

Grade R

- Economical welding hose for applications with acetylene fuel gas only.
- All Grade R hose has a non-oil resistant cover.
- Grade R twin line welding hose has a smooth cover and Grade R single line hose has a corrugated cover for added abrasion resistance.
- All Grade R twin line reels are one continuous length of hose.
- Welding hose cover is red for acetylene; green for oxygen.

Grade RM

- High quality welding hose for use with acetylene fuel gas only.
- All Grade RM hose has a flame and oil resistant cover.
- All Grade RM twin line reels are one continuous length of hose.
- Welding hose cover is red for acetylene; green for oxygen.

Twin Line Hose-Cut Lengths

Hose Grade	Part No.	I.D.	Length	Fittings
		Inches	Feet	
Grade R	RH-2000	3/16	10	BB
	RH-2000M	3/16	10	MF
	RH-2001	3/16	12-1/2	BB
	RH-2001A	3/16	12-1/2	AB
	RH-2001AA	3/16	12-1/2	AA
	RH-2002	3/16	25	BB
	RH-2002A	3/16	25	AB
	RH-2003	3/16	50	BB
	RH-2005	3/16	10	BB
	RH-2101	1/4	12-1/2	BB
	RH-2102	1/4	25	BB
	RH-2103	1/4	50	BB
	RH-2105	1/4	100	BB
	RH-2302	5/16	25	BB
	RH-2303	5/16	50	BB
	RH-2305	5/16	100	BB
	RH-2402	3/8	25	BB
	RH-2403	3/8	50	BB
	RH-2405	3/8	100	BB
	Grade RM	NH-321	3/16	12-1/2
NH-322		3/16	12-1/2	AB
NH-331		3/16	25	BB
NH-332		3/16	25	AB
NH-341		3/16	50	BB
NH-731		1/4	25	BB
NH-741		1/4	50	BB
NH-751		1/4	100	BB
NH-841		5/16	50	BB
NH-1431	3/8	25	BB	
NH-1441	3/8	50	BB	
Grade T	TH-1621	3/16	12-1/2	BB
	TH-1622	3/16	12-1/2	AB
	TH-1631	3/16	25	BB
	TH-1632	3/16	25	AB
	TH-1641	3/16	50	BB
	TH-1651	3/16	100	BB
	TH-1731	1/4	25	BB
	TH-1741	1/4	50	BB
	TH-1751	1/4	100	BB
	TH-1831	5/16	25	BB
	TH-1841	5/16	50	BB
	TH-1851	5/16	100	BB
	TH-1931	3/8	25	BB
	TH-1941	3/8	50	BB
	TH-1951	3/8	100	BB

Grade T

- Premium quality welding hose for use with fuel gases including acetylene.
- All Grade T hose has a flame and oil resistant tube and cover.
- Grade T twin line welding hose has a smooth cover.
- All Grade T twin line reels are one continuous length of hose.
- Welding hose cover is red for fuel gas; green for oxygen.



All welding hose meets or exceeds the RMA – CGA – specifications.

Inert Hose - Cut Lengths

Hose Grade	Part No.	I.D.	Length	Fittings
		Inches	Feet	
Grade R	RH-14GH-10	1/4	10	IGF
	RH-14GH-25	1/4	25	IGF
	RH-14GH-50	1/4	50	IGF
	RH-14GH-6	1/4	6	IGF
	RH-14GH-8	1/4	8	IGF
	RH-15WH-10	1/4	10	IWF
	RH-15WH-25	1/4	25	IWF
	RH-15WH-50	1/4	50	IWF
	RH-15WH-6	1/4	6	IWF

Single Line Hose - Cut Lengths - Acetylene

Hose Grade	Part No.	I.D.	Length	Fittings
		Inches	Feet	
Grade R	RH-11A	3/16	6	AA
	RH-11B	3/16	6	BB
	RH-12A	3/16	12 1/2	AA
	RH-12B	3/16	12 1/2	BB
	RH-13A	3/16	25	AA
	RH-13B	3/16	25	BB

Single Line Reel

Hose Grade	Hose Color	Part No.	I.D. Inches
Grade R	●	RH-3017	3/16
	●	RH-3027	3/16
	●	RH-3117	1/4
	●	RH-3127*	1/4
	●	RH-3217*	1/4
	●	RH-3227	1/4
	●	RH-3417	5/16
	●	RH-3427	5/16
	●	RH-3617	3/8
	●	RH-3627	3/8
	●	RH-3717	1/2
	●	RH-3727	1/2
Grade T	●	TH-3017	3/16
	●	TH-3217	1/4
	●	TH-3617	3/8
	●	TH-3627	3/8
	●	TH-3717	1/2

● Red Hose ● Green Hose

Twin Line Reel

Hose Grade	Part No.	I.D. Inches
Grade R	RH-2106	3/16
	RH-2107	1/4
	RH-2108	5/16
	RH-2109	3/8
Grade RM	NH-1400	3/8
	NH-300	3/16
	NH-700	1/4
Grade T	TH-1600	3/16
	TH-1700	1/4
	TH-1800	5/16
	TH-1900	3/8

* Four spiral (remainder are two spiral)

Average reel is 700' in length.

Warning:

- If you cut or heat with an alternative fuel gas, Grade R or RM welding hose is not recommended.
- Grade R and RM hose is recommended for use with Acetylene Gas Only.
- Grade T welding hose is safe for use with Fuel Gases including Acetylene.

Tungsten Electrodes

Classification of Electrodes

Pure Tungsten

Color Code: Green

These electrodes are used mainly with alternating current (AC) for welding of aluminum and magnesium alloys. With this type of current, the tip of the EWP electrode forms a clean, balled end, which provides good arc stability. Pure tungsten is the least expensive, but is more prone to contamination of the weld than the other types of tungsten electrodes.

1% Thoria

Color Code: Yellow

Thorium dioxide dipped tungsten electrodes containing 0.8% to 1.2% ThO₂. They provide easy arc starting, stable arc, good current capacity, and resistance to weld pool contamination.

1.5% Lanthanated Tungsten

Color Code: Black

These electrodes can be used as a nonradioactive substitute for 2% thoriated tungsten. They will provide very similar performance with minimum amount of adjustment of operating conditions required. These materials are certified to be free of radioactivity.

2% Ceriated Tungsten

Color Code: Orange

2% Ceriated tungsten electrodes operate successfully with alternating current (AC) or direct current (DC), either polarity. The advantage of 2% Ceriated tungsten compared to Pure tungsten include increase ease of starting, improved arc stability and reduced rate of vaporization. Contrary to thoriated electrodes, Ceriated electrodes are not radioactive.

2% Thoriated Tungsten

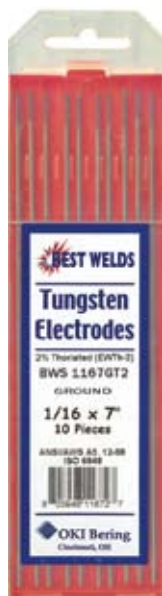
Color Code: Red

Thoriated tungsten electrodes, were designed for direct current electrode negative (DCEN) or straight polarity applications. They maintain a sharpened tip configuration during welding which is desirable for the welding of steels, nickel alloys, and most alloys other than aluminum and magnesium. Thoriated tungsten electrodes are not normally used with AC welding because it is difficult to maintain the balled end (which is necessary with AC welding) without splitting the electrode.

Zirconiated Tungsten

Color Code: Brown

Zirconiated Tungsten contains zirconium oxide, commonly known as zirconia. Zirconiated tungsten is generally preferred when welding applications require the tungsten contamination of the weld minimized. Zirconiated electrodes perform best when using alternating current (AC) because it will maintain a balled end during welding and has a very high resistance to weld contamination.



Part No. 1167GT2

Electrodes	Ground Part No.	Dia. (inches)	Length (inches)
Pure	0407G	.040	7
	1167G	1/16	7
	3327G	3/32	7
	187G	1/8	7
1% Thoriated	5327G	5/32	7
	0407GT	.040	7
	1167GT	1/16	7
	3327GT	3/32	7
1.5% Lanthanated	187GT	1/8	7
	0407GL	.040	7
	1167GL	1/16	7
	3327GL	3/32	7
2% Ceriated	187GL	1/8	7
	5327GL	5/32	7
	0407GC2	.040	7
	1167GC2	1/16	7
2% Thoriated	3327GC2	3/32	7
	187GC2	1/8	7
	5327GC2	5/32	7
	0407GT2	.040	7
Zirconiated	1167GT2	1/16	7
	3327GT2	3/32	7
	187GT2	1/8	7
	5327GT2	5/32	7
Zirconiated	0407GZ	.040	7
	1167GZ	1/16	7
	3327GZ	3/32	7
	187GZ	1/8	7
	5327GZ	5/32	7

All tungsten electrodes are packaged 10 pieces per box.

ANSI AWS A5.12-92 Classification System

Tungsten electrodes are classified on the basis of their chemical compositions.

E: stands for an electrode

W: stands for the chemical symbol for tungsten (also called Wolfram)

The final letter indicates the alloying element or oxide additions.

P: Pure

La: Lanthanated

Ce: Ceriated

Th: Thoriated

Zr: Zirconiated

G: stands for unspecified oxide additions

The numbers specify the nominal alloying composition (in weight - percent). For instance, EWTH-2 is a thoriated tungsten electrode that contains nominally 2 wt - % thoria.

For more information regarding tungsten electrodes:

A Guide to the Use of Tungsten Electrodes for GTA Welding, as printed in the *Welding Journal*. Authors: R.D. Campbell and E.J. LaCoursiere

The basics regarding tungsten electrode classifications, types, sizes, current types and levels, and recommended uses are explained.

Selection of Gases for Gas Tungsten Arc Welding (GTAW)

Metal	Type of Welding Process	Shielding Gas	Advantages
Aluminum and its alloys	Manual continuous	Argon	Better arc starting and cleaning action; lower gas consumption.
		Helium	High welding speeds possible.
	Machine continuous	Argon-Helium	Lower gas flow than required with straight helium.
Magnesium and its alloys	Less than 1/14 in.	Argon	Controlled penetration; excellent cleaning; ease of puddle manipulation; low gas flow.
	Greater than 1/14 in.	Helium	Good penetration; best for DC welding.
Carbon Steel	Manual continuous	Argon	Ease of manipulation; freedom from overheating; better puddle control, especially for position welding.
	Machine continuous	Argon-Helium	Helium addition improves penetration on heavy gage metal; preference depends on joint preparation.
	Spot	Argon	Generally preferred for longer electrode life, better weld nugget contour, ease of starting, lower gas flow.
Austenitic Chromium-Nickel Stainless Steel	Manual continuous	Argon	Permits controlled penetration on thin-gage material (up to 15 gage).
		Argon-Helium	Higher heat input and welding speeds possible on heavier gages.
	Machine continuous	Argon-Hydrogen (35% H ₂ max)	Prevents undercutting; produces desirable weld contour at low current levels; requires lower gas flows.
		Helium	Provides highest heat input and deepest penetration.
Copper, Nickel and their alloys		Argon	Ease of obtaining puddle control, penetration and bead contour on thin-gage metal.
		Argon-Helium	Higher heat input to offset high conductivity of heavier gages.
		Helium	Highest heat input for high welding speed on heavy metal section.
Titanium and its alloys		Argon	Low gas flow rate minimizes turbulence and air contamination of weld.
		Helium	Better penetration for welding of thick sections (inert-gas backing required to shield back of weld against contamination).

Neutra Wet Tungsten Grinder

- 110 volt grinder.
 - Coolant-containing/dust-receiving bottle.
 - Accessory box of supplies is included.
- Part No. W95/1**



Grinder Accessory Box Includes:

- (1) Electrode holder
- (4) Collets: .040", 1/16", 3/32", 1/8"
- (1) 8 oz bottle of coolant
- (1) Coolant disposal bottle
- (1) Spare side wall seal
- (1) Spacer piece

Replacement Parts and Accessories



Item	Part No.	Description
1	W95/1-05-1	Grinding wheel - long life
	W95/1-05-2	Grinding wheel - standard
2	W95/1-35	Side wall seal
3	W95/1-40	Grinding coolant - 1 gallon
4	W95/1-12	Grinding coolant - 8 oz.
5	W95/1-45	Coolant-containing/dust-receiving bottle
6	W95/1-34-C	Electrode holder (complete)
7	W95/1-27	Collet .040"
	W95/1-28	Collet 1/16"
	W95/1-29	Collet 3/32"
	W95/1-30	Collet 1/8"
	W95/1-31	Collet 5/32"

Tungsten Grinder / Coolers / Cable Covers

Neutra Portable Tungsten Grinder

- 110 volt grinder
- Coolant-containing/dust-receiving bottle.
- Carrying case containing grinder and supplies:

Part No. 88896022



Grinder Carrying Case Includes:

- (1) Portable Grinder
- (1) Electrode holder
- (3) Collets: 1/16", 3/32", 1/8"
- (2) Open-ended wrenches
- (2) Allen wrenches
- (1) Spare filter

Replacement Parts and Accessories



Item	Part No.	Description
1	44510030	Diamond grinding wheel
2	44510260	Filter cassette
3	44510050	Electrode holder
4	44510162	Collet 1/16"
	44510164	Collet 3/32"
	44510165	Collet 1/8"

MIG-TIG Cable Cover

- Abrasion resistant woven material.
- Non-conductive zipper with overlap flap to protect it from weld spatter.
- "Snug Straps" to secure both ends on torch.
- Ultraviolet light resistant.
- Acid/chemical resistant.
- Flame & tear resistant.



Part No.		Description	Size	
Value	Premium*		Width	Length
WC-3-10	CC310B	TIG 10'	3"	10'
WC-3-22		TIG 22'	3"	22'
	CC323B	TIG 23'	3"	23'
	CC410B	MIG 10'	4"	10'
	CC423B	MIG 23'	4"	23'

* Enter-Tube™ design innovation saves time by allowing the cover to be installed without disconnecting the torch from the power source.

Valu Coolers

- Ideal for MIG, TIG, Plasma, resistance, and Electro-Slag type welding.
- Features an all stainless steel tank, copper radiator coils, and a reinforced hose.
- Easy-to-read water indicators, quick change pumps and filters.
- Available in two compact styles with rigid motor mount to minimize damage and vibration.
- High efficiency, copper core and rustproof heat exchanger.



Part No. VC2500SS



Part No. VC3500SS

Model	VC2500SS	VC3500SS
Dimensions	17" x 11" x 14" (43.2 cm x 27.9 cm x 35.6 cm)	21-1/4" x 13-1/8" x 16-3/4" (54.0 cm x 33.3 cm x 42.5 cm)
Reservoir Capacity	2 gallon, stainless steel	3 gallon, stainless steel
Pump Capacity	100 PSI maximum 1.5 GPM (5.68 LPM) @ 50 PSI 1.8 GPM (6.81 LPM) @ 60 PSI	100 PSI maximum 1.5 GPM (5.68 LPM) @ 50 PSI 1.8 GPM (6.81 LPM) @ 60 PSI
Heat Exchanger	High efficiency, copper core, rustproof	High efficiency, copper core, rustproof
Motor Voltage	115 VAC single phase 60 Hz	115 VAC single phase 60 Hz
Amperage	6.8	6.8
Water Connections	1/4" NPT supplied w/ 5/8-18" UNC LH thread fitting	1/4" NPT supplied w/ 5/8-18" UNC LH thread fitting
Net Weight	29.3 lbs. (13.3 kg)	43 lbs. (19.5 kg)
Approximately Shipping Weight	34.3 lbs. (15.5 kg)	46 lbs. (20.9 kg)

Cable Covers

- Golden willow tanned leather.
- Adjustable to fit 1-1/2" to 1-3/4" diameter.
- Nickel plated snaps every 6 inches.

Part No. CC-10: 10'

Part No. CC-23: 23'

Part No. CC-50: 50'

Part No. CC-100: 100'



Welding Cable 600V

Description: Heavy duty arc welding cable is furnished with 30 ga (class K) flexible soft-drawn electrolytic copper. Kraft paper separates the special thermosetting compound from the bare copper. This cable resists oil, burning, abrasion, cold weather and is rated at 600 volts for intermittent use (up to three hours continuous use).

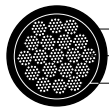
Construction: Rope stranded copper conductor, paper separator, insulated with oil-resistant compound. -40° C to +90° C

Sample Print: 4/0 +105C -50C 600V welding cable - reels are marked with sequential numbers each foot.

Uses: For connections for electrode holder and clamp to arc welder, bus, welding box or transformer. Also for certain 600 volt cable applications.



Size AWG	Stranding	Nominal Finished O.D.	Approx. Weight (lbs./M ft.)
6	259/30	0.380"	140
4	374/30	0.400"	180
2	625/30	0.470"	265
1	778/30	0.500"	320
1/0	990/30	0.565"	405
2/0	1248/30	0.620"	485
3/0	1586/30	0.675"	620
4/0	2054/30	0.75"	790
250 MCM	2496/30	0.830"	965
350 MCM	3432/30	0.960"	1310
500 MCM	5054/30	1.200"	1960



EPDM insulation
30 AWG bare copper strands
Kraft paper separator

Jacketed Type S00W

Heavy Duty Cord, 600V/90° C
U.L. File Number E 42543
C.S.A. File Number LL 24508
M.S.H.A. Number P-159-18

- Oil-resistant CPE jacket.
- Paper fillers.
- Color-coded, free-stripping EPDM insulation.
- Stranded bare copper conductor per ASTM B-174.
- Fully annealed.

* These ampacities are based on 30° C ambient temperature, per NEC Article #400.

**Not listed by U.L., but made to accepted commercial and manufacturing standards 1,000 reels and larger available.



Size AWG	Stranding	Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal Outside Diameter	Current Carrying Capacity	Standard Package	Approx. Weight lbs./1,000 ft.)
18/2	16/30	.030"	.060"	.345"	10 AMPS*	250' Ctn.	70
18/3	16/30	.030"	.060"	.365"	10 AMPS*	250' Ctn.	80
18/4	16/30	.030"	.060"	.390"	7 AMPS*	250' Ctn.	95
16/2	26/30	.030"	.060"	.370"	13 AMPS*	250' Ctn.	80
16/3	26/30	.030"	.060"	.390"	13 AMPS*	250' Ctn.	95
16/4	26/30	.030"	.060"	.420"	10 AMPS*	250' Ctn.	115
16/5	26/30	.030"	.080"	.495"	8 AMPS*	250' Reel	160
12/3	65/30	.045"	.095"	.595"	25 AMPS*	250' Ctn.	225
12/4	65/30	.045"	.095"	.650"	20 AMPS*	250' Ctn.	270
10/3	104/30	.045"	.095"	.660"	30 AMPS*	250' Ctn.	290
10/4	104/30	.045"	.095"	.715"	25 AMPS*	250' Ctn.	355
**8/3	133/29	.06"	.110"	.855"	40 AMPS*	250' Reel	485
**8/4	133/29	.06"	.125"	.780"	35 AMPS*	250' Reel	670
**6/3	133/27	.06"	.125"	.980"	55 AMPS*	250' Reel	700
**6/4	133/27	.06"	.140"	1.090"	45 AMPS*	250' Reel	875

Cable - Shrink Wrap / Power Cord / Cylinder Carts

Shrink Wrapped Cable Welding Cable 600V

Shrink wrapped welding cable is packaged in a Polyethylene shrink wrap package for 25', 50', and 100' lengths. This convenient, durable, and attractive package ships better than boxed material and saves showroom shelf space and valuable warehousing space. This cable is abrasion resistant and has excellent flexibility and strong color retention.

*Available in most sizes



25' 8/3 ST 0° C to 60° C Power Supply Cord

Constructed with #8 AWG 133/29 bare copper, this 25' power supply cord has black, white, and green (ground) conductors and a matte black Polyvinyl Chloride jacket. The male/cap (end) and female/connector end (receptacle) are NEMA 6-50P and NEMA 6-50R black, PVC, polarized connectors.

- U.L. Type ST, CSA Approved
- 40 Amps, 250 Volts, 1,000 Watts

Part No. 8325



Copper Conductor AWG Guide



Electrode Distance from Welding Equipment (ft.) *1/2 total circuit length									
Amps	50	75	100	125	150	200	250	300	350
100	4	4	2	2	1	1/0	2/0	3/0	4/0
150	3	3	1	1/0	2/0	3/0	4/0		
200	2	1	1/0	2/0	3/0	4/0			
250	1	1/0	2/0	3/0	4/0				
300	1	2/0	3/0	4/0					
350	1/0	3/0	4/0						
400	2/0	3/0	4/0						
450	3/0	4/0							
500	4/0	4/0							
600	250 MCM								
750	350 MCM								
900	500 MCM								

* Based on voltage drop of 4 volts per ICEA and NEMA specifications

Standard package information: 250', 500' and single length N/R reels
minus 10%- plus 20%

Cut and fitted cable assemblies also available. Call for details.



Light and Medium Duty Cylinder Trucks

These light and medium cylinder trucks are perfect for hobbyists, plumbers, maintenance departments, farmers, garages, and almost any application with hard surface floors.



Part No. CTR-6



Part No. CTR-6-1T



Part No. CTR-8



Part No. CTR-8-1T

Part No.	Cylinder		Wheels		Base Dimension	Height	Width	Depth	Wt. (lbs.)
	Acetylene	Oxygen	No.	Type					
CTR-6	40/60	60/90	100610	Semi-pneumatic	8" x 15.5"	42"	19"	12"	13
CTR-6-1T	40/60	60/90	100610	Semi-pneumatic	8" x 15.5"	42"	19"	12"	18
CTR-8	40/120	122/160	100810	Semi-pneumatic	8" x 19"	44"	23"	13.5"	23
CTR-8-1T	40/120	122/160	100810	Semi-pneumatic	8" x 19"	42"	19"	12"	19
CTRB-10-2T	40/120	122/244	101020	Semi-pneumatic	9.25" x 19.5"	46.5"	25.5"	17"	35

Small and Medium Cylinder Trucks

Our sturdy "U" frame design gives these models maximum strength and considerable stability. These models come with retaining chains and the CTR 200 series is available in several wheel sizes and configurations.



Part No. CTR-10



Part No. CTR-212-1T



Part No. CTR-214-1T



Part No. CTR-216-1T

Part No.	Cylinder		Wheels		Base Dimension	Height	Width	Depth	Wt. (lbs.)
	Acetylene	Oxygen	No.	Type					
CTR-10	40/120	122/160	101010	Semi-pneumatic	9" x 18"	39"	23.5"	14.5"	30
CTR-212-1T	120	244	101210	Semi-pneumatic	12" x 21"	42"	26.5"	19.5"	38
CTR-214-1T	120	244	101410	Semi-pneumatic	12" x 21"	42"	27"	19.5"	44
CTR-216-1T	120	244	101611	Semi-pneumatic	12" x 21"	42"	28"	22"	48

Large Cylinder Trucks

The 500 series is a workhorse for larger cylinders. The 600 series is 4" wider to accommodate a 100# propane cylinder.



Part No. CTR-14



Part No. CTR-516-5T



Part No. CTS-520-1T



Part No. CTR-520-1T

Part No.	Cylinder		Wheels		Base Dimension	Height	Width	Depth	Wt. (lbs.)
	Acetylene	Oxygen	No.	Type					
CTR-14	300	244/300	101410	Semi-pneumatic	13" x 24"	43.5"	30"	20"	48
CTRV-514-1T	300	244/300	101410 100351	Semi-pneumatic 3.5" Casters	13" x 24"	37.25"	30"	35"	53
CTR-516-1T	300	244/300	101611	Semi-pneumatic	13" x 24"	44"	31"	22"	52
CTR-516-5T	300	244/300	101650/SC-11	Pneumatic	13" x 24"	44"	36"	21"	52
CTS-520-1T	300	244/300	SC-13	Steel	13" x 24"	44"	34"	23"	56
CTR-520-1T	300	244/300	102010	Semi-pneumatic	13" x 24"	44"	34"	24"	70
CTS-24	300	244/300	102410	Steel	13" x 24"	44"	34"	25.5"	62
CTR-616-1T	100#PROP	244/300	101611	Semi-pneumatic	13" x 28"	44"	37"	21"	55
CTR-616-5T	100#PROP	244/300	101650/SC-11	Pneumatic	13" x 28"	44"	40"	21"	56

Handtrucks / Cylinder Holders / Cylinder Carts

Handtruck for Dockman and Cylinder Transport

- May be used to move small boxes and equipment.



Part No. WT-10*



Part No. CT-12-3

Part No.	Cylinder		Wheels		Base Dimension	Ht.	Width	Depth	Wt. (lbs.)
	Acetylene	Oxygen	No.	Type					
WT-10	300	244/300	101020	Semi-pneumatic	9" x 13.5"	47"	18"	11"	33
CT-12-3	(3) 300	244/300	101222	Pneumatic	9" X 25"	31"	31"	13.5"	53

Cylinder Holders

- All cylinder holders are packed 1 to a carton.
- 10 cylinder holders to a master carton.



Part No.	Weight	O.D. Cylinder Size
CH-104	2 lbs., 10 oz.	3-7/8" - 4-3/8"
CH-145	2 lbs., 12 oz.	5-1/4" - 5-3/4"
CH-105	3 lbs.	5-3/4" - 6-3/8"
CH-106	3 lbs., 4 oz.	6-1/2" - 7-1/4"
CH-107	3 lbs., 6 oz.	7-1/4" - 8"
CH-108	3 lbs., 8 oz.	8" - 8-3/4"
CH-185	3 lbs., 11 oz.	8-1/2" - 9"
CH-109	3 lbs., 13 oz.	9" - 9-3/4"
CH-110	4 lbs., 4 oz.	10" - 10-3/4"
CH-112	4 lbs, 12 oz.	12" - 13" MAPP®
CH-114	5 lbs., 10 oz.	14-1/2" - 15 1/4"

Heavy Duty and Industrial Trucks

The CHT Series carts are used for transporting cylinders, boxes, small equipment, etc. These carts have excellent control and maneuverability in warehouse situations. The CHT-10-3 is available with an optional stair climber. The Tandem Series is designed for narrow aisles and doors and works well in door-to-door service.



