with a chrome zirconium copper alloy, which minimizes annealing and wear. Due to their long life, they are the preferred tip for automated welding.



CONTACT TIPS

Wire Diameter in. (mm)	Standard		Tapered		Extended Life	
	Qty. 10	Qty. 100	Qty. 10	Qty. 100	Qty. 10	Qty. 100
0.035 [0.9]	KP2745-035	KP2745-035-B100	KP2745-035T	KP2745-035T-B100	KP2745-035R	KP2745-035R-B100
0.040 [1.0]	KP2745-040	KP2745-040-B100	KP2745-040T	KP2745-040T-B100	KP2745-040R	KP2745-040R-B100
0.045 [1.2]	KP2745-045	KP2745-045-B100	KP2745-045T	KP2745-045T-B100	KP2745-045R	KP2745-045R-B100
0.052 [1.3]	KP2745-052	KP2745-052-B100	KP2745-052T	KP2745-052T-B100	KP2745-052R	KP2745-052R-B100
1/16 [1.6]	KP2745-116	KP2745-116-B100	KP2745-116T	KP2745-116T-B100	KP2745-116R	KP2745-116R-B100
0.068-0.072 [1.7-1.8]	KP2745-072	KP2745-072-B100	-	-	KP2745-072R	KP2745-072R-B100
5/64 [2.0]	KP2745-564	KP2745-564-B100	-	-	KP2745-564R	KP2745-564R-B100

Note: Also compatible with Hyperfill expendables. For Hyperfill part numbers, please see Lincoln Electric publication E12.403

EXPENDABLE PARTS CONTINUED

GAS DIFFUSERS

Quantity	Product Number
1	KP4380-1
25	KP4380-1-B25

GAS NOZZLES

Nozzle Type	Pkg. Qty	Gas Nozzle Diameter				
		Standard 1/2 in. ID	Bottleneck 1/2 in. ID	Standard 5/8 in. ID	Bottleneck 0.625 [15.9]	Standard 0.75 [19]
1/8 in. Recess	1	KP4120-1-50R	KP4121-1-50R	KP4120-1-62R	KP4121-1-62R	KP4120-1-75R
	25	KP4120-1-50R-B25	KP4121-1-50R-B25	KP4120-1-62R-B25	KP4121-1-62R-B25	KP4120-1-75R-B25
Flush	1	KP4120-1-50F	KP4121-1-50F	KP4120-1-62F	KP4121-1-62F	KP4120-1-75F
	25	KP4120-1-50F-B25	KP4121-1-50F-B25	KP4120-1-62F-B25	KP4121-1-62F-B25	KP4120-1-75F-B25
1/8 in. Stickout	1	KP4120-1-50S	KP4121-1-50S	KP4120-1-62S	KP4121-1-62S	KP4120-1-75S
	25	KP4120-1-50S-B25	KP4121-1-50S-B25	KP4120-62S-B25	KP4121-1-62S	KP4120-1-75S-B25

GUN TUBES

Degree	Product Number
22	KP5397-22
45	KP5397-45
60	KP5397-60
180°	KP5397-180

CABLE LINERS

Wire Diameter, in. (mm)	Product Number	Length ft. (m)
0.035-0.045 (0.9-1.2)	KP44-3545-15	15 (4.5)
	KP44-3545-25	25 (7.6)
0.052-1/16 (1.3-1.6)	KP44-116-15	15 (4.5)
	KP44-116-25	25 (7.6)
1/16-5/64 (1.6-2.0)	KP44-564-15	15 (4.5)
	KP44-564-25	25 (7.6)
3/32 (2.4)	KP44-332-6	6 (1.8)
	KP44-332-15	15 (4.5)
	KP44-332-25	25 (7.6)

PRODUCT SPECIFICATIONS

Product Name	Product Number	Amperage Rating	Cable Length	Gooseneck Angle	Connector Type	Wire Diameter Range in (mm)
Magnum PRO WC 650 Mechanized Torch	K5333-3-10-564	650A @ 100% Duty Cycle	3 ft	180 Degrees	Lincoln, K466-10	0.035-3/32 (0.9-2.4)
	K5333-5-10-564		5 ft		Lincoln, K466-10	
	K5333-8-10-564		8 ft		Lincoln, K466-10	
	K5333-10-10-564		10 ft		Lincoln, K466-10	
	K5333-10-FM-564		10 ft		Fast-Mate	
	K5333-15-10-564		15 ft		Lincoln, K466-10	
	K5333-15-FM-10-564		15 ft		Fast-Mate	
	K5333-25-10-564		25 ft		Lincoln, K466-10	

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