Part No. CHT-10-3S/C



Part No. CTR-TANDEM-10



Part No.	Cylinder		Wheels		Base Dimension	Height	Width	Depth	Wt. (lbs.)
	Acetylene	Oxygen	No.	Type					
CHT-10-3	300	244/300	101030	Pneumatic	9" x 13.5"	55.5"	22"	11.5"	31
CHT-10-3S/C	300	244/300	101030	Pneumatic	9" x 13.5"	55.5"	22"	11.5"	33
CHT-10-2	300	244/300	101020	Semi-pneumatic	9" x 13.5"	55.5"	22"	11.5"	31
CHT-14-1	300	244/300	101410	Semi-pneumatic	9" x 13.5"	55.5"	19"	15"	33
CTR-TANDEM-10	40/120	60/122	101010	Semi-pneumatic	10.5" x 17.5"	54"	14.5"	19"	26
CTR-1610-2H	300	244/300	101020	Semi-pneumatic	15" x 23"	46"	22"	31.5"	52
CTR-3016-5	300	244/300	101650/SC-11	Pneumatic	13" x 24"	62"	35"	38.5"	72
CTR-3016-5FW	300	244/300	101650/SC-11	Pneumatic	13" x 24"	62"	38"	38.5"	130
NITR-40	7.5"	7.5"	N/A	N/A	N/A	26"	8.5"	9"	6

Replacement Wheels

Part No.	Wheel Size	Bearing	Wheel	HUB	Corresponding Model No.
100610	6" x 1.50" x 1/2"	Ball Bearing	Semi-pneumatic	Steel	CTR-6, CTR-6-1T
100810	8" x 1.75" x 1/2"	Ball Bearing	Semi-pneumatic	Steel	CTR-8, CTR-8-1T
101010	10" x 1.75" x 5/8"	Ball Bearing	Semi-pneumatic	Steel	CTR-10, CTR-TANDEM-10
101020	10" x 2.75" x 5/8"	Ball Bearing	Semi-pneumatic	Steel	CTRB-10-2T, WT-10, CHT-10-2, CTR-1610-2H
101030	10" x 3.50" x 5/8"	Ball Bearing	Pneumatic	Steel	CHT-10-3, CHT-10-35/C
101210	12" x 1.75" x 5/8"	Ball Bearing	Semi-pneumatic	Steel	CTR-212-1T
101222	12" x 3.50" x 3/4"	Ball Bearing	Pneumatic	Steel	CT-12-3
101410	14" x 1.75" x 3/4"	Ball Bearing	Semi-pneumatic	Steel	CTR-214-1T, CTR-14, CTRV-514-1T, CHT-14-1
101611	16" x 1.75" x 1"	Nylon	Semi-pneumatic	Steel	CTR-216-1T, CTR-516-1T, CTR-616-1T
101650/SC-11	16" x 4" x 3/4"	Ball Bearing	Pneumatic	Steel	CTR-516-5T, CTR-616-5T, CTR-3016-5, CTR-3016-5FW
102010	20" x 3.25" x 1"	Nylon	Semi-pneumatic	Steel	CTR-520-1T
102410	24" x 2.5" x 1"	Nylon	Steel	Steel	CTS-24
100351	3" x 1/2"	Ball Bearing	Caster	Steel	CTRV-514-1T
SC-13	20" x 2-1/2"	Nylon	Steel	Steel	CTS-520-1T

Brackets and Stands



Part No.	Cylinder		Height	Width	Depth	Wt. (lbs.)
	Acetylene	Oxygen				
NITR-40	7.5"	7.5"	26"	8.5"	9"	6

Mini-MIG Carts

This MC-61 is a bolt-together MIG cart. Everything comes ready to assemble in a compact UPS shippable box. The MC-61 is sturdy yet light weight. The dimensions 17.25" H x 15.75" W x 27" D.

Weight 23 lbs.

- 6" plastic wheels

Part No. MC-61



MIG Carts

Lightweight for transporting a MIG welder and accompanying gas cylinder. 101020 Semi-pneumatic wheels. The cart is 50 lbs. and has dimensions of 42" H x 28" W x 19.5" D and a base dimension of 10" x 10".

Part No. SP910312



This cart is designed to carry a variety of mini-MIGs, inverters and plasma machines. The dimensions are 17" H x 14" W x 36" D.

Weight 38 lbs.

- 8" plastic wheels

Part No. UM-8



Cryogenic Carts

Frames braced for years of dependable service. 12" x 2-1/2" CIRB wheels in the front and 6" x 2-1/2" CIRB wheels in the back. The cart is 109 lbs. and has dimensions of 43" x 25".

Part No. LCT-12-6

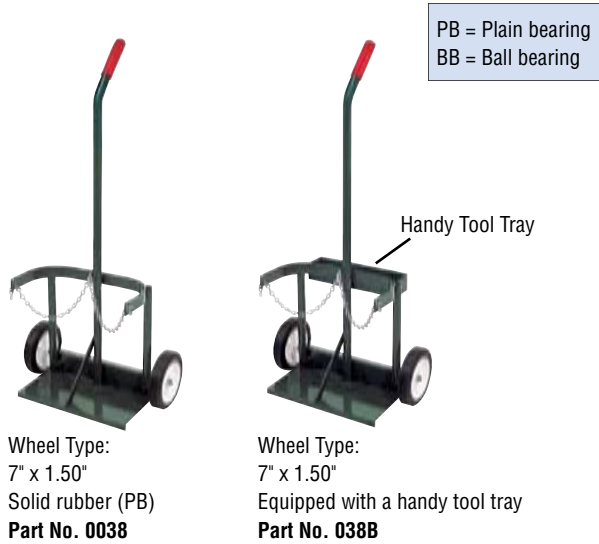


Small & Medium Size Cylinder Trucks

These trucks are ideal for use in repair shops, garages or where welding requirements may apply. Features include a reinforced frame, welding rod holders, zinc plated safety chain.

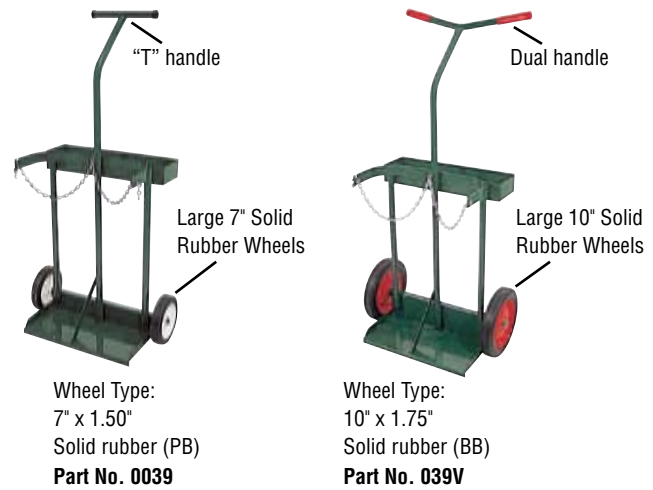
Small Size Cylinder Trucks

These very popular models are designed to handle a 50 to 80 cubic ft. oxygen and 40 cubic ft. acetylene. Maximum 8" diameter. Large 7" solid rubber wheels.



Medium Size Cylinder Trucks

These very popular models are designed to handle an 80 to 150 cubic ft. oxygen and small or medium acetylene or (1 cylinder up to 8-1/2" in diameter) and (1 cylinder up to 8" in diameter).

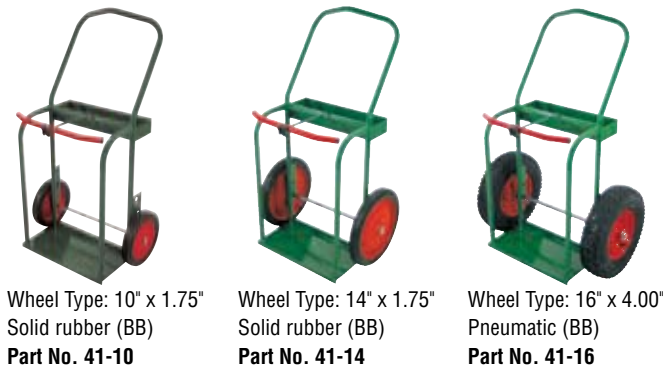


Medium Size Cylinder Trucks (Combined Cylinder Diameter - 16-1/2")

Anthony's "User Friendly" ergonomic patented handle design helps provide a more comfortable positioning of the hands for better control and maneuverability of the cart.



High Rail Frame Design



Low Rail Frame Design



Part No.	Wheel Dia. & Type	Max. Diameter Oxygen Cylinder	Max. Dia. Acetylene Cyl.	Combined Cylinder Dia.	Height	Width	Weight	Base Plate (I.D.) W x Depth
0038	7" x 1.50" S/R	7"	8"	15"	41"	19"	17 lbs.	15" x 7"
038B	7" x 1.50" S/R	7"	8"	15"	41"	19"	19 lbs.	15" x 7"
0039	7" x 1.50" S/R	8"	8-1/2"	16-1/2"	44"	21"	22 lbs.	16-3/4" x 8"
039V	10" x 1.75" S/R	8"	8-1/2"	16-1/2"	44"	21"	28 lbs.	19" x 9"
41-10	10" x 1.75" S/R	8-1/4"	8-1/4"	16-1/2"	42"	22"	34 lbs.	16-3/4" x 8"
41-14	14" x 1.75" S/R	8-1/4"	8-1/4"	16-1/2"	42"	22"	44 lbs.	16-3/4" x 8"
41-16	16" x 4.00" Pneumatic	8-1/4"	8-1/4"	16-1/2"	42"	27"	49 lbs.	16-3/4" x 8"
41-14S	14" x 2.00" Steel	8-1/4"	8-1/4"	16-1/2"	42"	26"	35 lbs.	16-3/4" x 8"
4-10	10" x 1.75" S/R	8-1/4"	8-1/4"	16-1/2"	42"	26"	34 lbs.	18-1/2" x 8-1/2"
4-14	14" x 1.75" S/R	8-1/4"	8-1/4"	16-1/2"	42"	26"	44 lbs.	18-1/2" x 8-1/2"
4-14S	14" x 2.00" Steel	8-1/4"	8-1/4"	16-1/2"	42"	28"	35 lbs.	18-1/2" x 8-1/2"
4-16	16" x 4.00" Pneumatic	8-1/4"	8-1/4"	16-1/2"	42"	31"	49 lbs.	18-1/2" x 8-1/2"

Large Oxygen & #5 or WK Acetylene Cylinder Trucks

High Rail Design

These models are designed for (1) large oxygen and (1) #5 or WK acetylene cylinder side-by-side. Features include our new "User Friendly" heavy gauge wrap around handle, high side rail design providing more positive cylinder containment, large tool tray and our exclusive fast action cylinder placement band with large tightening knob.



BB = Ball bearing



Wheel Type:
14" X 1.75"
Solid rubber (BB)
Part No. 24-14



Wheel Type:
24" X 2.00"
Steel (BB)
Part No. 24-24



Wheel Type:
16" X 4.00"
Pneumatic (BB)
Part No. 24-16

Low Rail Design

For the user who prefers the look and construction of a low rail cylinder truck, these models are designed for (1) large oxygen and (1) #5, WK, or 100 lbs. propane cylinder side-by-side. Features include our new "User Friendly" heavy gauge wrap around handle, large tool tray and zinc plated safety chain.



Wheel Type:
14" X 1.75"
Solid rubber (BB)
Part No. 2-14



Wheel Type:
16" X 4.00"
Pneumatic (BB)
Part No. 2-16



Wheel Type:
24" X 2.00"
Steel (BB)
Part No. 2-24

Solid bar threaded axles and lock nuts are standard on all models

Part No.	Wheel Diameter & Type	Maximum Diameter Oxygen Cylinder	Maximum Diameter Acetylene Cylinder	Combined Cylinder Diameter	Height	Width (O.D.)	Weight	Base Plate (I.D.) W x Depth
24-14	14" x 1.75" Solid rubber	9-1/2"	13-1/2"	23"	47"	29"	53 lbs.	23" x 12"
2-14	14" x 1.75" Solid rubber	9-1/2"	15"	24-1/2"	47"	31"	53 lbs.	24.5" x 12"
24-16	16" x 4.00" Pneumatic	9-1/2"	13-1/2"	23"	47"	33"	57 lbs.	23" x 12"
2-16	16" x 4.00" Pneumatic	9-1/2"	15"	24-1/2"	47"	36"	56 lbs.	24.5" x 12"
24-24	24" x 2.00" Steel	9-1/2"	13-1/2"	23"	47"	32"	64 lbs.	23" x 12"
2-24	24" x 2.00" Steel	9-1/2"	15"	24-1/2"	47"	34"	63 lbs.	24.5" x 12"

Large Oxygen & Medium Acetylene Cylinder Trucks

High Rail Design

These models are designed for (2) high or low pressure cylinders side-by-side. Features include our new "User Friendly" heavy gauge wrap around handle, high side rail design providing more positive cylinder containment, large tool tray and our exclusive fast action cylinder placement band with large tightening knob.



BB = Ball bearing



Wheel Type: 10" x 1.75"
Solid rubber (BB)
Part No. 85-10



Wheel Type: 14" x 1.75"
Solid rubber (BB)
Part No. 85-14



Wheel Type: 16" x 4.00"
Pneumatic (BB)
Part No. 85-16



Wheel Type: 24" x 2.00"
Steel (BB)
Part No. 85-24

Low Rail Design

For the user who prefers the look and construction of a low rail cylinder truck, these models are designed for (2) high or low pressure cylinders side-by-side. Features include our new "User Friendly" heavy gauge wrap around handle, large tool tray and zinc plated safety chain.



Wheel Type: 10" x 1.75"
Solid rubber (BB)
Part No. 8-10



Wheel Type: 14" x 1.75"
Solid rubber (BB)
Part No. 8-14



Wheel Type: 16" x 4.00"
Pneumatic (BB)
Part No. 8-16



Wheel Type: 24" x 2.00"
Steel (BB)
Part No. 8-24



Wheel Type: 10" x 2.75"
Solid rubber
Part No. 0081

Solid bar threaded axles and locknuts are standard on all models.

Part No.	Wheel Diameter & Type	Maximum Diameter Oxygen Cylinder	Maximum Diameter Acetylene Cylinder	Combined Cylinder Diameter	Height	Width (O.D.)	Weight	Base Plate (I.D.) W x Depth
85-10	10" x 1.75" Solid rubber	9 -1/4"	9 -1/4"	18-1/2"	46"	25"	38 lbs.	19" x 9"
8-10	10" x 1.75" Solid rubber	9 -1/4"	9 -1/4"	18-1/2"	46"	26"	38 lbs.	20.5" x 9"
0081	10" x 2.75" Solid rubber	9 -1/4"	9 -1/4"	18-1/2"	46"	28"	52 lbs.	19" x 9.5"
85-14	14" x 1.75" Solid rubber	9 -1/4"	9 -1/4"	18-1/2"	46"	25"	45 lbs.	19" x 9"
8-14	14" x 1.75" Solid rubber	9 -1/4"	9 -1/4"	18-1/2"	46"	27"	48 lbs.	20.5" x 9"
85-16	16" x 4.00" Pneumatic	9 -1/4"	9 -1/4"	18-1/2"	46"	29"	49 lbs.	19" x 9"
8-16	16" x 4.00" Pneumatic	9 -1/4"	9 -1/4"	18-1/2"	46"	32"	51 lbs.	20.5" x 9"
85-18	18" x 2.00" Steel	9 -1/4"	9 -1/4"	18-1/2"	46"	27"	54 lbs.	19" x 9"
8-18	18" x 2.00" Steel	9 -1/4"	9 -1/4"	18-1/2"	46"	27"	55 lbs.	20.5" x 9"
85-24	24" x 2.00" Steel	9 -1/4"	9 -1/4"	18-1/2"	46"	27"	56 lbs.	19" x 9"
8-24	24" x 2.00" Steel	9 -1/4"	9 -1/4"	18-1/2"	46"	27"	57 lbs.	20.5" x 9"

Heavy-Duty Single Cylinder Delivery Trucks

Designed to handle various size cylinders, these trucks will handle oxygen, acetylene, helium, propane, nitrogen, CO₂ etc. or any cylinder up to 12" in diameter. Features include a specially designed reinforced steel bottom plate that allows you to load and transport supplies or move objects safely with ease.

BB = Ball bearing



Height: 48"
Width: 18" (O.D.)
Weight: 38 lbs.
Wheel Type:
10" x 2.75"
Solid rubber (BB)
Part No. 0054



Height: 48"
Width: 22" (O.D.)
Weight: 37 lbs.
Wheel Type:
10" x 4.00"
Pneumatic (BB)
Part No. 54PN



Height: 48"
Width: 17" (O.D.)
Weight: 43 lbs.
Wheel Type:
14" x 1.75"
Solid rubber (BB)
Part No. 54-14

Stair Climber Models

Stair climber model trucks come equipped with stair climbers to assist when handling cylinders or other objects up and down stairs or over uneven surfaces. These models are designed to handle up to a 12" diameter cylinder.



Height: 48"
Width: 22" (O.D.)
Weight: 39 lbs.
Wheel Type:
10" x 4.00"
Pneumatic (BB)
Part No. 54PNSC



Height: 48"
Width: 18" (O.D.)
Weight: 40 lbs.
Wheel Type:
10" x 2.75"
Solid rubber (BB)
Part No. 54SC

Designed and balanced for those who transport high pressure cylinders on a daily basis, these trucks are equipped with rear assemblies that relieve the operator from a heavy load. Four popular models are available to accommodate your delivery needs. Choice of solid or pneumatic tires.

These models have a patented foldable rear assembly that can be quickly unlocked and closed for compact storage with large 4" casters, removable for repair or replacement.



Height: 48"
Width: 18" (O.D.)
Weight: 46 lbs.
Wheel Type:
10" x 2.75"
Solid rubber (BB)
Part No. 54FRA



Height: 48"
Width: 22" (O.D.)
Weight: 45 lbs.
Wheel Type:
10" x 4.00"
Pneumatic (BB)
Part No. 54PNFRA



Height: 48"
Width: 18" (O.D.)
Weight: 42 lbs.
Wheel Type:
10" x 2.75"
Solid rubber (BB)
Part No. 54SA



Height: 48"
Width: 22" (O.D.)
Weight: 41 lbs.
Wheel Type:
10" x 4.00"
Pneumatic (BB)
Part No. 54PNSA

Note: Not recommended for use with 6000 PSI cylinders.

Heavy-Duty Cylinder Delivery Trucks

Models with Load Rate of 500 Lbs.

Designed for those who need to do more than just handle cylinders on a daily basis, these trucks feature a specially constructed toeplate that allows you to load and transport supplies or move objects safely with ease. Choice of solid or pneumatic wheel models available.

BB = Ball bearing



Height: 48"
Width: 29" (O.D.)
Weight: 55 lbs.
Wheel Type:
10" x 2.75"
Solid rubber (BB)
Part No. 0055



Height: 48"
Width: 33" (O.D.)
Weight: 54 lbs.
Wheel Type:
10" x 4.00"
Pneumatic (BB)
Part No. 55PN

Dual Grip Handle - These models are designed to hold (2) cylinders up to 9-1/2" in diameter each. The most popular style delivery trucks on the market, these sleek units are designed with a dual grip handle so the operator can maneuver (2) large high pressure cylinders with ease. Choice of solid or pneumatic wheel models available.



Height: 48"
Width: 21" (O.D.)
Weight: 38 lbs.
Wheel Type:
10" x 2.75"
Solid rubber (BB)
Part No. 55-3B



Height: 48"
Width: 25" (O.D.)
Weight: 37 lbs.
Wheel Type:
10" x 4.00"
Pneumatic (BB)
Part No. 55PN3B

Designed and balanced for those who transport (2) 244 to 330 cu. ft. high pressure cylinders on a daily basis, the trucks below are equipped with rear assemblies that relieve the operator from the heavy load. Four popular models are available to accommodate your delivery needs. Choice of solid or pneumatic tires.

These models have a patented foldable rear assembly that can be quickly unlocked and closed for compact storage with large 4" casters, removable for repair or replacement.

Stationary Back

Stationary back assembly with large 4" rear casters.



Height: 48"
Width: 21" (O.D.)
Weight: 50 lbs.
Wheel Type:
10" x 2.75"
Solid rubber (BB)
Part No. 55-3B-FRA



Height: 48"
Width: 25" (O.D.)
Weight: 49 lbs.
Wheel Type:
10" x 4.00"
Pneumatic (BB)
Part No. 55PN3B-FRA



Height: 48"
Width: 21" (O.D.)
Weight: 55 lbs.
Wheel Type:
10" x 2.75"
Solid rubber (BB)
Part No. 55-3B-SA



Height: 46"
Width: 25" (O.D.)
Weight: 54 lbs.
Wheel Type:
10" x 4.00"
Pneumatic (BB)
Part No. 55PN3B-SA

Note: Not recommended for use with 6000 PSI cylinders.

Built In Firewall & Lifting Eye Series

The Anthony® Firewall Series is designed to restrict a flame generated from (1) acetylene or other welding fuel-gas cylinder placed adjacent to (1) oxygen cylinder on the same truck. The center baffle prevents heating the adjacent oxygen cylinder contents to such an extent that it causes expansion of the oxygen cylinder contents, which increases the PSI level higher than the D.O.T. prescribed safe pressure level. Should the oxygen cylinder contents be expanded beyond the D.O.T. safe level, the expanded contents could activate the safety control burst disc, which would then allow oxygen to be added to the fuel-gas cylinder generated flame, causing a more intense or expanded flame.

- **8 to 1 lifting safety ratio.**

Certified engineering calculations are available upon request.

To see what the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) has to say about Anthony's firewall compliance, log on to www.anthonycarts.com.

BB = Ball Bearing
RB = Tapered Roller Bearing

Anthony's cylinder cart firewalls are rated at 1 hour, twice the Federal OSHA standards.



Height: 60"
Width: 37" (O.D.)
Weight: 155 lbs.
Wheel Type: 16" x 4.00"
Pneumatic (BB)
Part No. 94LFW16



Height: 60"
Width: 37" (O.D.)
Weight: 178 lbs.
Wheel Type: 16" x 4.00"
Solid rubber (BB)
Part No. 94LFW16S



Height: 60"
Width: 46" (O.D.)
Weight: 208 lbs.
Wheel Type: 24" x 6.00"
Auto/Rim (RB)
Part No. 94-15LFW-24

Firewall Series

The purpose of the firewall partition is to restrict a flame generated by the welding fuel-gas cylinder from heating the adjacent oxygen cylinder and where a fire resistant wall is required for proper cylinder storage.

Features include a heavy-duty steel frame construction, Triple Battery Firewall Partition (patent pending), heavy gauge reinforcement toeplate, large slotted locking tool box (for locking away torches and regulators when not in use) and zinc plated safety chain.



Height: 62"
Width: 37" (O.D.)
Weight: 118 lbs.
Wheel Type: 16" x 4.00"
Pneumatic (BB)
Part No. 94FW16



Height: 62"
Width: 37" (O.D.)
Weight: 140 lbs.
Wheel Type: 16" x 4.00"
Solid rubber (BB)
Part No. 94FW16S

Lifting Eye Series (No Firewall)

These models are engineered and designed for the transporting and lifting of cylinders. Features include a **5 to 1 lifting safety ratio**, heavy-duty steel frame construction, large slotted locking tool box, our exclusive fast action cylinder placement bands and a heavy gauge reinforced toeplate. Certified Engineering Calculations on these models are available upon request.



Height: 64"
Width: 37" (O.D.)
Weight: 106 lbs.
Wheel Type: 16" x 4.00"
Solid rubber (BB)
5:1 Lifting safety ratio
Part No. 94L-16S



Height: 64"
Width: 37" (O.D.)
Weight: 79 lbs.
Wheel Type: 16" x 4.00"
Pneumatic (BB)
5:1 Lifting safety ratio
Part No. 94L-16



Height: 64"
Width: 46" (O.D.)
Weight: 148 lbs.
Wheel Type: 24" x 6.00"
Auto/RIM (RB)
5:1 Lifting safety ratio
Part No. 94-15L



Height: 64"
Width: 37" (O.D.)
Weight: 90 lbs.
Wheel Type: 24" x 2.00"
Steel (BB)
5:1 Lifting safety ratio
Part No. 94L-24

Single / Multiple C, D, & E Cylinder Carts, Racks and Stands

Multiple C, D & E Size Cylinder Carts & Stands



Part No. 6246

Part No.	Wheel Diameter & Type	Cylinder Capacity	Height	Width	Depth	Weight
6040	Stand	4	19.5"	10.5"	12.5"	10 lbs.
6060	Stand	6	19.5"	15"	12"	14 lbs.
6120	Stand	12	19.5"	22"	15"	21 lbs.
6180	Stand	18	20"	32"	20"	30 lbs.
6240	Stand	24	20"	32"	30"	38 lbs.
6400	Stand	40	20"	25"	40"	67 lbs.
6041	Cart - 10" x 1.75" solid rubber	4	42"	18"	10"	26 lbs.
6061	Cart - 10" x 1.75" solid rubber	6	42"	18"	15"	30 lbs.
6121	Cart - 10" x 1.75" solid rubber	12	42"	22"	15"	39 lbs.
6124	Cart - wheels & casters	12	42"	22"	20"	44 lbs.
6184	Cart - caster dia: 4" w/locks	18	42"	16"	30"	43 lbs.
6244	Cart - caster dia: 4" w/locks	24	42"	20"	30"	50 lbs.
6246	Cart - caster dia: 6" w/locks	24	46"	21.5"	31.5"	64 lbs.
6406	Cart - caster dia: 6" w/locks	40	46"	25"	46.5"	106 lbs.

Layered C, D & E Size Cylinder Carts & Racks



Part No. LC50-4

Part No.	Wheel Diameter & Type	Cylinder Capacity	Height	Width	Depth	Weight
LC50-4	Cart - caster dia: 5" w/ brake	50	73"	27"	32"	190 lbs.
LC50-4SD	Cart - caster dia: 5" w/removable steel doors designed for standard valve E type cylinders.	50	73"	27"	32"	190 lbs.
LC50-4SD-IVU	Cart - caster dia: 5" w/removable steel doors designed for use with integrated valve unit (IVU) E type cylinders. Max. cylinder length 35".	50	73"	27"	32"	190 lbs.
LR50	Rack	50	73"	27"	32"	174 lbs.
LR50-SD	Rack - w/removable steel doors designed for standard valve E type cylinders.	50	73"	27"	32"	174 lbs.
LR50-SD-IVU	Rack - w/removable steel doors designed for use with integrated valve unit (IVU) E type cylinders. Max. cylinder length 35".	50	73"	27"	32"	174 lbs.

Heavy-Duty Multi-Cylinder Delivery Carts

These heavy-duty carts are designed to transport multiple types and sizes of cylinders. Its unique slanted floor plate, deeper design, angles the cylinders to the rear of the cart for safety. Features include a rectangular design for compact nesting in delivery trucks, dual handles for easy maneuvering in tight places, heavy-duty rugged 6" steel locking casters and ratchet straps standard on all models.



Height: 48", Width: 42", Depth: 32"
Weight: 180 lbs.
Wheel Type: 6" x 2" steel swivel/brakes
or 6" x 2" steel rigid
Part No. CB50-4



Height: 48", Width: 42", Depth: 32"
Weight: 180 lbs.
Wheel Type: 6" x 2" steel swivel/brakes
or 6" x 2" steel rigid
Part No. CB50-4-SD

Single D & E Size Cylinder Cart & Mount

Wall mount with two ring frame



Height: 14"
Depth: 5" (O.D.)
Width: 5" (O.D.)
Weight: 4 lbs.
Part No. 610WM

Gurney/mask hook



Height: 41"
Depth: 10" (O.D.)
Width: 12" (O.D.)
Weight: 7.5 lbs.
Part No. 610S

Cylinder Stands / Cylinder Wall Brackets

Cylinder Wall Brackets and Cylinder Stands

Holds 7" to 9-1/2" Diameter Cylinders



Width: 11"
Depth: 6"
Weight: 3 lbs.
Part No. **WB100**



Width: 22"
Depth: 7"
Weight: 5 lbs.
Part No. **WB200**



Width: 11"
Depth: 6"
Weight: 3 lbs.
Part No. **WB100C**



Width: 22"
Depth: 7"
Weight: 5 lbs.
Part No. **WB200C**

Holds 10" to 15-1/2" Diameter Cylinders



Width: 16"
Depth: 12"
Weight: 4 lbs.
Part No. **WB100-15**



Width: 31"
Depth: 12"
Weight: 6 lbs.
Part No. **WB200-15**



Width: 16"
Depth: 12"
Weight: 4 lbs.
Part No. **WB100-15C**



Width: 31"
Depth: 12"
Weight: 6 lbs.
Part No. **WB200-15C**

Large Single & Dual Cylinder Stands

Holds Two 9" To 9-1/2" Cylinders

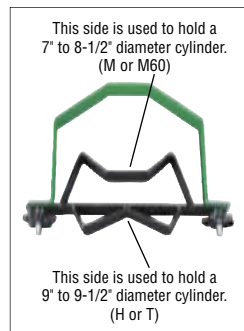
Patented Stand



Height: 48"
Depth: 10" (O.D.)
Width: 24" (O.D.)
Weight: 22 lbs.
Cylinder Capacity: 2
Part No. **CH-200-C**

Holds One 7" To 9-1/2" Cylinder

Patented Stand



Height: 13"
Depth: 18" (O.D.)
Width: 18" (O.D.)
Weight: 14 lbs.
Part No. **610FE**

40 To 150 Cubic Ft. Cylinder Trucks

Fits Cylinders Up to 8-1/4" in Diameter



Height: 40"
Depth: 12" (O.D.)
Width: 13" (O.D.)
Weight: 14 lbs.
Part No. **6108C**



Height: 40"
Depth: 12" (O.D.)
Width: 13" (O.D.)
Weight: 12 lbs.
Part No. **6108**

Cylinder Carts

Large 244 - 330 Cubic Ft. Medical Cylinder Trucks

Part numbers 6114 & 6214 are single & dual cylinder carts recommended for the transport & handling of large high pressure cylinders. They feature newly designed longer handles for ease of mobility, large 10" solid rubber front wheels and 4" rear casters for better maneuverability over rough or uneven surfaces. These units also come equipped with the newly designed and **patented** rear wheel retractable assembly. (Simply extend the rear mechanism into its locked position, tilt back and use). Part number 6114-R is equipped with a stationary rear assembly that is not retractable.



BB = Ball bearing



Retractable

38"

Height: 46"
Depth: 15" (O.D.)
Width: 15" (O.D.)
Weight: 30 lbs.
Wheel Dia: 10" X 1.75"
Solid Rubber (BB)
Caster: 4" X 1" swivel/post
Cylinder Capacity: 1
Part No. 6114



Not Retractable

38"

Height: 46"
Depth: 28" (O.D.)
Width: 15" (O.D.)
Weight: 30 lbs.
Wheel Dia: 10" X 1.75"
Solid Rubber (BB)
Caster: 4" X 1" swivel/post
Cylinder Capacity: 1
Part No. 6114R



Retractable

38"

Height: 46"
Depth: 28" (O.D.)
Width: 25" (O.D.)
Weight: 41 lbs.
Wheel Dia: 10" X 1.75"
Solid Rubber (BB)
Caster: 4" X 1" swivel/post
Cylinder Capacity: 2
Part No. 6214



46"

Height: 46"
Depth: 28" (O.D.)
Width: 25" (O.D.)
Weight: 31 lbs.
Wheel Dia: 10" X 1.75"
Solid rubber (BB)
Cylinder Capacity: 2
Part No. 6210



46"

Height: 46"
Depth: 15" (O.D.)
Width: 15" (O.D.)
Weight: 23 lbs.
Wheel Dia: 10" X 1.75"
Solid rubber (BB)
Cylinder Capacity: 1
Part No. 6110

Large Single Cylinder Trucks (Maximum Cylinder Diameter - 16")

These heavy-duty single cylinder trucks are designed to carry (1) cylinder no greater than 16" in diameter. The combination of an all welded double reinforced steel frame combined with a heavy gauge baseplate and (2) sets of safety chains makes these trucks rugged & dependable in any application.

Stationary rear assembly with heavy-duty 4" casters w/ locks for taller cylinders



Height: 50"
Width: 20" (O.D.)
Weight: 34 lbs.
Wheel Type: 10" X 2.75"
Solid rubber (BB)
Part No. 0088



Height: 50"
Width: 24" (O.D.)
Weight: 38 lbs.
Wheel Type: 10" X 4.00"
Pneumatic (BB)
Part No. 88PN



Height: 50"
Width: 20" (O.D.)
Weight: 54 lbs.
Wheel Type: 10" X 2.75"
Solid rubber (BB)
Part No. 088R



Height: 50"
Width: 24" (O.D.)
Weight: 58 lbs.
Wheel Type: 10" X 4.00"
Pneumatic (BB)
Part No. 088PNR

Large Liquid Cylinder Trucks

This new (patented) modern design provides for safe & easy handling of large liquid cylinders. These trucks have a fast adjusting lifting hook designed to fit a large variety of liquid cylinders on the market today. Features include a 3 point tilt design, heavy-duty reinforced lightweight tubing frame, top ring safety chain, fast adjusting nylon belly-band & large 6" heavy duty rear locking casters that can be easily removed & replaced for repair & maintenance.

Handles the most popular and tallest cylinders on the market today.

Lifting hook range: 56-1/4" to 61-3/4" (measure from the ground to the top of the cylinder eyelet hole)



Fast action self-setting "belly-band" with thumb release for added safety when transporting a cylinder long distances over rough or uneven surfaces.



Fast action adjustable vertical lifting hook (patented) handles a large variety of liquid cylinders



Operation instruction labels, in picture form, showing how to use the truck.

Heavy-duty double reinforced tubing frame design.

Large 6" heavy-duty locking swivel casters that can easily be removed for repair or replacement.

Height: 46"
Width: 28" (O.D.)
Weight: 92 lbs.
Part No. 87U-4

Wheel type:
16" X 4.00" pneumatic (BB)
6" X 2" swivel casters w/locks

Additional wheel types to choose from (not shown):

Height: 46"
Width: 26" (O.D.)
Weight: 85 lbs.
Wheel Type: 10" X 2.75" solid rubber (BB); 6" X 2" swivel casters w/locks
Part No. 86U-4

Height: 46"
Width: 28" (O.D.)
Weight: 124 lbs.
Wheel Type: 16" X 4.00" solid rubber (BB); 6" X 2" swivel casters w/locks
Part No. 87U-4S

Industrial Wheels And Casters

Part No.	Wheel Dia.	Width	Bore	Type	Description	Load Rating	Corresponding Model No.
OW-1	6"	1.50"	1/2"	PB	Semi-pneumatic	30 lbs.	6105
OW-3	7"	1.50"	1/2"	PB	Solid rubber	150 lbs.	0038, 038B, 0039
OW-5	8"	1.50"	1/2"	PB	Solid rubber	125 lbs.	6108, 6108-C
W-11	10"	1.75"	5/8"	BB	Solid rubber	200 lbs.	0043, 039V, 41-10, 4-10, 85-10, 8-10, 6114, 6114R, 6110, 6214, 6210, 6041, 6061, 6121, 6124
W-12PN	10"	4.00"	3/4"	BB	Pneumatic	250 lbs.	88PN, 88PN-R, 86U-4PN, 55PN, 55PN-3B, 55PN-3B-FRA, 55PN-3B-SA, 54PN, 54PN-SC, 54PN-FRA, 54PN-SA
W-13	10"	2.75"	3/4"	BB	Solid rubber	300 lbs.	81, 88, 88-R, 86U-4, 55, 55-3B, 55-3B-FRA, 55-3B-SA, 54, 54-FRA, 54-14, 2-14
W-15	14"	2.00"	3/4"	BB	Solid rubber	275 lbs.	41-14, 4-14, 85-14, 8-14, 24-14, 2-14, 54-14, 94-14
W-17PN	16"	4.00"	3/4"	BB	Pneumatic	400 lbs.	41-16, 4-16, 85-16, 8-16, 24-16, 2-16, 94LFW-16, 94L-16, 94-16, 87U-4
W-17SP	16"	4.00"	3/4"	BB	Solid rubber	350 lbs.	85-16S, 8-16S, 24-16S, 2-16S, 94LFW-16S, 94L-16S, 94-16S, 87U-4S
W-18	18"	2.00"	3/4"	BB	Steel	275 lbs.	41-18, 4-18, 85-18, 8-18, 24-18, 2-18, 94LFW-18 94L-18
W-19	24"	2.00"	3/4"	BB	Steel	275 lbs.	85-24, 8-24, 24-24, 2-24, 94LFW-24, 94L-24 94-24, 84-24
W-22	4"	1.50"	3/8"	PB	Rubber swivel/brake	200 lbs.	88-R, 88PN-R, 54-SA, 54PN-SA, 6184, 6244, 55PN-3B-SA, 55-3B-SA
W-22PS	4"	1.25"	3/8"	PB	Rubber swivel w/stem	140 lbs.	6114, 6114R, 6214, 55PN-3B-FRA, 55-3B-FRA, 54-FRA, 54PN-FRA
W-23R	6"	2.00"	1/2"	RB	Rubber rigid	600 lbs.	6246, 6406
W-24R	6"	2.00"	1/2"	RB	Rubber swivel/brake	600 lbs.	87U-4, 87U-4S, 86U-4, 86U-4PN, 6246, 6406
W-26	2"	1"	1/2"	PB	Sintered Iron	150 lbs.	87U-4, 87U-4S, 86U-4, 86U-4PN

Manual Products

Cable Connectors

- Heavy-duty ball-point set screw cable connection.
- Fully insulated covers for maximum safety.
- Interchangeable with most popular models.
- Connector locking screw designed for longer life and superior electrical connection.



Part No.	Cable Sizes	Details
01BC	4,2,1 (35-50 mm ²)	1BC-F: female 1BC-M: male
2-1BC	4,2,1 (35-50 mm ²)	Mates w/ 2BC-F or 4BC-F
02BC	1/0, 2/0, 3/0 (50-70 mm ²)	2BC-F: female 2BC-M: male
04BC	3/0, 4/0 (70-95 mm ²)	4BC-F: female 4BC-M: male

Positive Lock Terminal Lugs

- Lug screw designed for enhanced field repairability.
- Composite copper alloys for superior conductivity.
- Increased cable depth for better connections.
- Fully insulated covers are heat, oil and abrasion resistant.



Part No.	Accepts Cable Connector(s)
B-1AF	1BC-M
B-2AF	2BC-M, 4BC-M, 2-1BC

Hammer-On Cable Lugs & Splicers

- Simple as driving a nail to attach.
- No soldering, no bolting, no set screws, no crimping tools required.
- Twice as heavy as most crimp-type connectors.
- Same conductivity as the cable they connect.



Lugs

Part No.	Cable Sizes	Size of Stud Hole	ID Cable Socket
0L11	3/0 and 4/0	21/32"	5/8"
0L22	1/0 and 2/0	17/32"	33/64"
0L33	2 and 1	33/64"	13/32"
0L44	6 thru 2	13/32"	19/64"

Splicers

Part No.	Cable Sizes	ID Cable Socket
0S11	3/0 and 4/0	5/8"
0S22	1/0 and 2/0	33/64"
0S33	2 and 1	13/32"

Solder Type Lugs

- Copper alloy for excellent electrical conductivity.
- Flared end for easy cable access.
- Stud hole size 17/32.



Part No.	Cable Sizes	Amperage Rating	Size of Stud Hole	ID Cable Socket
B-62	6-2	150	17/32"	.461"
B-120	1-2/0	225	17/32"	.559"
B-3040	3/0 and 4/0	250	17/32"	.660"

Shortstub®

- Electrode can be used to within one inch of the high heat, high impact head.
- Capable of utilizing more of the electrode than the typical tong-type holder.
- Greatly improves productivity – it is designed for quick, easy installation of electrodes.
- Built to last with a proven high impact, high heat replaceable head.
- Over 2,000 pounds of gripping pressure.
- Time-tested design.

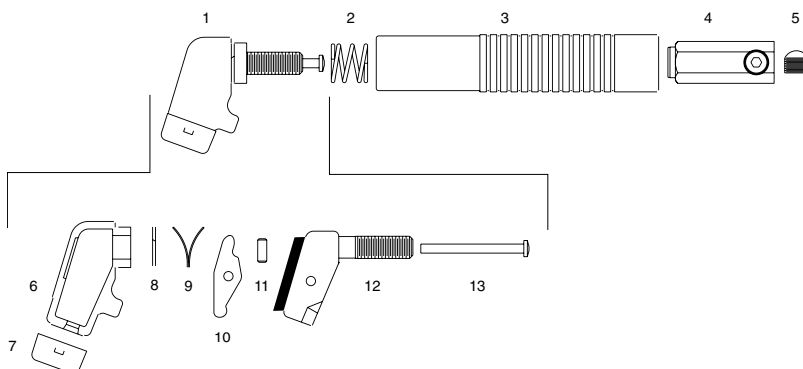


Part No. 040B

Specifications	Accessories for Part No. 040B
Capacity	400 AMPs/60% duty cycle
Electrode Size	1/16"-1/4" (1.6 - 6.4mm)
Weight	17 oz. (481 g)
Length	8-3/4" (22 cm)
Cable Connection	Model "B" large ball point screw connection
Cable Socket	19/32" (1.5 cm)

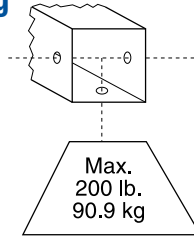
Replacement Parts

Item	Part No.	Description
1	0K40	Head Assembly
2	00S5	Coil Spring
3	0MH4	Handle (molded)
4	0B37	Connector Body
5	0B33	Ball Point Set Screw
6	00EL	Head Insulators (pair)
7	0BB4	Boot
8	0SR4	Snap Ring
9	00V4	V Jaw Spring
10	00J4	Jaw
11	0JP4	Jaw Pin
12	00H4	Head
12	0PP4	Pressure Pin



⚠️ Bernard Boom and Cart Warning

1. Boom must not be loaded beyond 200 lbs (90.9 kg); this should be a balanced, hanging load.
2. When boom is mounted on cart, outrigger screws must be firmly tightened against floor, and adequate ballast must be provided.
3. When boom is mounted on cart, all weight must be removed from the boom before the cart can be moved.
4. Add proper ballast before extending boom. See diagram with "ballast requirements" to the far right.
5. Check boom daily for safe operation. Carefully test the installation by swinging the boom through its full rotation before placing unit into service.

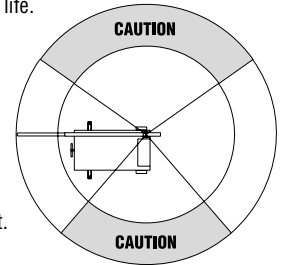


6. Any boom in a high use application (continually swung side to side, loaded near maximum weight at full extension) should have the mast periodically inspected and regreased. Greasing all other pivot points on the boom will give smoother operation and increased boom life.

Ballast Requirements

1. 360° with 1000 lbs. ballast when boom is fully retracted.
2. 2000 lbs. ballast required for full boom extension in shaded areas.

NOTE: Power sources, water in tank and other weighted objects can be considered ballast.



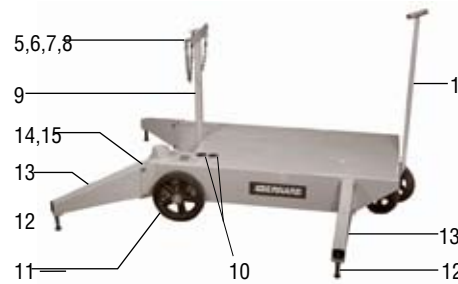
Carts

- Maximum capacity available from 2000 lbs. to 3000 lbs.
- Durable rubber tires and cast iron wheels.
- Swivel front steering.
- Bernard Carts make the work station accessible by organizing and storing power sources, feeders, gas cylinders and water coolers.
- Rack holds 2 cylinders.

2910 Cart

Wheels: front 10" (25.6 cm) rear 12" (30.7 cm)
Capacity: 3000 lbs (1360 kg)
Cart size: 57" x 30" x 8-3/4", (144.8 x 76.8 cm x 22.2 cm)
Weight: 333 lbs (151 kg)

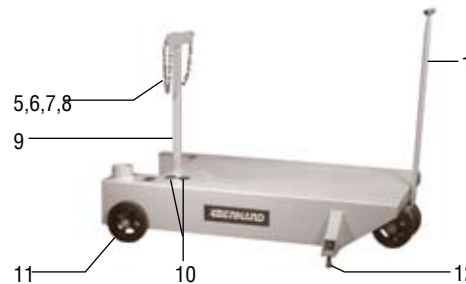
Part No. 2910



2710 Cart

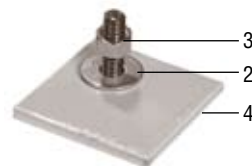
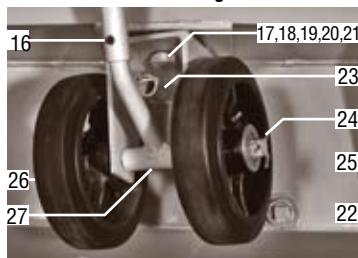
Wheels: 8" (20.5 cm) diameter
Capacity: 2000 lbs. (907 kg)
Cart size: 57" x 30" x 8-3/4"
 (146 x 76.8 cm x 22.4 cm)
Weight: 233 lbs (105.9 kg)

Part No. 2710



Item	Cart		Description	Qty.
	2910	2710		
1	0709	0709	Handle assembly	1
2	1056	1056	Washer	4
3	1055	1055	Mounting pad nut	4
4	1087	1087	Mounting pad	4
5	1041	1041	Chain	1
6	1456	1456	Nut (for chain)	2
7	1452	1452	Washer (for chain)	2
8	1103	1103	Bolt (for chain)	1
9	0708	0708	Cylinder support	1
10	2036	2036	Cap plug	2
11	0924	0710	Rear wheel	2
12	2902	2704	Leveling screw	2
13	0951		Gusset assembly	4
14	2420		Clevis pin	8
15	1040		Cotter pin	8
16	1045	1045	Handle pin	1
17	0947	0947	Nut (front wheel)	1
18	1034	1034	Washer	1
19	0921	0921	Bolt (front wheel)	1
20	1046	1046	Nylon washer	1
21	0916	0721	Swivel bushing	1
22	0719	0719	Drain plug	1
23	0723	0723	Spring	1
24	0932	0932	Cotter pin	4
25	0922	1034	Washer	4
26	0923	0710	Front wheel	2
27	0941	0714	Front wheel bracket	1

Front Wheel and Mounting Pad Breakdown



Mounting pad welds easily to cart, providing a secure anchor of power sources.

NOTE: Fill cart with water prior to welding pads to cart.

Booms

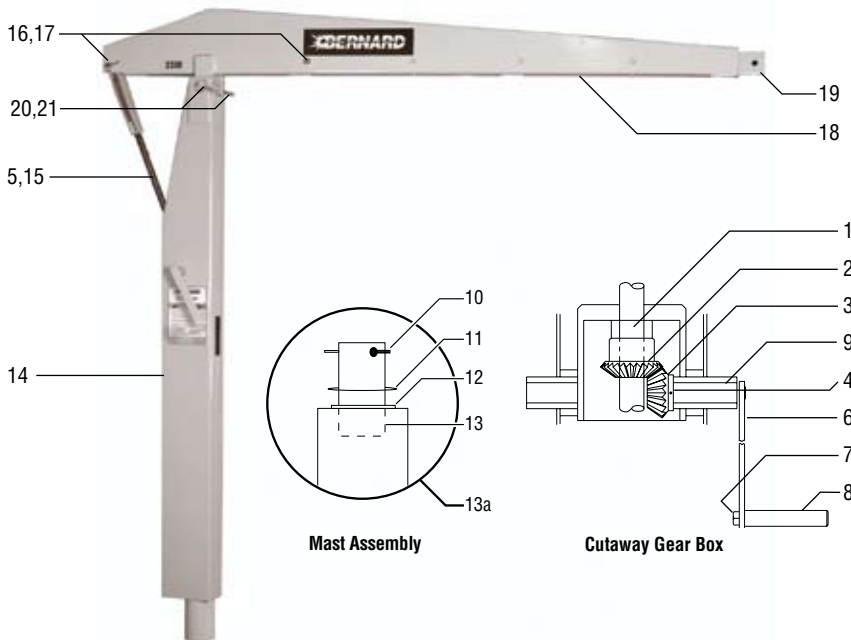
Booms

- Easy telescoping boom sections create greater horizontal reach.
- Single handle crank for superior elevation.
- Boom locking device for added safety, optional on 2300.
- Holds up to 200 pounds hanging load at maximum reach.
- 360° rotation with proper ballast.

2300 Boom

- Fits carts: 2710 and 2910.
- **Horizontal Reach:** 5' to 8' (1.5 to 2.5 m) **Elevation:** 3' to 14' (.9 to 4 m)
- **Capacity:** 200 lbs (90.9 kg) **Rotation:** 360°
- **Shipping Weight:** 110 lbs (50 kg)

Part No. 2300



2300 Boom

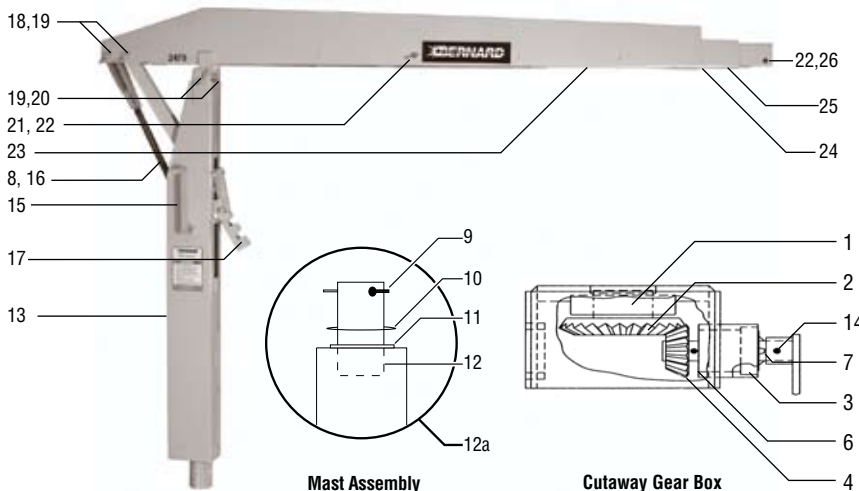
Item	Part No.	Description	Qty.
1	2329	Thrust bearing	1
2	2327	Gear	1
3	2328	Pinion	1
4	2334	Roll pin	1
5	2335	Rod stop pin	1
6	2346	Handle bar	1
7	2332	Handle bolt	1
8	2342	Handle	1
	2323	Handle assembly (includes 6,7,8)	
9	2479	Grease fitting	1
10	1040	Cotter pin	1
11	1034	Washer	1
12	1046	Nylon washer	1
13	2319	Mast	1
13a	2352	Mast assembly (includes 10,11,12,13)	
14	2349	Upright	1
15	2326	Lifting rod	1
16	2331	Hairpin clip	2
17	2344	Pin	2
18	2337	Main boom	1
19	2301	Boom extension	1
20	2320	Pivot pin	1
21	2424	Hair pin clip	2
	2696K	Boom locking device*	1

* Optional

2475 Boom

- Fits cart: 2910.
- **Horizontal Reach:** 6' to 14' (1.8 to 4.3m) **Elevation:** 3' to 17' (.9 to 5m)
- **Capacity:** 200 lbs (90.9 kg) **Rotation:** 360°
- **Shipping Weight:** 192 lbs (87 kg)

Part No. 2475



2475 Boom

Item	Part No.	Description	Qty
1	2436	Thrust bearing	1
2	2431	Gear	1
3	2435	Bearing	2
4	2432	Pinion gear	1
5	2427	Pinion arm	1
6	2334	Roll pin	1
7	3504	Retaining ring	1
8	2423	Rod stop pin	1
9	1040	Cotter pin	1
10	0922	Washer	1
11	1046	Nylon washer	1
12	2290	Mast	1
12a	2296	Mast assembly (includes 9,10,11,12)	
13	2460	Upright assembly	1
14	2437	Handle roll pin	1
15	2408	Handle assembly	1
16	2422	Lifting rod	1
17	2466	Boom locking device	1
18	2471	Pin	2
19	2424	Hairpin clip	6
20	2469	Pivot pin	1
21	2419	Clevis pin	1
22	2331	Hairpin clip	3
23	2367	Main boom section	1
24	2369	Center boom section	1
25	2372	Front boom section	1
26	2420	Clevis pin	2

BOOM Mounting System

- Boom mounts are the right choice when space is limited on the shop floor or when a fixed installation is desired.
- Both models provide excellent stability and fit all Bernard booms.

Floor Mount

- Floor mount bolts to the platform of a truck or shop floor.
 - **Capacity:** 200 lbs. (90.9 kg)
 - **Size (H x L x W):** 14" x 14" x 14"
(35.56 cm x 35.56 cm x 35.56 cm)
 - **Mounting Holes:** 13/16" (2.06 cm)
 - **Weight:** 37 lbs (16.7 kg)
- Part No. 2380**



Wall Mount

- Wall Mount bolts to a vertical steel column or masonry wall.
 - **Capacity:** 200 lbs (90.9 kg)
 - **Size (H x L x W):** 16" x 16" x 7"
(40.64 cm x 40.64 cm x 17.78 cm)
 - **Mounting Holes:** 13/16" (2.06 cm)
 - **Weight:** 42 lbs. (19 kg)
- Part No. 2390**



Aquasol CORPORATION

EZ Tape™

EZ Tape™ is traditional aluminum welding tape that can be used to seal root gaps while purging, however, we recommend EZ Zone™ Tape be used for this purpose to achieve the purest weld. EZ Tape™ has many other conventional uses in the field such as sealing pipe ends for transporting, sealing ducts for heating, air conditioning and refrigeration, and acting as a vapor barrier.



Part No.	Size
EZ Tape™	
EZ-T2.0	2" x 75'
EZ Zone™ Tape	
EZ-ZT2.5	2.5" x 75'
EZ-ZT4.0	4" x 75'

EZ Wipes™ Canister

EZ Wipes™ allow a welder to quickly and effectively clean pipes prior to welding, reducing the risk of weld contamination and increasing the number of pure finished welds. EZ Wipes™ feature a specialized two-sided cleaning fabric, an abrasive side to loosen dried on surface contaminants and a smooth side to reveal a cleaner, polished surface.



Part No.	Description
EZW-30	30 per canister
EZW-70	70 per canister

EZ Purge™ Paper

Aquasol® water-soluble paper and tape is a cost saving alternative to conventional purging systems. This paper is used to dam argon or helium gases during tungsten inert gas (TIG) welding of steel or aluminum pipes. Aquasol® water-soluble paper dissolves instantaneously. Use water soluble tape for fast adhesion of paper to pipe.

- ASW-35 (.0035" thick) is for use on pipes 4"ID or less.
- ASW-60 (.0060" thick) is for use on pipes 4"ID or greater.



Part No.	Size
35S-11	8.5" x 11" 500/CA
35S-14	8.5" x 14" 500/CA
60S-22	15" x 22" 250/CA
35S-22	17" x 22" 500/CA
35R-9	9" x 165'
35R-15	15" x 165'
60R-15	15.5" x 165'
60R-31	31" x 165'
Water Soluble Tape	
WT-1	1" x 300'
WT-2	2" x 300'

Water Soluble Products / Magnetic Ground Clamp

EZ Purge™ Pre-formed Purge Dams

Since EZ Purge™ is pre-formed, there is no need to measure, cut, or construct a purge dam. The pre-formed dam includes a generous amount of water soluble tape. There is no need to buy separate inventories or carry heavy rolls and tools to the job site. Your purge dam is complete and ready to use.



Part No.	Pipe Diameter	Std. Pkg
EZP-4	4"	48
EZP-6	6"	48
EZP-8	8"	48
EZP-10	10"	48
EZP-12	12"	48
EZP-14	14"	24
EZP-16	16"	24
EZP-18	18"	24
EZP-20	20"	24
EZP-24	24"	24

LiquiFilm™

LiquiFilm™ is an alternative to traditional purging systems and serves as ideal solution when total purging is impractical or costly.

Kit includes:

- (1) water soluble purge dam film (wound on core for easy dispense).
- (2) 250 ml. (8.5 fl. oz.) bottles water soluble adhesive.
- (1) Aquasol® cutting knife.
- Instruction sheet.



Part No.	Description
AWSF-1/20RG	39" x 65' kit
AWSF-1/20B	39" x 65' film only
AWSG-500	500 ml. adhesive only
AWSG-250	250 ml. adhesive only



Welder's Magnetic Ground Clamps

- Spring-loaded electrode secures ground to work surface.
- Rotating stud assembly allows ground wire to rotate 360° free of work area.



Part No.	Pull (lbs.)	Dimensions (Inches)	AMPS
MGC-1	55	3-1/2" x 2"	250
MGC-2			800

Plug and Receptacles

Cam-Lok has been supplying high quality electrical connectors to the welding industry for more than 40 years. No other manufacturer offers a broader line of connectors for both general welding and watertight applications. With Cam-Lok you're sure to find a connector size and style to meet your special needs. Leading OEM suppliers of welding equipment prefer Cam-Lok connectors because they are safe and can be quickly connected and disconnected from portable welding equipment.

Best of all, cables of various sizes can be interconnected within each Cam-Lok Series. Using the variety of available Cam-Lok accessories, you can establish a complete welding distribution system. For example, you can distribute power down from 750 MCM to #2 cable. Distribution blocks, tees, receptacles, and female terminal receptacles all carry Cam-Lok's high standards of safety and reliability.

Interconnectability

All Cam-Lok connectors within a series have the same connection diameter, allowing you to connect smaller cables to larger ones. For example, in the E1012 Series, you can connect a #2 to a 4/0 cable connector without an adaptor.

Cam-Lok Action For High Conductivity

Cam-Lok's double cam principle provides a positive, vibration-proof connection. Just 1/3 of a turn assures a high pressure contact approaching 600 lbs. per sq. in., providing minimum resistance. It gives the best electrical and mechanical connection possible. There is no moving of contact surfaces and, therefore, no arcing or burning of contacts. The contacts are a high conductivity copper base alloy, carefully machined to a smooth sliding fit, even before locking. They are SELF-COMPENSATING for wear. Locked contacts will withstand a pulling force of 1,000 lbs.

Panel Receptacles

Available in high-impact plastic or synthetic rubber styles, Cam-Lok panel mounted receptacles permit cables to be quickly connected or disconnected to the equipment without special tools. Both male and female receptacles are available in red or black for easy circuit identification. Comes with threaded stud for lug connection and conduit lock nut for securing receptacle to panel.

F-Series

Originally known as Fibre Series, these low-resistance, general purpose welding connectors give you important new features. Now made of reinforced thermoplastic, they provide longer life under the rigors of heat treating and stress relieving applications.

These heat-stabilized insulators can handle ambient temperatures in the range of 400° F on an intermittent basis without deterioration. Available in red and black for easy circuit identification.

Economical F-Series connectors are ideal for use on welding power supplies, distribution panels, and patch panels, as well as heat treating and stress relieving applications.



J-Series

J-Series feature synthetic rubber insulators of one piece construction—the ultimate in connector technology. For use in difficult welding environments, they are splash-tight and shatter-resistant with built-in strain relief. There are no exposed pins. Both male and female contacts are recessed to prevent arcing or burning.

Choose molded-to-cable or field-attachable styles.

J-Series are available in red and black synthetic rubber for easy phase identification.

If you're choosing a welding connector for the first time, J-Series offers all the features you'll want to start with and stay with.



Standard Series

This is the original watertight connector chosen by major OEM providers of welding equipment. The efficient "ball-nose" design provides a splash-tight seal.

These reliable Standard Series connectors have been used for years in shipyards, construction sites, and power plants. Standard Series connectors are available in both molded-to-cable and field-attachable versions. They are easily interconnectable with existing distribution blocks and systems with the "ball nose" design manufactured by major OEM's.



Connectors and Accessories

E1010 F-Series

Cable size #8-#4, 120 volts, rated up to 150 amperes continuous, 200 amperes intermittent



Part No. E1010-62

Part No. E1010-72

Dimensions:

Male: length 2-1/2", diameter 5/8"

Female: length 3", diameter 5/8"

Cable Connector	Cable Size	Color	Male Plug		Female Plug		Retaining Pin Part No.
			Complete Part No.	Insulator Part No.	Complete Part No.	Insulator Part No.	
Set-Screw	#8-#4	Red	E1010-61	201281-410RM	E1010-71	201281-410RF	A100091-2
	#8-#4	Black	E1010-62	201281-410BM	E1010-72	201281-410BF	A100091-2
Solder	#8-#4	Red	E1010-101	201281-410RM	E1010-111	201281-410RF	A100091-2
	#8-#4	Black	E1010-102	201281-410BM	E1010-112	201281-410BF	A100091-2

Female Terminal Connectors

- Bolt Hole: 5/16"



Part No. E1010-182

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
#8-#4	Red	E1010-181	E1010-201
#8-#4	Black	E1010-182	E1010-202

High-Impact Plastic Receptacles



Part No. E1010-302

Part No. E1010-308

Dimensions:

Female: length 1-5/8", 1/4"-20 thread, 1/2" long

Cable Size	Color	Part No.	Receptacle
#8-#4	Red	E1010-301	Female
#8-#4	Black	E1010-302	Female
#8-#4	Red	E1010-307	Male
#8-#4	Black	E1010-308	Male

E1012 F-Series

Cable Size #2-4/0, 120 volts, rated up to 315 amperes continuous, 550 amperes intermittent

High Impact Plastic Receptacles



Part No. E1012-302

Part No. E1012-306

Dimensions:

Male: length 2-7/8", 1-9/16" long

Female: length 1-13/16", 3/8"-16 thread, 1-9/16" long

Cable Size	Color	Angle Style Part No.	Receptacle	Application
#2-3/0	Red	E1012-301	Female	Light duty
#2-3/0	Black	E1012-302	Female	Light duty
#2-4/0	Red	E1012-303	Female	Medium duty
#2-4/0	Black	E1012-304	Female	Medium duty
#2-4/0	Red	E1012-305	Female	Heavy duty
#2-4/0	Black	E1012-306	Female	Heavy duty
#2-3/0	Red	E1012-307	Male	All applications
#2-4/0	Black	E1012-308	Male	All applications

Female Terminal Connectors



Part No. A201317-1

Bolt Hole: 1/2"

Part No. A201317-3

Bolt Hole: 1/2"

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
#2-3/0	Red	A201317-1	A201317-5
#2-3/0	Black	A201317-2	A201317-6
4/0	Red	A201317-3	N/A
4/0	Black	A201317-4	N/A

Three Way "T" Connectors



Part No. E1012-2324

Part No. E1012-2312

Cable Size	Color	Paralleling "T" Part No.	Tapping "T" Part No.
#2-4/0	Black	E1012-2324	E1012-2312 - Female

E1012 F-Series

Cable size #2-4/0, 120 volts, rated up to 315 amperes continuous, 550 amperes intermittent



Part No. E1012-63



Part No. E1012-71

Dimensions:

Male: length 4",
diameter 1-1/4"

Female: length 4",
diameter 1-1/4"

Cable Connector	Cable Size	Color	Male Plug		Female Plug		Retaining Pin Part No.
			Complete Part No.	Insulator Part No.	Complete Part No.	Insulator Part No.	
Set Screw	#2-1/0	Red	E1012-61	201281-612RM	N/A	N/A	A100091-4
	#2-1/0	Black	E1012-62	201281-612BM	N/A	N/A	A100091-4
	1/0-3/0	Red	E1012-63	201281-712RM	E1012-71	201281-712RF	A100091-5
	1/0-3/0	Black	E1012-64	201281-712BM	E1012-72	201281-712BF	A100091-5
	3/0-4/0	Red	E1012-65	201281-812RM	E1012-73	201281-812RF	A100091-6
	3/0-4/0	Black	E1012-66	201281-812BM	E1012-74	201281-812BF	A100091-6
Solder	#2-1/0	Red	E1012-101	201281-612RM	N/A	N/A	A100091-4
	#2-1/0	Black	E1012-102	201281-612BM	N/A	N/A	A100091-4
	1/0-3/0	Red	E1012-103	201281-712RM	E1012-111	201281-712RF	A100091-5
	1/0-3/0	Black	E1012-104	201281-712BM	E1012-112	201281-712BF	A100091-5
	3/0-4/0	Red	E1012-105	201281-812RM	E1012-113	201281-812RF	A100091-6
	3/0-4/0	Black	E1012-106	201281-812BM	E1012-114	201281-812BF	A100091-6



Part No. E1012-8300



Part No. E1012-8325

Dimensions:

Male: length 5-9/32",
diameter 1-1/2"

Female: length 6-1/16",
diameter 1-1/2"

Cable Connector	Cable Size	Color	Male Plug		Female Plug			
			Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Single Set Screw	#2-2/0	Black	E1012-8300	A200081-1	A200068-19	E1012-8325	A200067-1	A200069-19
	#2-2/0	Red	E1012-8302	A200081-1	A200068-21	E1012-8327	A200067-1	A200069-21
	2/0-4/0	Black	E1012-8312	A200080-1	A200068-13	E1012-8337	A200066-1	A200069-13
	2/0-4/0	Red	E1012-8314	A200080-1	A200068-15	E1012-8339	A200066-1	A200069-15
Double Set Screw	#2-2/0	Black	E1012-8350	A200643-1	A200068-19	E1012-8375	A200640-1	A200069-19
	#2-2/0	Red	E1012-8352	A200643-1	A200068-21	E1012-8377	A200640-1	A200069-21
	2/0-4/0	Black	E1012-8362	A200644-1	A200068-13	E1012-8387	A200642-1	A200069-13
	2/0-4/0	Red	E1012-8364	A200644-1	A200068-15	E1012-8389	A200642-1	A200069-15
Crimp or Solder	#2-#1	Black	E1012-8006	A200036-30	A200068-19	E1012-8056	A200037-35	A200069-19
	#2-#1	Red	E1012-8008	A200036-30	A200068-21	E1012-8058	A200037-35	A200069-21
	1/0-2/0	Black	E1012-8012	A200036-31	A200068-19	E1012-8062	A200037-36	A200069-19
	1/0-2/0	Red	E1012-8014	A200036-31	A200068-21	E1012-8064	A200037-36	A200069-21
	3/0-4/0	Black	E1012-8030	A200038-30	A200068-13	E1012-8080	A200035-53	A200069-13
	3/0-4/0	Red	E1012-8032	A200038-30	A200068-15	E1012-8082	A200035-53	A200069-15

Connectors and Accessories

E1016-J Series

Cable size #2-4/0, 600 volts, rated up to 315 amperes continuous, 550 amperes intermittent

Lektralink



Part No. E1016-8300



Part No. E1016-8325

Dimensions:

Male: length 7-3/16"
diameter 1-1/2"

Female: length 5-3/4"
diameter 1-1/2"

Cable Connector	Cable Size	Color	Male Plug			Female Plug		
			Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Single Set Screw	#2-2/0	Black	E1016-8300	A200065-1	A200074-19	E1016-8325	A200067-3	A200075-19
	#2-2/0	Red	E1016-8302	A200065-1	A200074-21	E1016-8327	A200067-3	A200075-21
	2/0-4/0	Black	E1016-8312	A200064-1	A200074-13	E1016-8337	A200090-1	A200075-13
	2/0-4/0	Red	E1016-8314	A200064-1	A200074-15	E1016-8339	A200090-1	A200075-15
Double Set Screw	#2-2/0	Black	E1016-8350	A200630-1	A200074-19	E1016-8375	A200640-3	A200075-19
	#2-2/0	Red	E1016-8352	A200630-1	A200074-21	E1016-8377	A200640-3	A200075-21
	2/0-4/0	Black	E1016-8362	A200639-1	A200074-60	E1016-8387	A200641-1	A200075-60
	2/0-4/0	Red	E1016-8364	A200639-1	A200074-62	E1016-8389	A200641-1	A200075-62
Crimp or Solder	#2-#1	Black	E1016-8006	A200036-18	A200074-19	E1016-8056	A200037-23	A200075-19
	#2-#1	Red	E1016-8008	A200036-18	A200074-21	E1016-8058	A200037-23	A200075-21
	1/0-2/0	Black	E1016-8012	A200036-19	A200074-19	E1016-8062	A200037-24	A200075-19
	1/0-2/0	Red	E1016-8014	A200036-19	A200074-21	E1016-8064	A200037-24	A200075-21
	3/0-4/0	Black	E1016-8030	A200038-6	A200074-13	E1016-8080	A200035-14	A200075-13
	3/0-4/0	Red	E1016-8032	A200038-6	A200074-15	E1016-8082	A200035-14	A200075-15

Molded-To-Cable



Part No. E1016-13



Part No. E1016-62

Dimensions:

Male: length 5-1/2"
diameter 1-1/2"

Female: length 4-3/16"
diameter 1-1/2"

Cable Connector	Cable Size	Color	Male Plug			Female Plug		
			Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Crimp or Solder	#2-#1	Black	E1016-7	A200036-2	A200706-7	E1016-56	A200037-2	A200705-7
	#2-#1	Red	E1016-9	A200036-2	A200706-9	E1016-58	A200037-2	A200705-9
	1/0-2/0	Black	E1016-13	A200036-3	A200706-7	E1016-62	A200037-3	A200705-7
	1/0-2/0	Red	E1016-15	A200036-3	A200706-9	E1016-64	A200037-3	A200705-9
	3/0-4/0	Black	E1016-31	A200038-2	A200706-13	E1016-80	A200035-2	A200705-13
	3/0-4/0	Red	E1016-33	A200038-2	A200706-15	E1016-82	A200035-2	A200705-15

Female Terminal Connectors

- Bolt Hole: 1/2"



Part No. E1016-625



Part No. E1016-577

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
#2-4/0	Black	E1016-575	E1016-625
#2-4/0	Red	E1016-577	N/A

Three Way "T" Connectors



Part No. E1016-2324



Part No. E1016-2312



Part No. E1016-2352

Cable Size	Color	Paralleling "T" Part No.	Tapping "T" Part No.	Double Female Part No.
#2-4/0	Black	E1016-2324	E1016-2312	E1016-2352
#2-4/0	Red	E1016-2326	E1016-2314	E1016-2354

Insulated Receptacles



Part No. E1016-1725



Part No. E1016-1600

Cable Size	Color	Male Part No.	Female Part No.	Description
#2-4/0	Black	E1016-1600	E1016-1631	Threaded style
#2-4/0	Red	E1016-1602	E1016-1633	Threaded style
#2-4/0	Black	E1016-1700	E1016-1725	Double set-screw
#2-4/0	Red	E1016-1702	E1016-1727	Double set-screw

Protective Caps



Part No. A100601-1



Part No. A100895-1



Part No. A100602-1

Part No.	Color	Description
A100601-1	Black	Cap for male
A100602-1	Black	Cap for female
A100895-1	Plated	Snap back metal cover

E1018 Standard Series

Cable Size #2-4/0, 120 volts, rated up to 315 amperes continuous, 550 amperes intermittent

Lektralink



Part No. E1018-8300



Part No. E1018-8325

Dimensions:

Male: length 6-3/8", diameter 1-1/2"

Female: length 6-3/8", diameter 1-1/2"

Cable Connector	Cable Size	Color	Male Plug			Female Plug		
			Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Single Set Screw	#2-2/0	Black	E1018-8300	A200065-1	A200071-19	E1018-8325	A200067-4	A200072-19
	2/0-4/0	Black	E1018-8312	A200064-1	A200071-13	E1018-8337	A200090-2	A200072-13
Crimp or Solder	#2-#1	Black	E1018-8006	A200036-18	A200071-19	E1018-8056	A200037-27	A200072-19
	1/0-2/0	Black	E1018-8012	A200036-19	A200071-19	E1018-8062	A200037-28	A200072-19
	3/0-4/0	Black	E1018-8030	A200038-6	A200071-13	E1018-8080	A200035-16	A200072-13

Molded-to-Cable



Part No. E1018-7



Part No. E1018-56

Dimensions:

Male: length 5-1/8", diameter 1-1/2"

Female: length 4-7/8", diameter 1-1/2"

Cable Connector	Cable Size	Color	Male Plug			Female Plug		
			Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Crimp or Solder	#2-#1	Black	E1018-7	A200036-2	A200607-7	E1018-56	A200037-6	A200608-7
	1/0-2/0	Black	E1018-13	A200036-3	A200607-7	E1018-62	A200037-7	A200608-7
	3/0-4/0	Black	E1018-31	A200038-2	A200607-13	E1018-80	A200035-4	A200608-13

Female Terminal Connectors

- Bolt Hole: 1/2"



Part No. E1018-575



Part No. E1018-625

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
#2-4/0	Black	E1018-575	E1018-625

Three Way "T" Connectors



Part No. E1018-2324



Part No. E1018-2312

Cable Size	Color	Paralleling "T" Part No.	Tapping "T" Part No.
#2-4/0	Black	E1018-2324	E1018-2312

Insulated Receptacles



Part No. E1018-1600



Part No. E1018-1631

Cable Size	Color	Part No.	Receptacle
#2-4/0	Black	E1018-1600	Male
#2-4/0	Black	E1018-1631	Female

Protective Caps



Part No. A100433-1



Part No. A100435 -1

Part No.	Color	Description
A100433-1	Black	Cap for female
A100435-1	Black	Cap for male

Connectors and Accessories

E-1017 J-Series

Cable Size #350-750 MCM, 600 volts, rated up to 690 amperes continuous, 1150 amperes intermittent

Molded-To-Cable



Part No. E1017-1



Part No. E1017-50

Cable Connector	Cable Size	Color	Male Plug		Female Plug			
			Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Double Set-Screw	350-500MCM	Black	E1017-350	A200612-1	A200056-1	E1017-375	A200614-2	A200040-1
Crimp or Solder	350MCM	Black	E1017-1	A200028-1	A200056-1	E1017-50	A200027-5	A200040-1
	500MCM	Black	E1017-7	A200028-2	A200056-1	E1017-56	A200027-6	A200040-1
	750MCM	Black	E1017-13	A200028-3	A200056-7	E1017-62	A200027-7	A200040-7

NOTE: When using double set-screw style contacts, a hose clamp or plastic cable tie must be used to secure insulator at cable end.

Dimensions:

Male: length 7-5/32", diameter 2-5/16"

Female: length 5-1/2", diameter 2-5/16"

Female Terminal Connectors

- Bolt Hole 5/8"



Part No. E1017-575



Part No. E1017-625

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
350-750MCM	Black	E1017-575	E1017-625

Protective Caps



Part No. A100603-1



Part No. A100604-1

Part No.	Color	Description
A100603-1	Black	Cap for male
A100604-1	Black	Cap for female

Insulated Receptacles



Part No. E1017-1601



Part No. E1017-1625

Cable Size	Color	Angle Style Part No.	Description
350-750MCM	Black	E1017-1600	Male 90°
350-750MCM	Black	E1017-1601	Male 30°
350-750MCM	Black	E1017-1625	Female 90°
350-750MCM	Black	E1017-1626	Female 30°

CAM-LOK
gives you all
the choices to
connect.

E-1019 Standard Series

Cable Size 350-750 MCM, 120 volts, rated up to 690 amperes continuous, 1150 amperes intermittent



Part No. E1019-1



Part No. E1019-50

Dimensions

Male: length 5-7/8", diameter 2-5/16"

Female: length 6-1/8", diameter 2-5/16"

Cable Connector	Cable Size	Color	Male Plug		Female Plug			
			Complete Part No.	Contact Part No.	Insulator Part No.	Complete Part No.	Contact Part No.	Insulator Part No.
Crimp or Solder	350MCM	Black	E1019-1	A200028-1	A200058-1	E1019-50	A200027-1	A200057-1
	500MCM	Black	E1019-7	A200028-2	A200058-1	E1019-56	A200027-2	A200057-1
	750MCM	Black	E1019-13	A200028-3	A200058-7	E1019-62	A200027-3	A200057-7

Female Terminal Connectors

- Bolt Hole 5/8"



Part No. E1019-575



Part No. E1019-625

Cable Size	Color	Angle Style Part No.	Offset Style Part No.
350-750MCM	Black	E1019-575	E1019-625

Insulated Receptacles



Part No. E1019-1601



Part No. E1019-1625

Cable Size	Color	Angle Style Part No.	Description
350-750MCM	Black	E1019-1600	Male 90°
350-750MCM	Black	E1019-1601	Male 30°
350-750MCM	Black	E1019-1625	Female 90°
350-750MCM	Black	E1019-1626	Female 30°

Protective Caps



Part No. A100434-1



Part No. A100436-1

Part No.	Color	Description
A100434-1	Black	Cap for female
A100436-1	Black	Cap for male

Parts and Accessories

Molding Press Parts and Vulcanizing Accessories

Part No.	Description
A100072	Cable cutter #2-4/0 cable
A101208	2 oz tube silicon grease for lubricating business end of synthetic rubber insulators
A200020-3	COM-A-LONG for pulling male contact in E1012, E1016, E1018 series
A200020-5	COM-A-LONG for pulling male contact in E1017 and E1019 series
A200020-6	COM-A-LONG for pulling female contact in E1017 and E1019 series
100300	Spraylube #70 lubricating compound, 12 oz aerosol
100312-2	Adhesive 8 oz can
319735-1	Neoprene vulcanizing tape, 1" X 45' Roll

Soldering Kit / Heat Tint Removal Systems

Weller™ Soldering Professional D550PK Kit

8-piece heavy-duty soldering kit featuring the versatile Weller™ Model D550 soldering gun with tin plated heavy copper tip. Kit also includes:

- 1 sealing tip
- 1 cutting tip
- 1 soldering tip
- Flux brush
- Soldering aid tool
- Coil of lead free solder
- Sturdy plastic carrying case
- Soldering hints booklet
- UL listed



Part No. D550PK

Part No.	Description	Watts	Volts	HZ	Shelf Pack
8200PK	Universal gun kit	140/100	120	50/60	3
D550	Professional soldering gun	260/200	120	50/60	3
D550PK	Professional soldering kit	260/200	120	50/60	3
SP40L	Marksman soldering iron	40	120	50/60	6

DYNAFLUX, INC.

Heat Tint Removal Systems

- Fast effective clean-up.
- Removes discoloration from heat affected weld zones on stainless steel and many other alloys.
- Eliminates the need for grinding, sanding and polishing.
- No dangerous acids or costly clean-up and disposal.
- Uses AC outlet.
- Machines come complete with 16 oz. cleaning solution and 6 replacement boots or pads.



Complete Machines

Part No.	Description	Specifications
HTR121S	With spoon applicator	115 vac
HTR121R	With roller applicator	115 vac

Accessories

Part No.	Description
HTR120-3*	Spoon applicator replacement boots (1 case of 5 bags/6 boots per bag)
HTR120-3A	Spoon applicator replacement boots (6 boots per bag)
HTR120-8*	Roller applicator replacement pads (1 case of 5 bags/6 boots per bag)
HTR120-8A	Roller applicator replacement pads (6 boots per bag)
HTR120-06	6 x 16 fluid ounce bottles/case

*sold per case

R1100 V/G Water Recirculating Cooling System

The R1100V (Vane Pump) and the R1100G (Gear Pump) Cooling Systems are designed for:

- MIG guns: up to 750 amps
- TIG torches: up to 750 amps
- Plasma welders/ cutters: up to 200 amps
- Resistance welders: up to 75 KVA
- Induction welding: up to 5 KW



Specifications

- 15,000 BTU/Hr at 75 degree
- 3 gallon reservoir/ 1.8 gpm
- 115 or 230 single phase 50/ 60 Hz
- 15,000 BTU
- 23" L x 11" W x 14-3/4" H
- Net Wt: 42 lbs/19 kg

Part No.	Cooling System	Description
R1100V-115	Vane pump	115 50/60 Hz 1ph
R1100G-115	Gear pump	115 50/60 Hz 1ph

R2200V Water Recirculating Cooling System w/ Vane Pump

- MIG guns: up to 1000 amps
- TIG torches: up to 1000 amps
- Plasma welders: up to 300 amps
- Resistance welders: up to 150 KVA
- Induction welding: up to 10 KW



Specifications:

- Factory set at 50 psi adjustable to 125 psi
- 15 gallon reservoir / 4.0 gpm
- 115 or 230 vac. Single phase 50/60 Hz
- 30,000 BTU
- Dimensions: 23" L x 16" W x 25.5" H
- 5/8 LH Std. Inert Gas fittings - 1/4 FPT
- 8 foot power cord
- Visible water level through tank
- Thermal overload
- Net wt. 70 lbs. / 32 kg

Part No. R2200V-115

VH100 V/G Water Recirculating Cooling System w/ Gear Pump

The VH1000V (Vane Pump) and the VH1000G (Gear Pump) Cooling Systems are designed for:

- MIG guns: up to 500 amps
- TIG torches: up to 500 amps
- Plasma welders/cutters: up 150 amps
- Resistance welders: up to 60 KVA



Specifications

- 12,000 BTU/ hr., at 75 degree differential
- Operates in both vertical and horizontal positions
- 2 gallon reservoir/ 1.8 gpm
- 115 or 230 VAC single phase 50/60 hz.
- 9" L x 9" W x 26" H
- Net Wt: 33 lbs./15 kg

Part No.	Cooling System	Description
VH1000V-115	Vane pump	115 50/60 Hz 1ph
VH1000G-115	Gear pump	115 50/60 Hz 1ph

TIG-er w/ TIG Torch Cooling System

The TIG-er Cooling System is designed for:

- TIG torches: up to 250 amps
- MIG guns: up to 250 amps



Specifications:

- Factory set at 50 psi adjustable to 80 psi
- 2 gallon reservoir
- 115 or 230 vac. Single phase 50/60 Hz
- 3.2 / 1.5 amp : 60 Hz
- 10,000 BTU
- Dimensions: 12" L x 14" W x 9" H
- 1/4" Female Pipe Fitting (water in/out) 5/8 LH Standard inert gas fittings
- 8 foot power cord
- Visible water level through tank
- Thermal overload
- Net Wt. 30 lbs. / 13.6 kg

Part No. TIGER-115

PCII V/G Cooling System

The Pro Cool II V/G Cooling System is designed for:

- MIG guns: up to 500 amps
- TIG torches: up to 500 amps
- Resistance welders: up to 60 KVA
- 12,000 BTU1



Part No.	Cooling System	Description
PCIIV-115	Vane pump	115 or 230 Vac 50/60 Hz 1ph
PCIIG-115	Gear pump	115 or 230 Vac 50/60 Hz 1ph

Specifications

- Available with VANE pump (PCIIV) or GEAR pump (PCIIG)
- Factory set at 50 psi adjustable to 80 psi
- 3 gallon reservoir / 1.8 gpm
- 115 or 230 vac. Single phase 50/60 Hz
- Dimensions: 18" L x 14" W x 9" H
- 5/8 LH Std. Inert Gas fittings - 1/4 FPT
- 8 foot power cord
- Visible water level through tank
- Net wt. 37 lbs. / 17 kg

Spark Lighters and Accessories

Spark Lighters

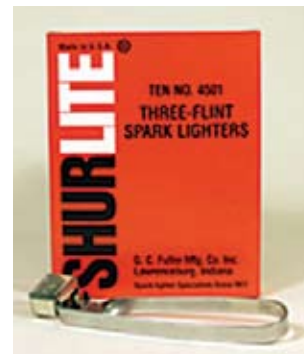
- Round-file lighters feature the largest hood and round file in the industry with a patented assembly.
- Triple-flint lighter is a quality lighter made for the demands of the welding industry. It has a strong frame and three large flints for dependable ignition under all working conditions.
- Enduring popularity is merited by dependable performance and ease-of-operation
- Lightweight and low-cost

Type	Part No.	Packaging
Flat File	1501	10/box
	1501B	Bulk 100/carton
Round File	3001	10/box
	3001B	Bulk 100/carton
	3011	P.O.P. 1/card
	3021	P.O.P. with 5/flints
Tri-Flint	4501	10/box
	4501B	Bulk 100/carton
	5011	P.O.P. 1/card
	5021	P.O.P. with 4/flints
Shoot-A-Lite	0710	P.O.P. 1/card
	0730	P.O.P. with 5/flints

P.O.P.= Point of Purchase Packaging



Part No. 3001



Part No. 4501

Renewal Flints

Type	Part No.	Packaging
Single	3001X	5/holder-40 holders/box
	3001XB	Bulk 10,000/carton
	3011X	P.O.P. 5/card - 50 cds/carton
	3021X	P.O.P. 10/card - 50 cds/carton
Tri-Flint	5001XB	Bulk 1,000/carton
	5003X	P.O.P. 1/card - 50 cds/carton
	5012X	P.O.P. 4/card - 50 cds/carton
Shoot-A-Lite	732X	P.O.P. 10/card - 50 cds/carton

P.O.P.= Point of Purchase Packaging



Part No. 5003X

Don't forget
your magnetic
tool release
on page 325!



H&M Pipe Beveling

In 1934 we produced the industry's very first portable pipe cutting and beveling machine. Determined to be the leader, we continue to set precision, quality and portability standards for not only saddle-type pipe cutting and beveling machines, but also band-type beveling machines, shape cutting attachments and accessories.

We offer the industry's most comprehensive, factory one-year warranty on everything we manufacture. We also provide the industry with our exclusive five-year service guarantee on all H&M Models 0 through 4 Standard Beveling Machines. All of our equipment is produced in the USA.

Our goal is to continuously raise the pipe cutting and beveling machine industry's standard of quality by creating excellent products and providing superior service.



Each machine is constructed of lightweight, hard-anodized aluminum, assuring durability and easy transportation to every job site. Anywhere you go you will be able to cut and bevel 2" to 36" pipe accurately, swiftly and economically, even under the toughest conditions.

- Each ring gear and saddle is precisely machined, assembled and calibrated to $\pm .015$ in concentricity and squareness.
- Each machine is equipped with a rear-mounted short saddle for cutting and beveling in tight locations.
- The rear-mounted saddle allows precise back-beveling operations without sacrificing the machine's integrity.
- The machines' unique split horseshoe design permits easy placement over pipe sections.
- A quick operating boomer assembly secures each machine to the pipe during the entire 360° rotation; no repositioning is necessary.
- The patented Cuboid Spacer System minimizes downtime by keeping the spacers on the machine.



Cuboid Spacer System



Stored Spacers

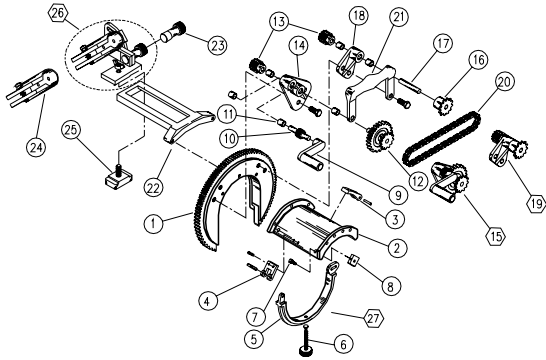


2DH Boomer Strap

Part No.	Model No.	Standard Pipe Size				Net Weight		Shipping Weight		Shipping Dimensions	Manual	Motorized	Cuboid Spacer (PATENTED)
		INCHES= Nominal Pipe Size	MILLIMETERS= Pipe O.D.	lbs.	kg.	lbs.	kg.						
HM00	0	2" 60.32	2.5" 73.02	3" 88.90	4" 114.30	7.50	3.37	12	5.40	9 x 11 X 11	Standard	Optional	Standard
HM01	1	3" 88.90	4" 114.30	6" 168.27	8" 219.07	16	7.20	23	10.35	13 x 16 x 17	Standard	Optional	Standard
HM02	2	7" 193.67	8" 219.07	10" 273.05	12" 323.85	23	10.35	35	15.75	15 x 22 x 22	Standard	Optional	Standard
HM03	3	14" 355.60	16" 406.40	18" 457.20	20" 508.00	51	22.95	77	34.65	13 x 34 x 34	Standard	Optional	Standard
HM04	4	20" 508.00	22" 558.80	24" 609.60	26" 660.40	81	36.45	118	53.10	14 x 36 x 45	Standard	Optional	Standard
HM30	30	24" 609.60	26" 660.40	28" 711.20	30" 762.00	92	41.40	133	59.85	14 x 38 x 48	Standard	Optional	Standard
HM05	5	30" 762.00	32" 812.80	34" 863.60	36" 914.40	145	65.25	250	112.50	16 x 48 x 61	Standard	Optional	Standard

Beveling Machine Parts Lists

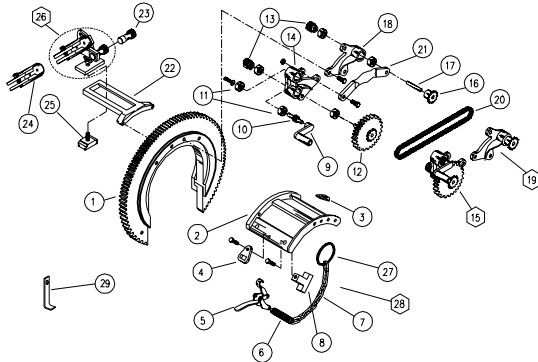
Model 0



* Cuboid Spacers are used on all Model 0 machines with SN#63337-C4 and up. For all other machines (unless modified with new saddle), old-style spacers will be required. Order part no. 36-0 Spacer Bolt Assembly (consists of two spacers each for 2" and 3" pipe).

Item. No	Model 0 Part No.	Description	Qty Req
1	2A3 & 4-0	Ring Gear Assembly	1
2	02-0	Saddle Assembly	1
3	2DP-0	Boomer Strap Eye (Pivot)	1
4	2DL-0	Boomer Strap Eye (Latch)	1
5	20-0	Boomer Strap	1
6	27-0	Boomer	1
7	13K-0	Knurled Thumb Screw	4
8	13C-0*	Cuboid Spacer	4
9	8-0-1	Crank	1
10	8C-0	Crank Pinion	1
11	26-0	Bearing	6
12	8A10 & 12-0	Crank Gear Axle Assembly	1
13	09-0	Pinion Gear	2
14	18-0	Double Bearing Bracket	1
15	18A-0	Double Bearing Bkt. Assembly (Items 9-14)	1
16	14-0	Sprockets	1
17	8A-0	Gear Axle	1
18	17-0	Single Bearing Bracket	1
19	17A-0	Single Bearing Bkt. Assembly (Items 11,13,16-18)	1
20	12A-0	Top Roller Chain	1
21	23-0	Handle	1
22	01-R	Torch Arm	1
23	007F	Knob and Cam Assembly	1
24	07CS	Torch Holder	1
25	0006	Base for 5C	1
26	005C	Torch Carrier	1
27	30-0	Boomer Assembly (Items 3-6)	1

Model 1 and 2

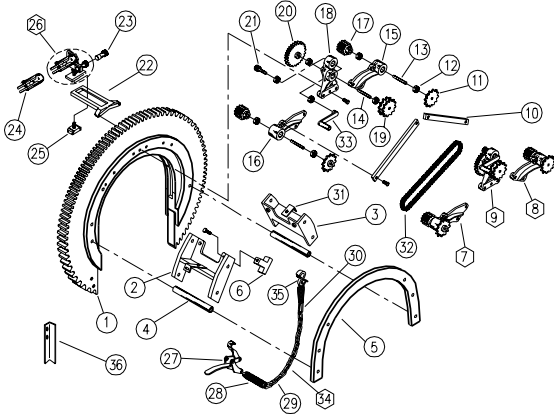


* Cuboid Spacers are used on all Model 1 machines with SN#64577-C8 and up. For all other machines (unless modified with new saddle), old-style spacers will be required. Order part no. 36-1 Spacer Bolt Assembly (consists of four spacers each for 4", 6" and 8" pipe).

** Cuboid Spacers are used on all Model 2 machines with SN#64709-C12 and up. For all other machines (unless modified with new saddle), old-style spacers will be required. Order part no. 36-2 Spacer Bolt Assembly (consists of four spacers each for 8", 10" and 12" pipe).

Item. No	Model 1 Part No.	Model 2 Part No.	Description	Qty Req
1	2A3 & 4-1	2A3 & 4-2	Ring Gear Assembly	1
2	02-1	02-2	Saddle Assembly	1
3	2DH-1-2	2DH-1-2	Boomer Strap Eye	1
4	2D-1-2	2D-1-2	Boomer Strap Eye	1
5	27-1-6	27-1-6	Boomer	1
6	24-1-2	24-1-2	Boomer Spring	1
7	20-1	20-2	Boomer Chain	1
8	13C-1*	13C-2**	Cuboid Spacer	4
9	8-0-1	08-2	Crank	1
10	8C-1-2	8C-1-2	Crank Pinion	1
11	26-1-3	26-1-3	Bearing	6
12	8A10&12-1-2	8A10&12-1-2	Crank Gear Axle Assembly	1
13	09-1	9-2-3	Pinion Gear	2
14	18-1	18-2	Double Bearing Bracket	1
15	18A-1	18A-2	Double Bearing Bkt. Assembly (Items 9-14)	1
16	14-1-2	14-1-2	Sprockets	1
17	8A-1-3	8A-1-3	Gear Axle	1
18	17-1	17-2	Single Bearing Bracket	1
19	17A-1	17A-2	Single Bearing Bkt. Assembly (Items 11,13,16-18)	1
20	12A-1	12A-2	Top Roller Chain	1
21	23-1	23-2	Handle	1
22	01-R	01-R	Torch Arm	1
23	007F	007F	Knob & Cam Assembly	1
24	07CS	07CS	Torch Holder	1
25	0006	0006	Base of 5C	1
26	005C	005C	Torch Carrier	1
27	21-1-2	21-1-2	Key Ring	1
28	30-1	30-2	Boomer Assembly (Items 5-7,27)	1
29	16-1	16-2	Foot	2

Model 3



* Cuboid Spacers are used on all Model 3 machines with SN#66260-C20 and up. For all other machines (unless modified with new saddle arms), old-style spacers will be required. Order part no. 36-3 Spacer Bolt Assembly (consists of four spacers each for 14", 16", 18" and 20" pipe).

Item No.	Model 3 Part No.	Description	Qty Req
1	2A3 & 4-3	Ring Gear Assembly	1
2	2FL-3	Saddle Arm (Left)	1
3	2FR-3	Saddle Arm (Right)	1
4	2E-3	Saddle Spacer Stud	2
5	2C-3	Back Saddle Ring	1
6	13C-3*	Cuboid Spacer	4
7	17AL-3	Single Bearing Bkt. Assembly-L (Items 11-13,16,17)	1
8	17AR-3	Single Bearing Bkt. Assembly-R (Items 11-13,15,17)	1
9	18A-3	Double Bearing Bkt. Assembly (Items 12,14,18-21,33)	1
10	29-3	Tie Rod	2
11	14-3	Sprockets	2
12	26-1-3	Bearing	8
13	8B-3	Pinion Gear Axle	2
14	8A-1-3	Gear Axle	1
15	17R-3	Single Bearing Bracket (Right)	1
16	17L-3	Single Bearing Bracket (Left)	2
17	9-2-3	Pinion Gear	2
18	18-3	Double Bearing Bracket	1
19	12-3	Sprocket (Double)	1
20	10-3	Crank Gear	1
21	8C-3	Crank Pinion	1
22	01-R	Torch Arm	1
23	007F	Knob & Cam Assembly	1
24	07CS	Torch Holder	1
25	0006	Base for 5C	1
26	005C	Torch Carrier	1
27	27-1-6	Boomer	1
28	24-3-6	Boomer Spring	2
29	20-3	Boomer Chain	1
30	0021	Boomer Strap Snap	2
31	2D-3-30	Boomer Strap Eye	2
32	12A-3	Top Roller Chain	2
33	8-3-6	Crank	1
34	30-3	Boomer Assembly (Items 27-30)	1
35	0025	Boomer Hook	1
36	16-3-30	Foot	2

Band Type Pipe Cutting & Beveling Machine

The H&M Band-Type Pipe Cutting and Beveling Machine is fast, accurate and versatile. A single operator can position the band and beveling machine head on 48" diameter pipe in approximately five minutes. Each H&M stainless steel band overlaps numerous pipe sizes making the bands very economical.

- Automatically compensates for oversized or undersized pipe.
- Unaffected by dope or coating on the pipe.
- Accurate-Overlapping squares up the band.
- Band conforms to out-of-round pipe.

The H&M motorized beveling machine head incorporates a rugged, lightweight, cast aluminum chassis that offers the following features:

- Portable (weighs only 18 lbs.).
- Designed to work on all H&M stainless steel bands.
- Equipped with a 90-volt DC motor, (220 volt optional).
- Variable speed control box – forward and reverse.
- Speed range of 2 IPM to 24 IPM.
- Plasma speeds (optional).



Band Style Cutting 48" Pipe

Bands

Each band includes a drive chain and a coupling – larger bands quoted upon request.

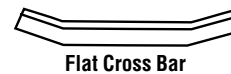
Part No.	Description	Pipe Sizes		Shipping Weight		Shipping Dimensions	
		Inches	mm	lbs	kg	Inches	mm
OBMH	Beveling Machine Head			20	9.05	18 x 12 x 10	450 x 300 x 250
BAND14	14" Band	10 to 14	250-350	6	2.71	12 x 12 x 10	300 x 300 x 250
BAND20	20" Band	14 to 20	350-500	8	3.62	12 x 12 x 10	300 x 300 x 250
BAND26	26" Band	20 to 26	500-650	9	4.07	12 x 12 x 10	300 x 300 x 250
BAND30	30" Band	26 to 30	650-750	10	4.52	12 x 12 x 10	300 x 300 x 250
BAND36	36" Band	30 to 36	750-900	12	5.43	20 x 20 x 13	500 x 500 x 325
BAND42	42" Band	36 to 42	900-1050	14	6.33	20 x 20 x 13	500 x 500 x 325
BAND48	48" Band	42 to 48	1050-1200	15	6.79	20 x 20 x 13	500 x 500 x 325
BAND56	56" Band	48 to 56	1200-1400	16	7.24	20 x 20 x 13	500 x 500 x 325
BAND60	60" Band	56 to 60	1400-1500	17	7.69	20 x 20 x 13	500 x 500 x 325
BAND64	64" Band	60 to 64	1500-1600	18	8.14	20 x 20 x 13	500 x 500 x 325
BAND68	68" Band	64 to 68	1600-1700	19	8.60	20 x 20 x 13	500 x 500 x 325
BAND72	72" Band	68 to 72	1700-1800	20	9.05	20 x 20 x 13	500 x 500 x 325
BAND76	76" Band	72 to 76	1800-1900	21	9.50	20 x 20 x 13	500 x 500 x 325
BAND80	80" Band	76 to 80	1900-2000	22	9.95	20 x 20 x 13	500 x 500 x 325
BAND84	84" Band	80 to 84	2000-2100	23	10.40	20 x 20 x 13	500 x 500 x 325
BAND90	90" Band	84 to 90	2100-2250	24	10.86	20 x 20 x 13	500 x 500 x 325
BAND96	96" Band	90 to 96	2250-2400	25	11.31	20 x 20 x 13	500 x 500 x 325
BANDBOX	Storage Box			38	17.25	24 x 24 x 10	600 x 600 x 250

General Pipe Clamps

General Standard, Hydraulic and Ratchet Pipe Clamps for 2" to 60" diameter pipe. Each is hinged for easy positioning around the pipe and is available with flat or arched cross bars. The Standard Pipe Clamp features a lever and a cam to tighten the clamp around both ends of adjoining pipe.

General Pipe Clamps are designed for the sole purpose of aligning pipe ends while welding. They are NOT to be used to support the weight of the pipeline while lifting or moving, nor are they to be used with shims, wedges or cheaters.

Note: All part numbers listed are General Standard Style with flat cross bars.



Part No.	Size	Weight
GEN02	2"	12#
GEN02.5	2.5"	17#
GEN03	3"	17#
GEN04	4"	19#
GEN05	5"	33#
GEN06	6"	32#
GEN08	8"	33#
GEN10	10"	51#
GEN12	12"	53#
GEN14	14"	70#
GEN16	16"	102#
GEN18	18"	110#
GEN20	20"	120#
GEN24	24"	126#
GEN28	28"	148#
GEN30	30"	160#
GENDOLLY	from 3" to 30"	pipe diameter

General Pipe Dolly

This one piece body with adjustable rollers easily accommodates pipe sizes 3" to 30". Using a pair of pipe dollies allows the pipe to be safely supported and rotated, assisting in multiple welding tasks.



Band Boxes / Torch Holder / Cuboid Spacers

Storage Boxes

Protect your investment during transportation and storage by using our lightweight aluminum storage boxes.

- Prevent damage to the machines and their precision parts.
- These storage boxes are for all Models No. 0 through No. 4 Standard Beveling Machines.



Part No.	Description
BOX00	0Mach Box
BOX01	1Mach Box
BOX02	2Mach Box
BOX03	3Mach Box
BOX04	4Mach Box

Model "C" Adjustable Torch Holder

The Model "C" Adjustable Torch Holder features two rack-and-pinion driven, dove-tailed slide assemblies making horizontal and vertical movements easy. Its smooth, accurate torch adjustments eliminate blow holes, allowing the torch height to be altered even when the cutting torch is in motion.

- No special modifications are necessary with most torch lengths.
- A built-in protractor gives precise bevel angles every time.
- Model "C" fits all Standard H&M Beveling Machines except the Model No. 0, which requires a special adapter plate.



Part No. C-ADJ

Motorization Kits

For large pipe work or fabrication H & M highly recommends its motorization kits where 115 AC power is available.

- Precise torch speed.
- Increased production and consistent, high-quality.
- Beveled edges with every pipe cutting or beveling operation.
- Speed ranges are sufficient for most plasma cutting applications.



Part No.	Description
KIT00	Mach kit Model0
KIT01	Mach kit Model1
KIT02	Mach kit Model2
KIT03	Mach kit Model3
KIT04	Mach kit Model4
KIT06	Mach kit Model6

Cuboid Spacer System

H&M's patented Cuboid Spacer System relieves frustration and downtime in looking for lost spacers, because the spacers never leave the machine.

- Six-sided form with rectangular sides.
- Three specific thicknesses conform to different pipe sizes.
- Four cuboids used to quickly set up machine.

Each size of every cuboid spacer is clearly stamped to ensure cutting the correct pipe size. When not in use the cuboid spacers are securely housed on the back of the saddle. It's a no-lose proposition in time-saving productivity.



Part No.	Description
13C-0	Mach Spacer0
13C-1	Mach Spacer1
13C-2	Mach Spacer2
13C-3	Mach Spacer3
13C-30	Mach Spacer30
13C-4	Mach Spacer4

Adjustable Pipe Clamp

The adjustable pipe clamp is manufactured using ductile cast iron (APC16) or aluminum (APC16-A). The pipe alignment V's are cast into the clamp and precisely machined, assuring perfect alignment of pipe ends. The clamp is lightweight (APC16 - 31 lbs. net, APC16-A - 16 lbs.) and portable. A convenient carrying handle has been cast into the pipe clamp allowing easy, safe transportation to any job site. One person can position the clamp and start welding in about two minutes for most applications and pipe sizes. Comes complete and ready to align 2" to 16" diameter pipe. One adjustable clamp does the work of 12 cage-type pipe clamps. Acme 3/4-6" threaded bolts and nuts are used to tighten the chain around pipe. Each adjusting nut is fitted with its own handle. No extra wrenches or ratchet handles are required. The acme threaded bolts, nuts and chain are captive to the pipe clamp, eliminating lost or misplaced items.

Part No. APC16-A (Aluminum)

Part No. APC16 (Cast Iron)



Precision-Spacing Wedges

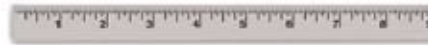
H&M's Precision Spacing Wedges are manufactured of high-grade carbon steel, precision ground and heat-treated. Available in two sizes, they accommodate small to large diameter pipe.

Part No. PW-L- Large Pipe Wedge- 1 3/4" X 8-3/4" X 1/4"

Part No. PW-S- Small Pipe Wedge- 3/4" X 4" X 3/16"



Part No. PW-L



Part No. PW-S

Master Chain Clamp

A versatile clamping system designed to increase productivity. One person can quickly and safely perform perfect fit-ups of flanges, tees and elbows in minutes. Each Master Chain works 4" to 16" diameter pipe fittings. Additional chain links and jackbars can be added for larger pipe sizes. The clamp weighs 28 lbs. when fully assembled, but can be streamlined when working smaller sized pipe. Set up, positioning and alignment for welding is now faster.

Part No. CC-HD



Magnetic Tool Release

This unique device utilizes two strong magnets securing tools and welding accessories to d-rings, belt loops or any area where quick access is required. Just tug on the tool to release it for use. When finished wave the magnet within an inch of the mating magnet. It will immediately jump to a secure position.

- Seven pounds of breaking force.
- Does not include striker.

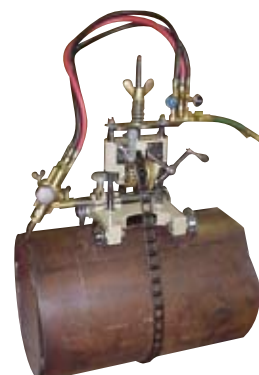
Part No. MTR7



Chain-Type Pipe Machine

- Pipe capacity (4" to 24").
- Additional chain links can be purchased for larger pipe sizes.
- Cutting torch and three tips included.
- Control valves for fuel gas, pre-heat and cutting oxygen included.
- Manual drive (brass worm gears provide smooth motion).
- A handy clutch allows quick rotation of the machine around the pipe to verify position and square up the chain.
- Torch holder racks in, out, up and down.
- Torch holder can be positioned at any angle.

Part No. HMC224



Electrode Holders/Ground Clamps

Electrode Holders and Ground Clamps: Applications and Safety

Read this section completely before selecting your Jackson electrode holder. Electrical shock can kill. Do not touch live electrical parts or electrodes with bare skin or work with wet gloves or clothing.

Electrode holders should be used only for electric arc welding and arc cutting. Cable installation instructions must be followed for correct electrical conductivity. Welding gloves must be worn when operating electrode holders.

When selecting an electrode holder the following safety items should be reviewed: maximum amperage rating, duty cycle rating, maximum rod size and minimum cable size.

Electrode holders must not be operated if insulators or handles are damaged or missing. Repair immediately. Never operate any electrode holder at a higher amperage than its maximum amperage rating.

Electrode holders, when not in use, must be placed so that they cannot make electrical contact with persons or conducting objects.

Inspect frequently and immediately replace worn or damaged parts.

For further information on welding safety, see American National Standards Institute Standard Z49.1, available from American National Standards Institute, 1430 Broadway New York, NY 10018.

Electrode Holders

Heavy duty copper and aluminum alloy models with large dome cable screw connectors for high conductivity and improved cable connections.



Streamlined design; ideal for tight places
Part No: 0700-0011



Streamlined design; replaceable jaws; lightweight
Part No: 0700-0022

Part No.	Amperage Capacity	Electrode Capacity		Cable Capacity		Duty Cycle Rating*	Length		Weight	
		Inches	mm	mm ²			Inches	mm	oz.	grams
Model JH-1 Copper Alloy										
0700-0011	250	Up to 3/16	4.8	4-1/0	16-50	50%	8-1/8	206.4	12	340
Model JH-2 Aluminum Alloy										
0700-0022	200	Up to 5/32	4.0	4-1/0	16-50	45%	8-1/8	206.4	10	283



Replaceable jaws; lightweight
Part No: 0700-0019



Popular medium duty
Part No: 0700-0012



Heavy duty
Part No: 0700-0016

Part No.	Amperage Capacity	Electrode Capacity		Cable Capacity		Duty Cycle Rating*	Length		Weight	
		Inches	mm	mm ²			Inches	mm	oz.	grams
Model A-W Aluminum Alloy										
0700-0019	300	Up to 1/4	6.4	2-2/0	25-70	45%	9-5/8	244.5	14	397
Model AW-C Copper Alloy										
0700-0012	300	Up to 1/4	6.4	4-2/0	16-70	50%	9-1/4	235.3	19	538
Model A3-S Copper Alloy										
0700-0016	500	Up to 3/8	10.0	2/0-4/0	70-105	60%	12-1/2	317.5	30	850



Heavy duty
Part No: 0700-0034

Part No.	Amperage Capacity	Electrode Capacity		Cable Capacity		Duty Cycle Rating*	Length		Weight	
		Inches	mm	mm ²			Inches	mm	oz.	grams
Model J-4 Brass										
0700-0034	400	Up to 1/4	6.4	2-1/0	25-50	60%	8.5	215.9	16	340

*Duty cycle rating is the maximum percentage of actual arc-time (out of any 10-minute period) that a holder should be expected to perform comfortably.

Ground Clamps

Double-Lok ground clamps have forged copper alloy conductors with large contact areas, high clamping pressure and long-levered handles for easy jaw opening. The cable jacket is held securely inside the conductor body with a cable bar for improved holding ability and longer cable life. They have fully insulated pivots and springs.



Part No. 0702-0001



Part No. 0702-0002



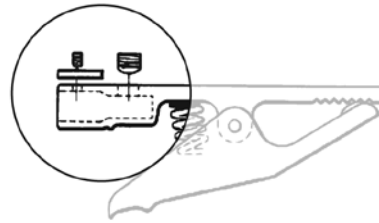
Part No. 0702-0003

Part No.	Model No.	Amperage Capacity	Jaw Opening		Cable Capacity		Length		Weight	
			Inches	mm		mm ²	Inches	mm	oz.	grams
GC Series										
0702-0001	GC-2	200	Up to 1-1/4	32	4-1/0	16-50	6-5/8	168.3	16	445
0702-0002	GC-3	300	Up to 1-5/8	41	1/0-2/0	50-70	8-5/16	211.0	23	652
0702-0003	GC-5	500	Up to 2	50	3/0-4/0	50-105	10	254.0	34	962

Cable Clamp Kits

Package of parts including cable crimping insert and set screws for cable clamps above.

- Part No. 0703-0014- GC-2
- Part No. 0703-0015- GC-3
- Part No. 0703-0016- GC-5



Uni-Trik Cable Connectors

Uni-Trik cable connectors are completely insulated, with no exposed metal, and have large, dome-nose cable screws to ensure a virtually unbreakable, high conductivity connection. Uni-Trik connector halves are compatible with halves of certain other connectors.



Part No. 0704-0200- Model UB-1-BP, for cables No. 4 through No. 1.



Part No. 0704-0210- Model UB-3-BP, for cables No. 1/0 through No. 3/0.



Part No. 0704-0213- Model UB-4-BP, for cables No. 3/0 through No. 4/0.

Description	Cable Capacity	Model No.	Part No.
Complete	4 thru 1	UB-1-BP	0704-0200
Complete	1/0 thru 3/0	UB-3-BP	0704-0210
Female	1/0 thru 3/0	UBF-3-BP	0704-0211
Male	1/0 thru 3/0	UBM-3-BP	0704-0212
Complete	3/0 thru 4/0	UB-4-BP	0704-0213

Quik-Trik Cable Connectors

Quik-Trik connector halves have Morse-tapered sections that are drawn together with a cam and locking bar, for maximum conductivity. Available with flexible insulators, with tapered ends that cover cable jacket and lock out moisture, oil and dirt; or with semi-rigid insulators.

Model QWNB-BP Whip-Lead

For cables No. 4 through 1/0.
Part No. 0704-0008



Part No. 0704-0001- Model QNB-2-BP, for cables No. 1/0 through No. 2/0.



Part No. 0704-0002- Model QNB-4-BP, for cables No. 3/0 through No. 4/0.



Part No. 0704-0004- Model QB-2-BP, for cables No. 1/0 through No. 2/0.

Description	Cable Capacity	Model No.	Part No.
Flexible insulator/complete	1/0 and 2/0	QNB-2-BP	0704-0001
Flexible insulator/male	1/0 and 2/0	QNB-2-BP	0704-0029
Flexible insulator/female	1/0 and 2/0	QNB-2-BP	0704-0023
Flexible insulator/complete	3/0 and 4/0	QNB-4-BP	0704-0002
Flexible insulator/male	3/0 and 4/0	QNB-4-BP	0704-0030
Flexible insulator/female	3/0 and 4/0	QNB-4-BP	0704-0024
Semi-rigid insulator/complete	1/0 and 2/0	QB-2-BP	0704-0004
Whip-lead half	4 thru 1/0	QWNB-BP	0704-0008

Lugs / Electrode Holder Parts Breakdown

Lug-Boot Terminal Covers

This is the easiest, least costly way to protect against electrical shock from exposed welding machine terminal connections, and satisfy specification requirements, too. These soft vinyl covers slide up over lug and cable, and are pulled back down over the completed connection, to cover the bus bar, lug, stud and nut. One size Lug-Boot cover fits all cable from size 6 thru 4/0, and straight or angled style lugs. Sold in pairs. **Part No. 0706-0029**



Plug-In Insulated Cable Lugs

Plug-in cable lugs give you completely insulated welding machine terminal connections, plus quick-connect convenience. The lug body, with its soft vinyl cover, is secured to the terminal stud. Cable is attached by plugging in a male cable connector half. For use with Uni-Trik or Quik-Trik connectors 1/0 through 4/0 cable sizes.

Model ULB-45

Uni-Trik angled lug, pair:
Part No. 0706-0030



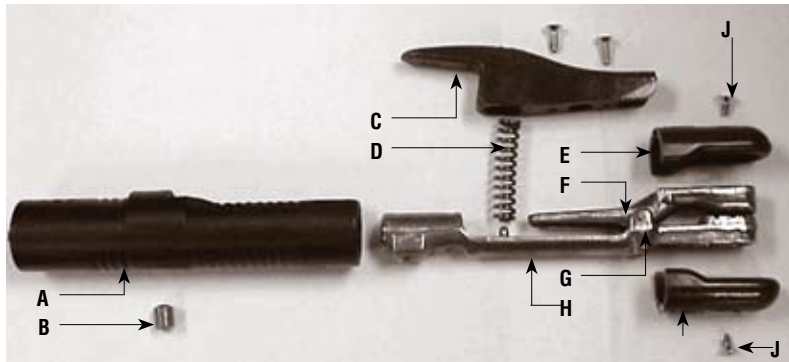
Model QLB-45

Quik-Trik angled lug, pair:
Part No. 0706-0034

Electrode Holder Replacement Parts

JH-1 Holder

Part No. 0700-0011 (250 Amps)

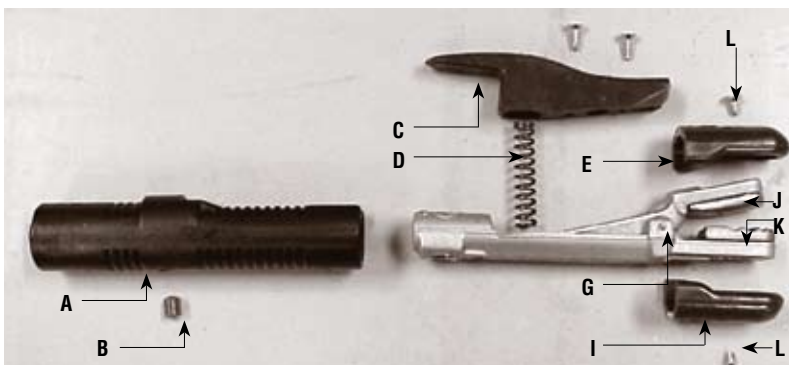


Not Shown: 0701-0074 Cable kit (includes Copper Wrap & (2) set screws)

Item	Part No.	Description
A	0701-0071	Handle
B	0701-0073	Handle screw
C	0701-0063	Lever
D	0701-0044	Spring
E	0701-0050	Upper nose
F	0701-0009	Upper tong
G	0701-0034	Tong pin
H	0701-0018	Lower tong
I	0701-0050	Lower nose
J	0701-0059	Insulator screw (100)

JH-2 Holder

Part No. 0700-0022 (Aluminum 200 Amps)

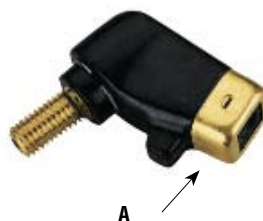


Not Shown: 0701-0075 1 Cable kit (includes Copper Wrap & (2) set screws)

Item	Part No.	Description
A	0701-0071	Handle
B	0701-0073	Handle screw
C	0701-0063	Lever
D	0701-0044	Spring
E	0701-0050	Upper nose
G	0701-0034	Tong pin
I	0701-0050	Lower nose
J	0701-0039	Upper jaw
K	0701-0040	Lower jaw
L	0701-0059	Insulator screw (100)

J4 Holder

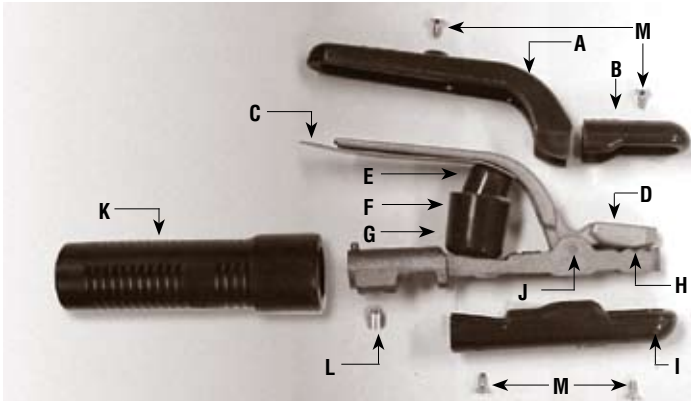
Part No. 0700-0034 (400 Amps)



Item	Part No.	Description
A	0700-0035	Head Assembly

AWC Holder

Part No. 0700-0012 (300 Amps)

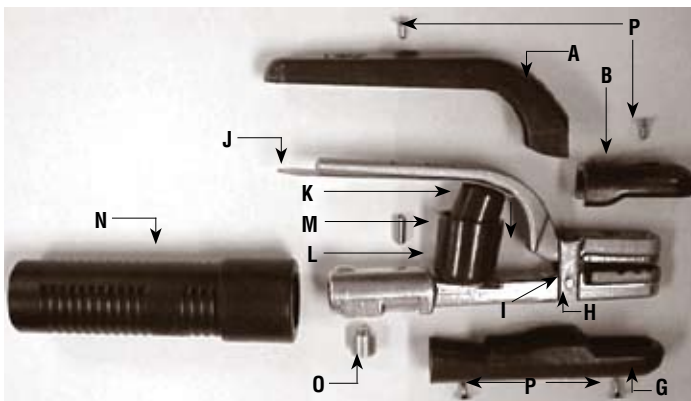


Not Shown: 0701-0075 Cable kit (includes Copper Wrap & (2) set screws)

Item	Part No.	Description
A	0701-0053	Insulator, lever
B	0701-0050	Upper nose
C	0701-0061	Insulator strip
D	0701-0007	Upper tong
E	0701-0047	Small spring cup
F	0701-0043	Inner spring (not shown)
G	0701-0049	Large spring cup
H	0701-0019	Lower tong
I	0701-0057	Lower nose
J	0701-0032	Tong Pin
K	0701-0068	Handle
L	0701-0073	Handle Screw
M	0701-0059	Insulator Screw (100)

AW Holder

Part No. 0700-0019 (Aluminum 300 Amps)

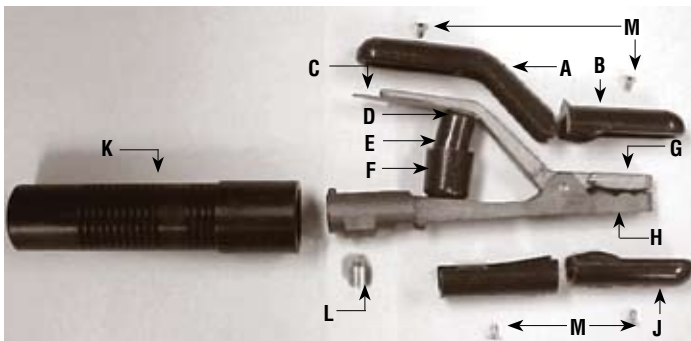


Not Shown: 0701-0075 Cable kit (includes Copper Wrap & (2) set screws)

Item	Part No.	Description
A	0701-0053	Insulator, lever
B	0701-0050	Upper nose
D	0701-0039	Upper jaw
E	0701-0040	Lower jaw
G	0701-0057	Lower nose
H	0701-0036	Yoke
I	0701-0032	Tong Pin
J	0701-0061	Insulator, Strip
K	0701-0047	Small spring cup
L	0701-0049	Large spring cup
M	0701-0043	Inner spring (not shown)
N	0701-0068	Handle
O	0701-0073	Handle Screw
P	0701-0059	Insulator screw (100)

A3-S Holder

Part No. 0700-0016 (500 Amps)



Not Shown: 0701-0070 Cable kit (includes Copper Wrap & (2) set screws)

Item	Part No.	Description
A	0701-0054	Insulator, lever
B	0701-0051	Upper nose
C	0701-0062	Insulator strip
D	0701-0047	Small spring cup
E	0701-0043	Inner spring (not shown)
F	0701-0049	Large spring cup
G	0701-0008	Upper tong
J	0701-0067	Lower nose
K	0701-0069	Handle
L	0701-0073	Handle screw
M	0701-0059	Insulator screw (100)

Hose Reels

Levelwind™ Series - Auto-Rewind

Retractable hose reels offering efficient cost hose storage for all markets.

- Levelwind™ Technology is a unique winding system that automatically layers the hose back and forth across the reel. This ensures that the hose is coiled smoothly and easily.
- Hose, lead-in hose and mounting bracket included with each reel.
- Two year warranty.

Air

- These models are designed to be used with air tools.
- Hose material is PVC.

Part No.	Hose Size/Length	Max. Working Pressure	Temp. Range (F°)	Reel Inlet GHT	Source Hose	Discharge Hose
Compressed Air						
L8305	3/8" x 50'	350 PSI	0° to 140°	3/4" - 11-1/2 (M)	1/4" NPT (M)	1/4" NPT (M)
L8306	3/8" x 75'	350 PSI	0° to 140°	3/4" - 11-1/2	1/4" NPT (M)	1/4" NPT (M)
Air/Water						
L8335	1/2" x 50'	300 PSI	0° to 150°*	3/4" - 11-1/2	1/2" NPT (M)	1/2" NPT (M)**

*40° to 140° for water applications

**3/4" GHT male garden hose adapter included

Model L8335 is ideal for high volume air tools. Also set-up for water applications.



Part No. L8335

Water

- Hose material is PVC.

Part No.	Hose Size/Length	Max. Working Pressure	Temp. Range (F°)	Reel Inlet MNPT	Source Hose	Discharge Hose
Hot Water						
L8347	5/8" x 50'	130 PSI	40° to 180°	3/4" - 11-1/2 (F)	3/4" - 11-1/2 (F)	3/4" - 11-1/2 (F)
Cold Water						
L8349	5/8" x 50'	140 PSI	40° to 140°	3/4" - 11-1/2 (M)	3/4" - 11-1/2 (F)	3/4" - 11-1/2 (M)



Part No. L8347

Welding

- Designed for welding & cutting torches.
- Hose material is reinforced rubber.

Part No.	Hose Size/Length	Max. Working Pressure	Temp. Range (F°)	Reel Inlet MNPT	Source Hose	Discharge Hose
Oxy/Acetylene						
L8363	1/4" x 50'	200 PSI	0-150	9/16" UNF (M)	9/16" UNF (F)	9/16" UNF (F)
Oxy/Fuel*						
L8366	1/4" x 50'	200 PSI	0-150	9/16" UNF (M)	9/16" UNF (F)	9/16" UNF (F)

*Oxy Fuel is designed for MAPP®, Propane & Natural Gases



Part No. L8363

Speedy Reel - Manual Rewind

- Hose material is PVC.

Part No.	Hose Included Size/Length	Max. Working Pressure	Reel Max. Pressure	Reel Capacity	Reel Air Inlet	Weight
L8550	3/8" x 50'	350 PSI WP	350 PSI	100' of 3/8" ID	1/4" NPT (M)	17 lbs.



Part No. L8550

Magnetic Grounds for Rotary or Manual Arc Welding

Heavy shop use has proved that Magnetrol improves weld quality while reducing weld costs.

Here's how:

1. Magnetrol stabilizes the arc.
2. Reduces spatter (and cuts down clean-up time); cuts rod spatter loss 10% or more.
3. Reduces magnetic blow.
4. Increases penetration and density of weld, also improving root fusion.
5. Operates on lower current, makes less demand on generator or transformer.
6. Reduces heat and crystallization in parent metal, improves annealing around weld, cuts rod stub waste.

Rotary Welding

No cable twist on turning roll work with the rotary Magnetrol; a real trouble-saver as well as the perfect grounding contact. Simple design and lifetime magnet assure extra long service life.

Model 900-(400 AMPS) with terminal handle for attaching one 4/0 ground cable.

Model 1500-(1000 AMPS) with terminal handle for attaching two 4/0 ground cables.

Model 2000-(1500 AMPS) with terminal handle for attaching three 4/0 cables.



Part No. 1500

Part No.	Description
0900	Magnetic ground 400 AMP rotary
1500	Magnetic ground 1000 AMP rotary
2000	Magnetic ground 1500 AMP rotary

Manual Welding

Sure-holding ground contacts for better and more economical welding, with lifetime magnets and plenty of stock at holding areas; when pitted, just grind smooth.

Connect to ground cable, place on work and strike arc; Magnetrol holds in any position. Stabilizes arc, increases penetration, reduces spatter, reduces heat and crystallization in parent metal, improves current efficiency and weld quality.



Part No. 0700

Part No.	Description
0200	Magnetic ground 200 AMP
0700	Magnetic ground 400 AMP



PTFE Pipe Thread Tape

- Non-toxic.
- Standard Grade. Thickness-3 mils.
- Contractor grade, low density.
- Provides a highly resistant seal on pipe threads for all types of service.
- Suitable for use with solvents, chemicals, oxygen and on food lines.
- Permits easy disassembly, even after years of service.
- Meets Mil. Spec T-27730A.

Sealing temperature range: -450° F to 550° F (-268° C to 288° C).

Pressures: to 2000 PSI (136 BAR).



Part No.	Size
44070	1/4" x 520"
44071	1/2" x 260"
44072	1/2" x 520"
44073	1/2" x 1296"
44074	3/4" x 260"
44075	3/4" x 520"
44076	3/4" x 1296"
44077	1" x 260"
44078	1" x 520"

Case Quantity: 144

Slic-Tite® PTFE Thread Tape

- Non-toxic, premium grade.
- High density, Thickness-3 mils.
- Heavy-duty premium grade.
- Provides a highly resistant seal on pipe threads for all types of service.
- Suitable for use with solvents, chemicals, oxygen, and on food lines.
- Permits easy disassembly, even after years of service.
- Meets Mil. Spec. T-22730A.

Sealing temperature range: -450° F to 550° F (-268° C to 288° C).

Pressure: to 2000 PSI (136 BAR).



Part No.	Size
44080	1/4" x 300"
44081	1/4" x 600"
44082	1/2" x 300"
44083	1/2" x 600"
44084	1/2" x 1200"
44085	3/4" x 300"
44086	3/4" x 600"
44087	1" x 300"
44088	1" x 600"
44003*	1/2" x 600"

Case Quantity: 12, In 1 dozen display box

*Carded - 1/card

Magnetic Grounds for Rotary or Manual Arc Welding

Heavy shop use has proved that Magnetrote improves weld quality while reducing weld costs.

Here's how:

1. Magnetrote stabilizes the arc.
2. Reduces spatter (and cuts down clean-up time); cuts rod spatter loss 10% or more.
3. Reduces magnetic blow.
4. Increases penetration and density of weld, also improving root fusion.
5. Operates on lower current, makes less demand on generator or transformer.
6. Reduces heat and crystallization in parent metal, improves annealing around weld, cuts rod stub waste.

Rotary Welding

No cable twist on turning roll work with the rotary Magnetrote; a real trouble-saver as well as the perfect grounding contact. Simple design and lifetime magnet assure extra long service life.

Model 900-(400 AMPS) with terminal handle for attaching one 4/0 ground cable.

Model 1500-(1000 AMPS) with terminal handle for attaching two 4/0 ground cables.

Model 2000-(1500 AMPS) with terminal handle for attaching three 4/0 cables.



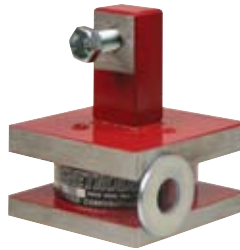
Part No. 1500

Part No.	Description
0900	Magnetic ground 400 AMP rotary
1500	Magnetic ground 1000 AMP rotary
2000	Magnetic ground 1500 AMP rotary

Manual Welding

Sure-holding ground contacts for better and more economical welding, with lifetime magnets and plenty of stock at holding areas; when pitted, just grind smooth.

Connect to ground cable, place on work and strike arc; Magnetrote holds in any position. Stabilizes arc, increases penetration, reduces spatter, reduces heat and crystallization in parent metal, improves current efficiency and weld quality.



Part No. 0700

Part No.	Description
0200	Magnetic ground 200 AMP
0700	Magnetic ground 400 AMP



Switchable Magnetic Ground Clamps

The Magswitch Switchable Magnetic Welding Clamp lets welders quickly set up, weld and move on to the next job, thanks to this new magnetic technology. Simply place it on a clean work surface, turn it on and start welding. It makes welding quicker and easier than ever. It's that easy.

- Grounds instantly. No more searching for or creating a ground location.
- Turn on Magswitch and start welding.
- Stays clean. Turn off Magswitch and wipe away debris.
- Reusable - saves welders time and money.
- Quick and easy connect and disconnect.
- Easily attaches to flat or round surfaces.
- No more tacking on tabs in large sheet-weld or pipe jobs.



Part No. 8100315

Part No.	Description
8100340	200 AMP MAG Ground Clamp
8100315	300 AMP MAG Ground Clamp
8100316	600 AMP MAG Ground Clamp



Magnetic MagSquare / Hanging Hook / Material Lifting Magnet

Switchable Magnetic MagSquare

Once you use Magswitch MagSquares, you'll have to have them in your toolbox. Our MagSquares provide a new level of fast and easy multiplane workholding when positioning steel. Magswitch MagSquares exert a powerful magnetic field with a simple 180-degree rotation of the knob.

- Simple and fast.
- No need for tedious clamping.
- Holds on flat or round surfaces.
- Grips on three sides.
- Fast, strong, and precise positioning.
- Extremely powerful-up to 150-lbs breakaway on flat 1/4 inch-thick steel.
- Use MagSquares to mount workholding jigs.
- Pre-tapped holes on all sides for mounting.



Part No. 8100054

Part No.	Description	Breakaway wt*
8100054	30 MM MagSquare Holder	150 lb
8100106	50 MM MagSquare Holder	550 lb
8100099	70 MM MagSquare Holder	1000 lb

*Breakaway on flat 1/4" thick steel



Switchable Hanging Hook

Magswitch Hanging Hooks let you hang tools, lights, support wires, air hoses, ground lines and more, quickly and easily. By using the Hanging Hooks, everything you need can be within reach.

- Perfect for temporary holding of lines, hoses, lights, tools, or loose nuts and bolts.
- For use around the job site or shop.
- The perfect universal tool for a quick connect-disconnect hanger.
- Attaches to flat or round surfaces with ease.
- Quickly secure and hold just about anything, anywhere.



Part No. 8100006

Part No.	Description	Breakaway wt*	Holds up to.
8100012	30 MM Gorilla Hanging Hook	100 lb	40 lb
8100006	50 MM Gorilla Hanging Hook	215 lb	40 lb

*Breakaway on flat 1/4" thick steel



Magswitch Medium-Duty, Heavy-Duty Lifters

Remarkably, this new technology lets you turn magnetic power on and off with a half turn of a handle! When incorporated into the ergonomic design of the Magswitch Medium-Duty Lifters and Heavy-Duty Lifters, you can pick up and move incredibly heavy, cumbersome objects with ease.



Part No. 8100127



Single Medium Lifter

- Extremely powerful – rated to lift up to 167-lbs.
- Easy on/off actuation.
- Fast, easy positioning.
- Lightweight and compact.
- More effective on thinner material than competitors.
- Easy on/off for precise positioning.
- Holds flat and round non-flexing material.
- Easy to use with freedom from electricity and batteries.
- Will not overheat like electromagnets.
- Locking handle.

Dual Heavy Lifter

- Extremely powerful – rated to lift up to 660-lbs.
- Easy on/off actuation.
- Fast, easy positioning.
- Lightweight and compact.
- More effective on thinner material than competitors.
- An innovative breakthrough in magnetic technology that provides powerful control.
- Will not overheat like electromagnets.
- Locking handle.
- Sheds debris.
- No batteries.
- No electricity.
- Pound for pound stronger than.

Tri Heavy Lifters

- Lightweight and compact.
- Pound for pound stronger than competitors.
- Holds on flat and round materials.
- Easy to use with freedom from electricity.
- Easy on/off actuation.
- Fast, easy positioning.
- More effective on thinner material than competitors.
- An innovative breakthrough in magnetic technology that provides powerful control.
- Will not overheat like electromagnets.
- Locking handle.
- Sheds debris.

Part No.	Description	Holds up to
8100089	Single 50mm Medium Lifter	167 lb
8100088	Single 70mm Medium Lifter	315 lb

Part No.	Description	Holds up to
8100151	Dual-70mm Heavy Lifter	660 lb

Part No.	Description	Holds up to
8100018	Tri-50mm Heavy Lifter	500 lb
8100127	Tri-70mm Heavy Lifter	1000 lb

Switchable Extenda-Lifter

Remarkably, this new technology lets you turn magnetic power on and off with a half turn of a handle! When incorporated into the ergonomic design of the Magswitch Magnetic Extenda-Lifter, you can pick up and move incredibly heavy, cumbersome objects with ease.

- No Need to bend over and pickup materials.
- Easy on/off control for precise positioning.
- Lightweight and compact.
- More effective than competitors on thinner materials.
- Holds on flat and round non-flexing material.
- Easy to use with freedom from electricity.



Part No. 8100025

Part No.	Description	Holds up to
8100025	Extenda-Lifter-50mm	70 lb



Switchable 90° Welding Angle

- Unlike competitive brands, when the Magswitch is off, it easily allows debris to fall away
- Fast, easy on/off magnet control
- Reversible for inside or outside hold
- Holds flat and pipe
- Non-marring hold
- Locking knob for added safety
- Add additional Magswitches for greater strength

30mm

- 8" welding angle featuring two super-strong Magswitches, each with up to 155-lb breakaway force.
- Versatile: pre-tapped holes to change Magswitch position for inside or outside angles.

50mm

- 12" square featuring two super-strong Magswitches, each with up to 550-lb breakaway force.
- 180-degree turn off the Magswitch knob to activate/deactivate.
- Magswitch holding force gradually increases as knob is turned, allowing precise positioning.



Part No. 8100036

Part No.	Description	Holds up to
8100010	30 MM	155 lb
8100036	50 MM	600 lb



Ajustable Switchable Boomer Angle

- Fast, easy on/off magnet control.
- Unlike competitive brands, when the Magswitch is off, debris easily falls away.
- Holds flat and pipe.
- Non-marring hold.
- Magswitch holding force gradually increases as knob is turned, allowing precise positioning.
- 1/2 turn off the Magswitch knob to activate/deactivate.
- Knobs on one side can be removed for flat work on table tops.
- Magnets pivot for inside or outside holding.
- No batteries, no electricity.

30mm

- Versatile: rotating Magswitches for virtually unlimited angles.
- 8" adjustable angle featuring two super-strong Magswitches, each with up to 155-lb breakaway force.
- Never before has a super-strong permanent magnet been so easy to control.

50mm

- 10" adjustable angle featuring two super-strong Magswitches, each with up to 550-lb breakaway force.
- Reversible for inside or outside hold.
- Versatile: rotating Magswitches for virtually unlimited angles.



Part No. 8100090

Part No.	Description	Holds up to
8100091	30 MM	155 lb
8100090	50 MM	600 lb



Temperature Indicator

Thermomelt® HEAT STIK™ Temperature Indicators

- Accurate, fast, low-cost method for measuring surface temperatures.
- Accurate to within ±1% of stated temperature.
- 4-1/2" Thermomelt® Big Stik® features a stainless steel holder with pocket clip for convenient, easy use.
- Meets ANSI/ASME Code B31 & B31.3, AWS D1.1 and ASME Code Sec. I, III and VII, NIST traceable.

**33%
BIGGER!**
THAN THE ORIGINAL



Part No.	°F	°C
86400	100	38
86409	109	43
86418	113	45
86427	119	48
86436	125	52
86445	131	55
86454	138	59
86463	150	66
86472	163	73
86481	175	79
86490	182	83
86499	188	87
86508	194	90
86517	200	93
86522	206	97
86526	213	101
86535	219	104
86544	225	107
86553	238	114
86562	250	121
86569	256	124
86571	263	128
86580	269	132
86589	275	135
86598	282	139
86607	288	142
86616	294	146
86625	300	149
86634	306	152
86643	313	156

Part No.	°F	°C
86652	319	159
86661	325	163
86670	331	166
86679	338	170
86688	344	173
86697	350	177
86706	363	184
86715	375	191
86724	388	198
86733	400	204
86742	413	212
86751	425	218
86760	438	225
86769	450	232
86778	463	239
86787	475	246
86796	488	253
86805	500	260
86814	525	274
86823	550	288
86832	575	302
86841	600	316
86850	625	329
86859	650	343
86868	700	371
86877	750	399
86886	800	427
86895	850	454
86904	900	482

Part No.	°F	°C
86922	950	510
86931	1000	538
86940	1022	550
86949	1050	565
86958	1100	593
86967	1150	621
86976	1200	649
86985	1250	677
86994	1300	704
87003	1350	732
87012	1400	760
87021	1425	774
87030	1450	788
87039	1480	804
87048	1500	816
87057	1550	843
87066	1600	871
87075	1650	899
87084	1700	927
87093	1750	954
87102	1800	982
87111	1850	1010
87120	1900	1038
87129	1950	1066
87138	2000	1093
87147	2050	1121
87156	2100	1149
87165	2150	1177
87174	2200	1204

Benefits of Using a Motor Guard Air Filter

These compressed air filters utilize a patented concept of filtration and will remove oil aerosols, condensed moisture, smoke and sub-micronic particulates (as small as .01 microns, nominal) from compressed air lines, and as an illustration of efficiency you can manually blow through the unit without difficulty, but the filter will not pass tobacco smoke.

On plasma cutting systems using shop compressed air as the source gas, oil aerosols and condensed moisture in the air will cause the arc to “sputter,” reducing the cutting efficiency of the system and accelerating corrosive wear of the electrode and tip.

The installation of a Motor Guard Compressed Air Filter on the plasma cutting system downstream of the air regulator will effectively remove the contamination from the compressed air thus eliminating the “sputter” from the arc, restoring the plasma system to maximum cutting efficiency and reducing the corrosive wear on the tip and electrode.

Sub-Micronic Compressed Air Filters



This filter is equipped with a mounting bracket that will facilitate an installation on the top, side or rear panel of the smaller, portable plasma cutting systems. The filter is equipped with 1/4" NPT ports to match the fittings on most plasma systems and has a rated air flow of over 2,700 SCFH.

Part No. M-26



This filter is recommended for use with the larger, stationary plasma cutting systems used for high volume and production cutting on industrial applications. Specifically designed to be mounted in the outlet of the rigid compressed air line adjacent to the plasma system, the filter is equipped with 1/2" NPT ports, and the rated flow is 6,000 SCFH.

Part No. M-60



This miniature, completely disposable filter is designed for use with the lightweight, low amperage plasma cutting systems that do not have sufficient space to install one of the larger air filters. Designed for installation in the air hose downstream of the air regulator, the filter has a rated flow of 1,800 SCFH and the ports are 1/4" NPT(F). With the assumption that these small plasma cutting systems are used infrequently, the estimated life of the filter should be several weeks.

Part No. D-13 (Disposable)

Replacement Filter



- Refill for M-26 and M-60
- Sold 4 per box

Part No. M-723

Disposable Desiccant Filter



- Includes a unique color change indicator to signal time to change out the filter
- Absorbs oil, condensed moisture and contaminants as small as 5 microns
- Attaches to the air inlet of the spray gun or plasma torch
- 2 per card

Part No. DD-1008-2

Supreme Soft Scuff Pad Backer Block



- Distributes even pressure over the full area
- Heavy-duty “T Hooks” securely hold the scuff pad to the block when used wet or dry and with any brand or grade of scuff pad

Part No. BBS-1

Part No.	Pipe Size	Max. Flow @ 80 PSI	Maximum Pressure	Maximum Temperature	Removal Rating (Nom.)	Size	Replacement Element
M-26	1/4" NPT	2700 SCFH	125 PSI	175° F	.01 Microns	5" x 7"	M-723
M-60	1/2" NPT	6000 SCFH	125 PSI	175° F	.01 Microns	5" x 7"	M-723
D-13	1/4" NPT	1800 SCFH	100 PSI	175° F	.01 Microns	2-1/2" x 3"	None
DD-1008-2	1/4" NPT	1200 SCFH	100 PSI	120° F	5 Microns	1-1/2" x 3-1/2"	None

Clamps / Hose Menders / Pincers

2-Ear Clamps

These medium pressure clamps are ideally suited for both maintenance and O.E.M. applications. Rubber hose, plastic tubing, coaxial and electrical cable, rope, etc. are all readily clamped. The one-piece design offers positive clamping action. The clamps are widely used on air, fluid, gas and steam lines.



Part No.	Old Part No.	Size Ref.	Nominal Clamping Range	
			Closed-Open (inches)	Closed-Open (mm)
10100000	0041	5/32"	.122 - .161	3.1 - 4.1
10100001	0045	11/64"	.138 - .177	3.5 - 4.5
10100002	0305	3/16"	.134 - .197	3.4 - 5.0
10100004	0507	1/4"	.197 - .276	5.0 - 7.0
10100008	0709	5/16"	.276 - .354	7.0 - 9.0
10100011	0811	3/8"	.319 - .433	8.1 - 11.0
10100016	1113	1/2"	.425 - .512	10.8 - 13.0
10100019	1315	9/16"	.492 - .591	12.5 - 15.0
10100022	1517	19/32"	.551 - .669	14.0 - 17.0
10100024	1518	5/8"	.591 - .709	15.0 - 18.0
10100027	1720	3/4"	.638 - .787	16.2 - 20.0
10100029	1922	13/16"	.713 - .866	18.1 - 22.0
10100030	2023	7/8"	.752 - .906	19.1 - 23.0
10100032	2225	15/16"	.831 - .984	21.1 - 25.0
10100034	2327	1"	.886 - 1.063	22.5 - 27.0
10100035	2528	1-1/16"	.945 - 1.102	24.0 - 28.0
10100037	2731	1-1/8"	1.035 - 1.220	26.3 - 31.0
10100041	3134	1-5/16"	1.154 - 1.339	29.3 - 34.0
10100043	3437	1-7/16"	1.260 - 1.457	32.0 - 37.0
10100045	3740	1-1/2"	1.378 - 1.575	35.0 - 40.0
10100047	4043	1-5/8"	1.480 - 1.693	37.6 - 43.0
10100049	4346	1-3/4"	1.598 - 1.811	40.6 - 46.0

1-Ear Clamps

Are suitable for use by OEMs, but are also ideal for maintenance, repair and service purposes. With this design of clamp, rubber hoses, plastic tubing, electrical cables, welding hoses, and numerous other materials can be rapidly and securely fastened.



- Fast, simple, secure installation.
- Smooth de-burred edges prevent damage to clamped parts.
- Deformation of ear provides visual indication that clamp is closed.

Part No.	Old Part No.	Size Ref. (inches)	Nominal Clamping Range	
			Closed-Open (inches)	Closed-Open (mm)
10500014	241	15/16"	.839 - .949	21.3 - 24.1
10500019	316	1-1/4"	1.122 - 1.244	28.5 - 31.6
10500020	331	1-5/16"	1.181 - 1.303	30.0 - 33.1
10500022	361	1-7/16"	1.299 - 1.421	33.0 - 36.1
10500024	381	1-1/2"	1.378 - 1.500	35.0 - 38.1
10500028	440	1-23/32"	1.610 - 1.732	40.9 - 44.0
10500029	455	1-3/4"	1.699 - 1.787	42.4 - 45.4
10500035	545	2-1/8"	2.024 - 2.146	51.4 - 54.5

1-Ear Clamps with Insert



Part No.	Old Part No.	Size Range (mm)
15400014	6.1	4.7 - 5.7
15400015	6.6	5.2 - 6.2
15400019	8.3	6.6 - 7.8
15400020	8.7	7 - 8.2
15400022	9.5	7.5 - 9
15400023	10.0	8 - 9.5
15400024	10.5	8.5 - 10
15400028	12.0	9.5 - 11.5
15400029	12.3	9.8 - 11.8
15400035	15.0	12.3 - 14.3

Hose Menders

Oetiker menders are constructed of plastic to guard against rust. Pronounced bead at each end assure firm grip. Center ribs add strength and assure proper positioning of hose.



Part No.	Nominal Size	
	Inches	mm
18800040	1/4"	6
18800041	5/16"	8
18800042	3/8"	10
18800043	1/2"	13
18800044	5/8"	16
18800045	3/4"	19

Pincers

All that is needed to either apply or remove O-Clamps and Band clamps is a simple and inexpensive pincer. Oetiker pincers are forged from high quality steel for heavy usage. They are also handy for cutting wire, strapping, pulling nails, etc.



New Part No.	Old Part No.	Description
14100082	1098	Standard Jaw Pincer
14100083	1099	Side Jaw Pincer

Clamp Kits

Oetiker clamp kits are a handy and useful item in any tool box. Our wide selection of kits make it easy to choose a style that will suit individual requirements.

Weld Hose Repair Kits

Plastic kit box includes:

Part No.	Description	Quantity
14100082	Standard jaw pincer (1098)	1
09000141	Acetylene "B" LH brass nut	6
09000142	Oxygen "B" RH brass nut	6
09000143	3/16" brass nipple	2
09000144	1/4" brass nipple	6
18800048	3/16" brass holder mender	2
18800049	1/4" brass holder mender	4
10100016	1/2" 2- ear clamp (1113)	10
10100019	9/16" 2- ear clamp (1315)	40
10800005	9/16" twin clamp (1415/2)	4



New Part No.	Old Part No.	Description
18500106	WK82	w/ standard jaw pincer

Pocket Kits

Plastic kit box includes:

2-Ear Clamps	Menders
15 of 1/2"	5 of 1/4"
15 of 9/16"	5 of 5/16"
15 of 5/8"	
15 of 3/4"	

Plus 1 pair of pincers as identified by part number.



New Part No.	Old Part No.	Description
18500049	PK1098	w/ standard jaw pincer
18500050	PK1099	w/ side jaw pincer

Clamp Kits

(Formerly called Mender Kits)

Plastic kit box includes:

2-Ear Clamps	Menders
50 of 3/8"	5 of 1/4"
50 of 1/2"	5 of 5/16"
50 of 9/16"	5 of 3/8"
50 of 5/8"	5 of 1/2"
25 of 3/4"	
25 of 7/8"	

Plus 1 pair of pincers 14100082 (1098).



New Part No.	Old Part No.	Description
18500045	MC1098	w/ standard jaw pincer

Service Kits

Plastic kit box includes:

2-Ear Clamps		
15 of 5/16"	15 of 3/8"	15 of 1/2"
15 of 9/16"	15 of 5/8"	12 of 3/4"
12 of 7/8"	12 of 15/16"	12 of 1"

Plus 1 pair of pincers as identified by part number.



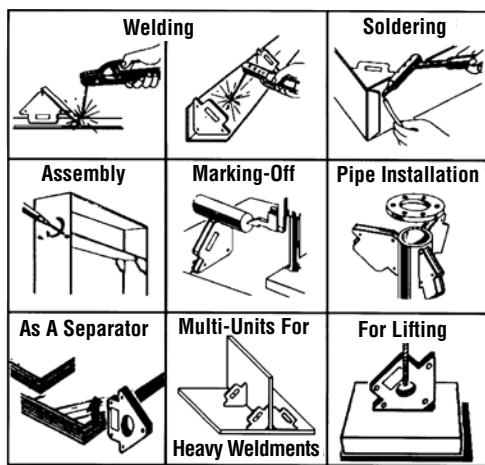
New Part No.	Old Part No.	Description
18500056	SK1098	w/ standard jaw pincer
18500057	SK1099	w/ side jaw pincer

Mag Tool / Tank Wrenches

Mag Tool™: Multi-Purpose Magnetic Holders

- Designed to work as an extra hand- enables fast and accurate holding of any ferrous object.
- Will hold both sheet and tube at angles of 45°, 90° and 135°
- Compact design allows use in tight places.
- Can be used as double-sided holder for welding and assembly work.
- Ideal for use as work-holder and positioner in welding, soldering, marking-off, pipe installation, supporting, jiggling, assembly, as a separator, multi-units for heavy weldments, lifting etc.
- 10 per carton.

⚠ Caution! Do not use with DC current when welding.



Part No. M-060



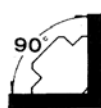
Part No. M-061



Part No. M-063



Part No. M-065



Part No.	Dimensions		Supports up to		Direct lifts (each angle)*		Net weight	
	Inches	cm	Lbs.	Kg	Lbs.	Kg	Oz.	Grams
M-060 (small)	3.6 x 2.4 x 0.44	9 x 6 x 1.1	28	12.5	11	5	6	170
M-061 (medium)	4.7 x 3.4 x 0.56	12 x 8.5 x 1.4	48.5	22	18.5	8.5	12	340
M-063 (large)	6.3 x 4 x 0.63	15.8 x 10 x 1.7	90	41	35	16	1.65	750
M-065 (x-large)	7-9 x 5 x 0.88	20 x 12.5 x 21	122	55	48.5	22	2.75	1.25

Magnet: anisotropic ferrite

* In contact with ferrous objects of adequate thickness and smooth surface finish.

Tank Wrenches

- Heavy-duty forged tank wrenches fit most valve stems and gas connections.
- Socket-holes are deep, smooth and precisely sized for solid connection.
- Larger handles for firm grip and better leverage.
- All wrenches are individually packaged.



Part No. 1013



Part No. 0250



Part No. 0010



Part No. 0005

Part No.	UPC No. 0 27719	Description	Hole Size		Ctn/Case
			Inches	mm	
1013	01320 6	Ten way tank wrench, 3/16" - 1-1/8" with 3/8" socket	3/8	9.52	10/50
0250	01321 3	"T" handle tank wrench, for Linde® acetylene valves	9/32	7.14	10/100
0020	01330 5	"T" handle tank wrench, for commercial acetylene valves	3/8	9.52	10/100
0010	01331 2	"L" handle tank wrench, for commercial acetylene valves	3/8	9.52	20/200
0005	01332 9	Box tank wrench, for "B" & "MC" acetylene valves	3/16	4.76	100/1000

Pressure Gauges

- Premium quality replacement gauges are the industry standard.
- Oxy-cleaned welding gauges (cleaned for oxygen per ANSI B40.1 STD.). Suitable for use on oxygen service, medical equipment and other fuel gases which are non-corrosive to brass or bronze and where stem-mounting is desired.
- Polished drawn brass or gold powder painted steel with one-piece, impact-resistant polycarbonate posilock lens.
- For use with compressed gas regulators, these gauges are an excellent choice for the original equipment and replacement applications. They will provide long-life and safe operation.
- Gauges are U.L. listed.

Specifications:

Case: Powder painted steel (gold) or polished drawn brass

Lens: One-piece, impact-resistant polycarbonate

Socket: Brass

Connection: 1/4" N.P.T. - 2" (50 mm) and 2-1/2" (60 mm) dial

Movement: Precision machined all copper alloy

Tube: Copper alloy bourdon tube

Pointer: Black-finished aluminum

Dial-face: Easy-to-read, corrosion-resistant aluminum dial

Accuracy: 3%-2%-3% per ANSI B40.1 grade B



Polished Drawn Brass BG Series



POP Part No.	Boxed Part No.	Size	PSI
BG-15100	BG-15100-B	1.5"	100
BG-15200	BG-15200-B	1.5"	200
BG-1530	BG-1530-B	1.5"	30
BG-15400	BG-15400-B	1.5"	400
BG-154000	BG-154000-B	1.5"	4000
BG-230	BG-230-B	2"	30
BG-2100	BG-2100-B	2"	100
BG-2200	BG-2200-B	2"	200
BG-2400	BG-2400-B	2"	400
BG-24000	BG-24000-B	2"	4000
BG-2530	BG-2530-B	2-1/2"	30
BG-25100	BG-25100-B	2-1/2"	100
BG-25200	BG-25200-B	2-1/2"	200
BG-25400	BG-25400-B	2-1/2"	400
BG-254000	BG-254000-B	2-1/2"	4000
BG-260	BG-260-B	2"	60
BG-2600	BG-2600-B	2"	600
BG-23000	BG-23000-B	2"	3000
BG-2560	BG-2560-B	2-1/2"	60
BG-25600	BG-25600-B	2-1/2"	600
BG-251000	BG-251000-B	2-1/2"	1000
BG-253000	BG-253000-B	2-1/2"	3000
Gauge Cover Lens			
GCL-25		2-1/2"	

Powder Painted Steel PG Series



POP Part No.	Boxed Part No.	Size	PSI
PG-15100	PG-15100-B	1.5"	100
PG-15200	PG-15200-B	1.5"	200
PG-1530	PG-1530-B	1.5"	30
PG-15400	PG-15400-B	1.5"	400
PG-154000	PG-154000-B	1.5"	4000
PG-230	PG-230-B	2"	30
PG-2100	PG-2100-B	2"	100
PG-2200	PG-2200-B	2"	200
PG-2400	PG-2400-B	2"	400
PG-24000	PG-24000-B	2"	4000
PG-2530	PG-2530-B	2-1/2"	30
PG-25100	PG-25100-B	2-1/2"	100
PG-25200	PG-25200-B	2-1/2"	200
PG-25400	PG-25400-B	2-1/2"	400
PG-254000	PG-254000-B	2-1/2"	4000
Gauge Cover Lens			
GCL-2		2"	

Rotary Burs / Steel Files and Brushes

Tungsten Carbide, Rotary Burs (Double Cut)

- Tungsten carbide rotary burs offer perfect solutions for the welding jobs: trimming welds, grinding smooth fillets & preparation for weld.
- Tungsten carbide burs give you longer life, due to the optimum coordination of number of flutes, spiral angle, rake angle and concentricity.
- Designed for high stock removal rates with proportionate long life.
- Superior performance for machining of materials with any tensile strength.
- The most common used burs in shapes and sizes are as follows, in double cut.
- All rotary burs have a standard shank of 1/4" (6 mm) and packaged 1 piece to a pack.
- 10 per carton.

Note: Use lower speeds when cutting harder ferrous materials and higher speeds for softer non-ferrous materials.



Part Nos: SC-5-DC SF-5-DC SA-5-DC SL-4-DC SD-5-DC

Steel Rotary Files and Rasps

- Rotary burs offer perfect solutions for the welding jobs: trimming welds, grinding smooth fillets and preparation for welding.
- Repairs can be easily done because of a variety of shapes and sizes available.
- 10 per carton



Part Nos: CSA-5 CSF-5 CSD-5 CSC-5 CSL-4
RM-6 RE-6 RC-6 RA-6

Part No.	UPC No. 0 27719	Description
Steel rotary files		
CSA-5	00143 2	1/2" X 7/8", cylindrical shape
CSF-5	00144 9	1/2" X 7/8", round tree shape
CSD-5	00145 6	1/2" X 1/2", ball nose shape
CSC-5	00147 0	1/2" X 7/8", cylindrical shape
CSL-4	00148 7	1/2" X 7/8", 14° angle shape
RFS-5	03285 6	Steel rotary file kit, 5 pc. set
Steel rotary rasps		
RA-6	00153 1	Cylindrical shape
RC-6	00157 9	Ball nose shape
RE-6	00158 6	Oval shape
RM-6	00162 3	Cone shape

Note: Use lower speeds when cutting harder ferrous materials and higher speeds for softer non-ferrous materials.

Steel Files and Brushes

Half-Round File, Bastard

- Manufactured from the finest quality materials for long life.
- Uniform in cut ensures quick stock removal.
- Extremely durable and scientifically balanced.
- Double cut on both sides for outstanding performance.



Part No. HRB12

Scratch Brush, Long and Shoe Handle

- Used for removing rust, scale, paint, solder etc.
- Additional uses include cleaning threads, files, metal parts and castings.
- Available in carbon or stainless steel.



Part No. 388-CS



Part No. SH-46-CS

Brass Brush, Toothbrush Style 3 x 7 Rows

- Light duty cleaning of hard-to-reach spots and for cleaning welds in confined areas.



Part No. T-37-B

Parts Cleaning Brush

- Resistant to most parts cleaning solutions.
- Great for hard-to-reach spots and for cleaning in confined areas comes with a metal ferrule for more support.



Part No. PC-1P

Part No.	UPC No. 0 27719	Description	Ctn
HRB12	01348 0	Half-round file, bastard, 12", bulk	5/50
HRB14	01349 7	Half-round file, bastard, 14", bulk	5/50

Part No.	UPC No. 0 27719	Description	Ctn
Long handle			
388-CS	03370 9	Scratch brush, bulk	12/120
388-SS	03371 6	Stainless steel brush, bulk	12/120
Shoe handle			
SH-46-CS	03372 3	Shoe handle brush, bulk	12/120
SH-46-SS	03373 0	Stainless steel brush, bulk	12/120

Part No.	UPC No. 0 27719	Description	Ctn
T-37-B	00160 9	Brass brush, 3 x 7 rows, bulk	50/600
T-37-SS	00393 1	Stainless steel brush, 3 x 7 rows, bulk	50/600

Part No.	UPC No. 0 27719	Description	Ctn
PC-1P	00159 3	Parts cleaning brush, bulk	50/300

Electrode Holders

- Ergonomically designed.
- Lever for good hand clearance and better hold.
- Lightweight and easy-to-use.
- Available in a complete range of styles, sizes & capacities (150- 500 amp.) for accommodating electrodes from 1/16" (1.5 mm) through 3/8" (10 mm) from economically priced to heavy-duty models.
- Made from high quality materials for both high conductivity and improved cable connections.
- Efficient grooved jaw design insures firm electrode grip.
- Fully insulated, high strength spring for excellent gripping power.
- Heavy-duty, shock-proof nylon handle.
- Supplied with an allen wrench and cable connection ferrule assuring efficient connection and minimizing cable strand breakage at the connection.

Hyclass™ High Tong Type

- 10 per carton.



Part No. PA-532



Part No. PA-732



Part No. PA-38-HD

Part No.	UPC No. 0 27719	Amperage Capacity	Electrode Capacity		Cable Capacity		Length		Weight	
			Inches	mm	AWG	mm ²	Inches	mm	oz.	grams
PA-532	00746 5	200	Up to 5/32	4.0	2/0	70	8	215	15	415
PA-316	00751 9	250	Up to 3/16	4.8	2/0	70	9	235	16	450
PA-732	00756 4	300	Up to 7/32	5.6	2/0	70	10	250	19	530
PA-14	00761 8	350	Up to 1/4	6.4	4/0	105	11	275	22	630
PA-14-HD	01117 2	400	Up to 1/4	6.4	4/0	105	11	280	23	650
PA-38-HD	01122 6	500	Up to 3/8	10	4/0	105	12	310	30	850

Match your Pearson® electrode holder to the electrode size and amperage used for greatest efficiency.

Replacement Parts for Hyclass™ Tip Insulators

- Upper and lower tip insulators are sold as a set.

Model No.	Part No.	UPC No. 0 27719	Amperage Capacity					
			200	250	300	350	400	500
PA-532	TI-4	01062 5	•					
PA-316				•				
PA-732	TI-5	01067 0			•			
PA-14						•		
PA-14-HD							•	
PA-38-HD	TI-6	01072 4						•

Myclass™ Maintenance Class

- 10 per carton.



Part No. AF-2



Part No. AF-3



Part No. AF-50

Part No.	UPC No. 0 27719	Amperage Capacity	Electrode Capacity		Cable Capacity		Length		Weight	
			Inches	mm	AWG	mm ²	Inches	mm	oz.	grams
AF-1	00726 7	150	Up to 5/32	4.0	1/0	50	8	215	14	390
AF-2	00731 1	200	Up to 5/32	4.0	1/0	50	8	215	14	390
AF-25	01112 7	250	Up to 3/16	4.8	2/0	70	8	215	14	400
AF-3	00736 6	300	Up to 1/4	6.4	2/0	70	10	250	22	610
AF-50	00741 0	500	Up to 3/8	10	4/0	105	12	310	28	800

Match your Pearson® electrode holder to the electrode size and amperage used for greatest efficiency.

Replacement Parts for Myclass™ Tip Insulators

- Upper and lower tip insulators are sold as a set.

Model No.	Part No.	UPC No. 0 27719	Amperage Capacity				
			150	200	250	300	500
AF-1	TI-1	01047 2	•				
AF-2				•			
AF-25					•		
AF-3	TI-2	01052 6				•	
AF-50	TI-3	01057 1					•

Electrode Holders

Proclass™ Production Class

- 10 per carton.



Part No. JH-1



Part No. AW-C



Part No. A3-S

Part No.	UPC No. 0 27719	Amperage Capacity	Electrode Capacity		Cable Capacity		Length		Weight	
			Inches	mm	AWG	mm ²	Inches	mm	oz.	grams
JH-1	01137 0	250	Up to 3/16	4.8	1/0	50	8	215	15	430
AW-C	01142 4	300	Up to 1/4	6.4	2/0	70	10	250	22	610
A3-S	01147 9	500	Up to 3/8	10	4/0	105	13	325	32	900

Match your Pearson® electrode holder to the electrode size and amperage used for greatest efficiency.

Replacement Parts for Proclass™ Tip Insulators

- Upper and lower tip insulators are sold as a set.

Model No.	Part No.	UPC No. 0 27719	Amperage Capacity		
			200	300	500
JH-1	TI-9	01237 7	•		
AW-C	TI-10	01242 1		•	
A3-S	TI-11	01247 6			•

Electrode Holders STUB™ - Twist type (Stub Nose)

- Lightweight and easy-to-use.
- Better maneuverability - great for tight places.
- Excellent for vertical welding (Optimal type).
- Made from high quality materials for both high conductivity and improved cable connections.
- Efficient grooved jaw design insures firm electrode grip.
- Angle-head allows excellent visibility of production work (stub type).
- Fully insulated, high strength spring for excellent gripping power.
- Heavy-duty, shock-proof nylon handle.
- Supplied with an allen wrench and cable ferrule assuring efficient connection and minimizing cable strand breakage at the connection.
- 10 per carton.



Part No. 40-B

Part No.	UPC No. 0 27719	Amperage Capacity	Electrode Capacity		Cable Capacity		Length		Weight	
			Inches	mm	AWG	mm ²	Inches	mm	oz.	grams
40-B	00766 3	400	Up to 3/16	4.8	3/0	95	8-3/4	220	17	490

Match your Pearson® electrode holder to the electrode size and amperage used for greatest efficiency.

Replacement Part for STUB™ Head Assembly



Part No. 40-B-HA

Model No.	Part No.	UPC No. 0 27719	Amperage Capacity
40-B	40-B-HA	01127 1	400

Handyman™

- Lightweight and easy-to-use.
- Economically priced and available in two most popular models (200 & 300 amp.) for accommodating electrodes up to 3/16" (4.8 mm).
- Efficient grooved jaw design insures firm electrode grip.
- Fully insulated, high strength spring for excellent gripping power.
- Heavy-duty, shock-proof nylon handle.
- Supplied with an allen wrench and cable connection ferrule assuring efficient connection and minimizing cable strand breakage at the connection.
- 10 per carton.



Part No. HM-30

Part No.	UPC No. 0 27719	AMP Capacity	Electrode Capacity		Cable Capacity		Length		Weight	
			Inches	mm	AWG	mm ²	Inches	mm	oz.	grams
HM-20	02823 1	200	Up to 5/32	4.0	#1	35	8	200	11	310
HM-30	02829 3	300	Up to 3/16	4.8	2/0	70	9-1/4	235	14	380

Match your Pearson® electrode holder to the electrode size and amperage used for greatest efficiency.

**Replacement Parts for Handyman™
Tip Insulators**

- Upper and lower tip insulators are sold as a set.

Model No.	Part No.	UPC No. 0 27719	Amperage Capacity			
			200	250	300	400
HM-20	TI-14	00273 6	•			
HM-30					•	

SupraGrip™

- Made from high quality materials for both high conductivity and improved cable connections.
- Heavy-duty models are available in wide range of sizes and capacities (200-600 amp.) for accommodating electrodes from 1/16" (1.5 mm) through 3/8" (10 mm).
- Better maneuverability- great for tight places.
- Excellent for vertical welding.
- Straight-head allows excellent visibility of production work.
- High strength, heavy-duty, fully-insulated shock proof handle.
- Supplied with an allen wrench and cable connection ferrule assuring efficient connection and minimizing cable strand breakage at the connection.
- Newly designed electrode holder.
- 10 per carton.



Part No. SG-40

Part No.	UPC No. 0 27719	AMP Capacity	Electrode Capacity		Cable Capacity		Length		Weight	
			Inches	mm	AWG	mm ²	Inches	mm	oz.	grams
SG-20	00266 8	200	Up to 5/32	4.0	#1	35	8-3/4	220	12	330
SG-40	00268 2	400	Up to 5/16	8.0	3/0	95	10-1/4	260	19	530
SG-60	00271 2	600	Up to 3/8	10.0	4/0	105	10-3/4	275	23	630

Match your Pearson® electrode holder to the electrode size and amperage used for greatest efficiency.

**Replacement Parts for SupraGrip™
Head Assembly**

- Upper and lower tip insulators are sold as a set.

Model No.	Part No.	UPC No. 0 27719	Amperage Capacity				
			150	200	250	400	600
SG-20	SG-20-HA	00277 4		•			
SG-40	SG-40-HA	00278 1				•	
SG-60	SG-60-HA	00281 1					•

Tip Insulators

- Upper and lower tip insulators are sold as a set.



Top



Bottom

Model No.	Part No.	UPC No. 0 27719	AMP Capacity						
			150	200	250	300	350	400	500
TI-1	AF-1	01047 2	•						
	AF-2		•						
	AF-25			•					
TI-2	AF-3	01052 6				•			
TI-3	AF-50	01057 1						•	
TI-4	PA-532	01062 5		•					
	PA-316				•				
TI-5	PA-732	01067 0				•			
	PA-14					•			
	PA-14-HD						•		
TI-6	PA-38-HD	01072 4						•	
TI-7	UT-20	01227 8		•					
	UT-30					•			
TI-8	UT-40	01232 2						•	
TI-9	JH-1	01237 7			•				
TI-10	AW-C	01242 1				•			
TI-11	A3-S	01247 6						•	
TI-14	HM-20	00273 6		•					
	HM-30					•			

Ground Clamps

Ground Clamps

- Unique design helps eliminate arc blow and makes it easy to change ground location for the best results.
- Large contact area assures positive grounding.



Part No. EG-200



Part No. EG-300



Part No. EG-500

Steel Ground Clamps- EG Series

- Zinc plated.
- Large hex screw cable connection assures safe cable connection every time.
- Pure copper braided shunts on EG-500 - allows both jaws to carry welding current.
- 10 per carton.

Part No.	UPC No. 0 27719	AMP Capacity	Jaw Opening		Cable Capacity		Length		Weight	
			Inches	mm	AWG	mm ²	Inches	mm	oz.	grams
EG-200	00776 2	200	Up to 1-1/2	40	6-4	10-16	7	175	8	210
EG-300	00781 6	300	Up to 2	50	2-1	25-35	8	200	14	390
EG-500	00786 1	500	Up to 2	50	1/0-4/0	50-105	10	245	17	490

Magnetic Ground Clamps- MGC Series

- Large contact area assures excellent electrical contact.
- Strong gripping power: Pull strength = 130 Gauss.
- Grounding concealed to prevent dislodgement.
- Insulated to prevent annealing.
- Easy installation or removal.
- Most popular magnetic ground clamps in the market.
- 10 per carton.



Part No. MGC-300



Part No. MGC-500

Part No.	UPC No. 0 27719	AMP Capacity	Cable Capacity		Weight	
			AWG	mm ²	oz.	grams
MGC-300	00821 9	300	1-1/0	35-50	21	600
MGC-500	00826 4	500	2/0-4/0	50-105	22	623

Ground Clamps

- Pearson® ground clamps come in a range of models - from lightweight to heavy duty, high capacity models.
- Supplied with an allen wrench and cable connection ferrule assuring efficient connection and minimizing cable strand breakage at the connection.



Part No. PGC-200



Part No. PGC-300



Part No. PGC-500

Part No.	UPC No. 0 27719	AMP Capacity	Jaw Opening		Cable Capacity		Length		Weight	
			Inches	mm	AWG	mm ²	Inches	mm	oz.	grams
PGC Series										
PGC-200	00791 5	200	Up to 1	25	1-1/0	35-50	6	150	16	445
PGC-300	00796 0	300	Up to 1-1/2	40	1/0-3/0	50-95	8	200	25	715
PGC-500	00801 1	500	Up to 2	50	2/0-4/0	70-105	9	225	35	990

PGC, LGC and GC Series

- Contoured handle lever for easy jaw opening.
- Strong gripping power.
- Large contact area assures positive grounding.
- Fully insulated spring.
- Conductor body holds the cable securely.
- Large hex screw cable connection assures safe cable connection every time.
- 10 per carton.



Part No. LGC-200



Part No. LGC-300



Part No. LGC-500

Part No.	UPC No. 0 27719	AMP Capacity	Jaw Opening		Cable Capacity		Length		Weight	
			Inches	mm	AWG	mm ²	Inches	mm	oz.	grams
LGC Series										
LGC-200	00806 6	200	Up to 1	25	1-1/0	35-50	5-1/4	130	12	340
LGC-300	00811 0	300	Up to 1-1/2	40	1/0-3/0	50-95	7-1/4	180	21	600
LGC-500	00816 5	500	Up to 1-1/2	40	2/0-4/0	70-105	8	200	23	652



Part No. GC-2



Part No. GC-3



Part No. GC-5

Part No.	UPC No. 0 27719	AMP Capacity	Jaw Opening		Cable Capacity		Length		Weight	
			Inches	mm	AWG	mm ²	Inches	mm	oz.	grams
GC Series										
GC-2	01172 1	200	Up to 1	25	4-1/0	16-50	7	175	17	490
GC-3	01177 6	300	Up to 1-1/2	40	1/0-2/0	50-70	8-1/2	210	22	630
GC-5	01182 0	500	Up to 1-1/2	40	2/0-4/0	70-105	9-1/2	235	28	800

Battery Clamps / Cable Connectors and Adapters

Battery Clamps

- Excellent electrical and physical properties.
- All steel jaws.
- Hammer-on copper connection.
- Heavy duty tension spring gives positive connection on front and side.
- Vinyl insulation that is highly resistant to oil, acid, abrasion, chemicals and ozone
- Color coded- red and black.



Part No. BC-600B



Part No. BC-600R

Part No.	UPC No. 0 27719	Description	AMP	Jaw Opening		Cable Capacity		Weight		Ctn
				Inches	mm	AWG	mm ²	oz.	grams	
BC-600	00150 0	Battery clamps, set	600	Up to 1-1/2	40	1-3/0	35-95	16	435	10
BC-600R	00152 4	Battery clamp, red	600	Up to 1-1/2	40	1-3/0	35-95	8	218	20
BC-600B	00154 8	Battery clamp, black	600	Up to 1-1/2	50	1-3/0	35-95	8	218	20

WGC and CGC Series

- Large contact area assures excellent electrical contact.
- High clamping pressure.
- High alloy conductor assures maximum conductivity.
- 10 per carton.



Part No. WGC-600



Part No. CGC-600

Part No.	UPC No. 0 27719	AMP Capacity	Jaw Opening		Cable Capacity		Length		Weight	
			Inches	mm	AWG	mm ²	Inches	mm	oz.	kg.
CGC and WGC Series										
CGC-600	01192 9	600	Up to 4	100	1/0-4/0	50-105	8-1/4	205	63	1.8
WGC-600	01197 4	600	Up to 4	100	1/0-4/0	50-105	9-1/2	235	58	1.64

Cable Connectors

MBP Series

- Designed to efficiently conduct the current through a detachable-type connection.
- Cam-action design allows lock-in with a twist and pulls the two halves tightly together.
- Metal parts are precision machined from heavy brass extrusion- resists rust & corrosion.
- Connector covers have remarkable resistance to heat, cold, abrasion, ozone, oils & solvents. Tapered ends. Lock-out moisture, oil and dirt.
- Connector covers are specially compounded to be flame retardant.



Part No.	UPC No. 0 27719	Cable Capacity		Ctn
		AWG	mm ²	
MBP Series (paired)				
1-MBP	00831 8	4-1	16-35	10
2-MBP	00836 3	1/0-3/0	50-95	10
4-MBP	00841 7	3/0-4/0	95-105	10

Part No.	UPC No. 0 27719	Cable Capacity		Ctn
		AWG	mm ²	
Male				
1-MBP-1	00846 2	4-1	16-35	20
2-MBP-1	00851 6	1/0-3/0	50-95	20
4-MBP-1	00856 1	3/0-4/0	95-105	20
Female				
1-MBP-2	00861 5	4-1	16-35	20
2-MBP-2	00866 0	1/0-3/0	50-95	20
4-MBP-2	00871 4	3/0-4/0	95-105	20
Sleeves				
1-MBP-IS	For: 1-MBP (pair)			
2-MBP-IS	For: 2-MBP (pair)			
4-MBP-IS	For: 4-MBP (pair)			

Euro Cable Plug & Socket

Dinse® Style

- Introducing the finest international Dinse® style, Euro cable plug and sockets for use on most welding power sources.
- Simple and safe- just plug-in and tighten by a short, strong turn for positive stop-lock action and maximum conductivity.



Part No. SK-25



Part No. BK-25



Part No. SK-50



Part No. BK-50



Part No. SK-70



Part No. BK-70



Part No. SK-95



Part No. BK-95

Part No.	UPC No. 0 27719	Cable Capacity		Ctn
		AWG	mm ²	
DINSE® Style- Euro Cable Plug				
SK-25	00876 9	6-2	10-25	10
SK-50	00881 3	1-1/0	35-50	10
SK-70	00886 8	1/0-2/0	50-70	10
SK-95	00891 2	2/0-3/0	70-95	10
DINSE® Style- Euro Cable Socket				
BK-25	00896 7	6-2	10-25	10
BK-50	00901 8	1-1/0	35-50	10
BK-70	00906 3	1/0-2/0	50-70	10
BK-95	00911 7	2/0-3/0	70-95	10

Euro Cable Adapter

Dinse® Style to Pearson®

- Euro cable adapter (Dinse® style to Pearson®) allows to interconnect with most other types of U.S. Cable connectors - allows complete flexibility.



Part No. DA-5095



Part No. DA-1025

Part No.	UPC No. 0 27719	Cable Capacity		Ctn
		AWG	mm ²	
Euro Cable Adapter (DINSE® Style to Pearson®)				
DA-1025	00272 9	6-2	10-25	10
DA-5095	00916 2	1/0-3/0	50-95	10

Cable Connectors / Cable Lugs / Crimping Tools

Cable Connectors and Cable Lugs Euro Machine Panel Plug & Panel Socket Dinse® Style

- Designed to efficiently conduct current on the widest range of welding units and inverter-based power sources.
- Simple and safe- just plug-in and tighten by a short, strong turn for positive stop-lock action and maximum conductivity.



Part No.	UPC No. 0 27719	Cable Capacity		Ctn
		AWG	mm ²	
Panel Plug				
SE-1025	00921 6	6-2	10-25	10
SE-3570	00926 1	1-2/0	35-70	10
Panel Socket				
BE-1025	00931 5	6-2	10-25	10
BE-3570	00936 0	1-2/0	35-70	10
BE-7095	00941 4	2/0-3/0	70-95	10

Cable Lugs Solder Type

- Precision made from copper tubing.
- Extra long barrel for easy soldering or possible connection.
- Easy to use- flared-end for easy cable access.



Part No.	UPC No. 0 27719	AMP Capacity	Cable Capacity		Stud Hole		I.D. of Socket		Pcs./Card	Ctn
			AWG	mm ²	Inches	mm	Inches	mm		
L-68*	01202 5	75	6-8	8-10	21/64	8.3	10/32	8.0	10	10
L-46*	01207 0	100	4-6	10-16	21/64	8.3	11/32	8.5	10	10
L-62*	00946 9	150	6-2	10-25	17/32	13.5	1/2	13	10	5
L-120*	00951 3	200	1-2/0	35-70	17/32	13.5	35/64	14	10	5
L-3040*	00956 8	250	3/0-4/0	95-105	17/32	13.5	5/8	16	5	5

*Also available in bulk.

Hammer-on Type

- Easy and convenient to use- no special tools required.
- Hammer blow makes a solid connection.
- Excellent pull-out strength without soldering or bolting.



Part No.	UPC No. 0 27719	AMP Capacity	Cable Capacity		Stud Hole		I.D. of Socket		Pcs./Card	Ctn
			AWG	mm ²	Inches	mm	Inches	mm		
HL-62*	01212 4	150	6-2	10-25	17/32	13.5	1/2	13	10	5
HL-21*	00976 6	200	2-1	25-35	17/32	13.5	1/2	13	5	5
HL-1020*	00981 0	300	1/0-2/0	50-70	17/32	13.5	35/64	14	5	5
HL-3040*	00986 5	500	3/0-4/0	95-105	17/32	13.5	5/8	16	5	5

*Also available in bulk.

Crimper™ Heavy-Duty Crimping Tool

- Heavy duty, double slide support for rigidity.
- Durable spring-loaded mechanism holds terminal/lug in place.
- Delivers 1400-1800 lbs. (635-815 kg.) pull-out resistance (terminal to cable).
- Deep throat for easy insertion of terminal/lug fitted on cable end.
- Easy-to-read scale on both sides of drive punch prevents under-crimping.
- Wide base for stability- excellent for welding to a bumper of fleet service truck or for bolting to a bench.



Part No.	UPC No. 0 27719	Description	Cable Capacity		Jaw Opening		Weight	
			AWG	mm ²	Inches	mm	oz.	grams
CM-20	00476 1	Crimping tool	6-4/0	10-105	Up to 1	25	24	680

Part No. CM-20

4-Way Pick Set

- Knurled 5" (125 mm) aluminum handle.
- Four tempered steel picks 3" (75 mm) long screw into handle.
- Comes with handy vinyl protective case.
- Ideal for:
 - Remove stuck parts from tight areas.
 - Retrieve lost nuts, bolts, washers, tools etc.
 - Replace O-rings.
 - Ideal for die layouts.
 - Marking your tools.
- 10 per carton.

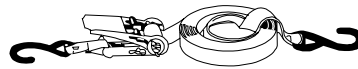


Part No. PS-4 (UPC No. 0 27719 03381 5)

Ratch-It Tie Downs with Chains

RT-112 and RT-115

- Rated capacity:
 - RT-112 - 1,500 lbs/680 kg (average strap strength)
 - RT-115 - 3,000 lbs/1360 kg (average strap strength)
- Quick Automatic Release.
- Rust resistant, cadmium plated steel hardware.
- Weather resistant straps. Vinyl coated hooks at each end that won't scratch (RT-112).
- High strength, bright safety yellow webbing with hook at each end to attach directly or loop back on to "D" ring (RT-115).
- RT-112S is excellent for "Single Handed Use" (Comes without end hooks).



Part No. RT-112



Part No. RT-115

RT-212C and RT-227C

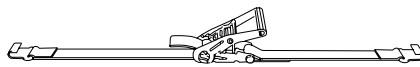
- Rated at high capacity:
 - RT-215C - 10,000 lbs/4540 kg (average strap strength).
 - RT-227C - 15,000 lbs/6800 kg (average strap strength).
- Fully adjustable for securing large, heavy or bulky loads.
- Rust resistant, cadmium plated steel hardware.
- Heavy-duty anchor chain at each end with grab hook.
- Extra-wide and long ratchet handle provides extra leverage.
- Weather resistant straps.
- Strong, lightweight and rugged 100% polyester webbing, Identified by bright yellow safety straps.
- RT-212C comes with ratchet handle protector: Heavy duty sewn fabric pad used to protect surface finish of cargo and ratchet mechanism ratchet handle protectors, wear pads help protect cargo and extend life of the tie down.



Part No. RT-227C

RT-215 and RT-227

- Rated at high capacity.
 - RT-215 - 5,000 lbs/2270 kg (average strap strength).
 - RT-227 - 10,000 lbs/4540 kg (average strap strength).
- Fully adjustable ratchet tie down used to secure large, heavy or bulky loads.
- Webbing is made with strong, lightweight and rugged 100% polyester, identified by bright yellow safety strap.

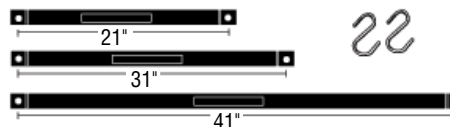


Part No. RT-215

Part No.	UPC No. 0 27719	Size (ft) W x L	Grab Hook	Max. Cap. (Lbs.)	Avg. Strap (Kg)	Weight (Lbs.)	Ctn/Case Pack
RT-112	00686 4	1" x 12'	5/16"	1,500	680	1	10/40
RT-115	00691 8	1" x 15'		3,000	1360	1.5	10/20
RT-215	00696 3	2" x 15'		5,000	2270	6.5	1/5
RT-227	00711 3	2" x 27'		10,000	4540	7	1/5
RT-212C	00716 8	2" x 12' (chain 5/16" x 12")	5/16"	10,000	4540	7.85	1/5
RT-227C	00721 2	2" x 27' (chain 3/8" x 12")	3/8"	15,000	6800	11.25	1/5

Rubber Tarp Straps

- Super strength compounded rubber lasts longer.
- Ozone, weather, wear, tear and abrasion resistant.
- Resists deterioration in outdoor environments.
- Reinforced ends.
- Cadmium plated sturdy steel "S" hooks.
- 10 per carton.
- 100 per case pack.



Part No.	UPC No. 0 27719	Length
RS-21	01759 4	21"
RS-31	01760 0	31"
RS-41	01761 7	41"

Cam-Type and Fillet Weld Gauge / Lightnin' Bug

MasterGage™

- High quality stainless steel (sus 304) blades to resist rust and for longer life.
- Permits quick and accurate measuring of the most popular weld fillet sizes in inch and metric : 1/8" - 1" (3.2 - 25.4 mm).
- For inspection of concave or convex fillet welds.
- Blades are deburred for fine and smooth edges.
- All sizes and numerals are laser etched into the surface for clarity and easier reading.
- Set of seven blades comes in a handy, vinyl pocket case with snap lock.
- Measurements are possible either in inches or millimeters. General linear measurements up to 2" (50 mm).
- 10 per carton.

Part No. MG-8: Cam-type weld gage
(UPC No. 0 27719 01278 0)

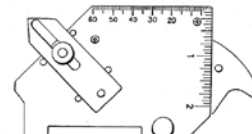
Part No. MG-11: Fillet weld gage
(UPC No. 0 27719 01279 7)

Cam-Type Weld Gauge



Part No. MG-8

MASTERGAGE™



Back View

Fillet Weld Gauge



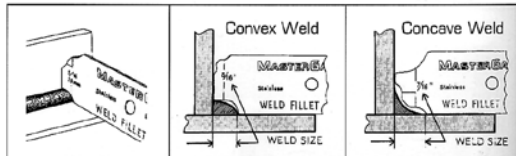
Part No. MG-11

Guide for Taking Measurements with MasterGage™

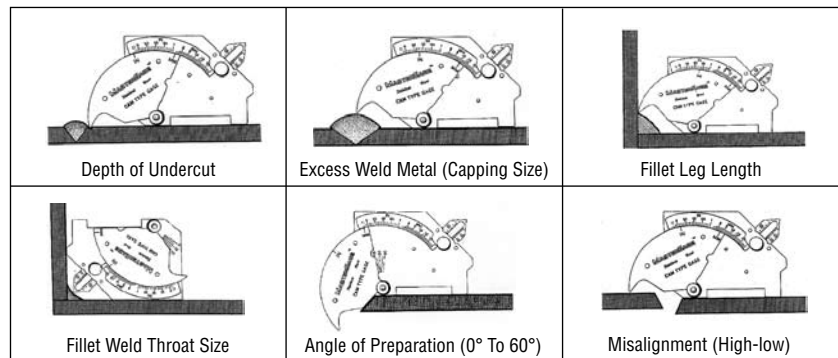
Important Note:

MasterGage™ welding gages are intended for general dimensional inspection of welded fabrications where close tolerances are not expected. They should not be compared in precision with gages used for measuring machined components and where highest degree of accuracy is required. Where extremely precise measurements are required, machine shop precision measuring instruments, preferably electronic or digital must be used.

MG-8



MG-11



Lightnin' Bug® Torch Lighter

- Tested to 30,000 strikes.
- Lightnin' Bug® is the hottest little torch lighter on the market. Its electric multi-spark discharge ignites all fuel gases quickly and easily.
- The amazing new energy generator used in Lightnin' Bug® never needs flints, batteries or charging.
- Easy and accurate ignition insured by multi-spark discharge: 5 times or more per squeeze.
- Durable: made of high quality materials, the Lightnin' Bug® withstands severe working conditions. Its zinc plated body resists rust and corrosion.
- Versatile: Lightnin' Bug® ignites almost all industrial fuel gases, such as oxy-acetylene, natural gas, propane, methane, MAPP®, propylene, etc.
- 10 per carton

Part No. 08-100 (UPC No. 0 27719 01319 0)

Lightnin' Bug® is registered trademark of Worldwide Welding, Inc.



Tip Cleaners / Tip Drill Kit / Tip Refacing Tool / Key Ring

Tip Cleaners

- Rust proof, stainless steel wire.
- File included in the case.
- Uniform ridges wipe and polish the orifice wall.
- Tangle free loops.
- Tapered-ends allow smooth easy entry without scratching.
- 10 per carton.

Standard, Deluxe

Set of 13 cleaners with file.

- Gage sizes: 6 through 26 for cleaning drill size: 77-49.

Part No. 0STC (UPC No. 27719 01714 3)



King Size

Set of 13 extra-long cleaners with file.

- Gage sizes: 6 through 26 for cleaning drill size: 77-49.

Part No. 0KTC (UPC No. 27719 01715 0)



Jumbo

Set of 9 cleaners with file.

- Gage sizes: 28 through 45 for cleaning drill size: 48-30.

Part No. 0JTC (UPC No. 27719 00198 2)



Master

Set of 22 cleaners combines all standard and jumbo sizes with file.

- Gage sizes: 6 through 45 for cleaning drill size: 77-30.

Part No. 0MTC (UPC No. 27719 01716 7)



Master Set (0MTC)

Gage	Wire Dia.	Ridge Dia.	Cleans Hole	
			Diameter (inch)	Drill Size
6	0.014	0.016	.018 - .020	77 - 76
7	0.018	0.020	.021 - .022	75 - 74
8	0.021	0.023	.024 - .026	73 - 71
10	0.024	0.026	.028 - .031	70 - 68
12	0.028	0.030	.032 - .035	67 - 65
14	0.032	0.034	.036 - .038	64 - 62
15	0.035	0.038	.039 - .040	61 - 60
16	0.037	0.040	.041 - .042	59 - 58
17	0.039	0.042	.043 - .046	57
18	0.042	0.044	.046 - .051	56
22	0.048	0.050	.052 - .055	55 - 54
24	0.055	0.057	.060 - .064	53 - 52
26	0.062	0.065	.067 - .073	51 - 49
28	0.069	0.075	.076 - .078	48 - 47
30	0.074	0.080	.081 - .082	46 - 45
32	0.078	0.085	.086 - .089	44 - 43
34	0.085	0.092	.094 - .096	42 - 41
37	0.090	0.096	.100 - .102	39 - 38
39	0.095	0.102	.104 - .106	37 - 36
42	0.102	0.108	.110 - .113	35 - 33
44	0.108	0.114	.116 - .120	32 - 31
45	0.102	0.126	.128 +	30 +

Tip Drill Kit – 12 Piece

- Most practical tip cleaning tool made.
- Cleans and trues most standard orifices.
- Contains most commonly used 12 drills (#52-74) in assorted sizes.
- Complete with built-in chuck and pocket clip.
- 10 per carton.

Part No. TDK-12 (UPC No. 0 27719 00122 7)



Tip Refacing Tool

- Revolutionary tool that eliminates scale, slag and orifice distortion from cutting tip faces.
- Just a few quick turns and the tipster restores the face of your tips to their clean, original condition.
- Holding the tip in the proper refacing position is easy with the tough, nylon shell.
- 10 per carton.

Part No. TR-38 (UPC No. 0 27719 00110 4)



Welder's Pin Key Ring

- Handy for welders and repairmen-keys are safe and secure.
- Attaches easily to a strap, belt loop or a handle.
- Made from high quality steel with high lustre brass finish.
- Resists rust and corrosion.
- Individually poly-bagged.

Part No. BK-110



Medical & MIG Cart / Spark Lighters

MIG Welding Cart

- 3 Shelves.
 - Caster wheels.
 - Weight capacity 125 lbs.
- Part No. WC-1228



Medical Cart

- Will hold 1 D or E cylinder.
- Part No. MC-1DE



Cadymate Cylinder Container

- Holds 10 lb. cylinders.
 - Storage space in winder.
- Part No. CM-1020



Handyguard

- Holds up to 10 lbs. of 12" or 14" electrodes.
 - Withstands temperatures up to 225° F (107° C).
- Part No. HG-14 - 14"
Part No. HG-18 - 18"
Part No. HG-36 - 36"



Single Flint and Triple Flint Spark Lighters

- Rounded-file spark lighters feature the largest hood and round file in the industry.
- Triple-flint lighter is a quality lighter made for the demand of the welding industry. It has a strong frame and with three large flints makes dependable ignition under all weather conditions.
- Enduring popularity is merited by dependable performance, ease of operation, lightweight and low-cost.



Part No. 2001



Part No. 2001F



Part No. 4501



Part No. 4501F

Part No.	UPC No. 0 27719	Description	Ctn/Case
2001	00002 2	Single flint spark lighter, bulk (boxed)	10/100
2001-C	00003 9	Single flint spark lighter, carded	10
2001F	00022 0	Replacement flints for single flint spark lighter, (5 pcs./Holder), 20 holders/box (bulk)	5/50
2001F-C	00023 7	Replacement flints for single flint spark lighter, (5 pcs./Holder), 1 holder/card	
2001F-C2	00024 4	Replacement flints for single flint spark lighter, (5 pcs./Holder), 2 holders/card	10
4501	00004 6	Triple flint spark lighter, bulk (boxed)	10/100
4501-C	00005 3	Triple flint spark lighter, carded	10
4501F	00025 1	Replacement flints for triple flint spark lighter, bulk (boxed)	100/1000
4501F-C	00052 7	Replacement flints for triple flint spark lighter, carded (1 pcs./Card)	10
4501F-C5	00053 4	Replacement flints for triple flint spark lighter, carded (5 pcs./Card)	10

DryRod® II Portable Ovens

- Even, continuous heat for 100% protection of electrodes from unpacking to use.
- Standard features include* an adjustable thermostat and 120/240 voltage selector switch.
- Digital thermometer* reads in °F or °C (optional).
- Powder coat finish creates a “Tough as Nails” exterior coating.
- Safety yellow color promotes high visibility from a distance.
- Rod elevator in Type 1 & 2 easily extracts welding rods from oven.
- Wheels on Type 5 & 15 provide easy transport.
- Handle retracts for storage.
- Indicator light signifies “power on” (optional on Type 1).
- Digital thermometer (optional) reads in °F or °C.

* Not available on Type 1



Part No. 1205500
(Type 1)

Part No. 1205510
(Type 2)

Part No. 1205521
(Type 5 with Handles)

Part No. 1205520
(Type 5)

Part No. 1205530
(Type 15)

Type	Part Number	Description	Capacity	Temperature	Listings	Chamber Size	Exterior Dimensions	Shipping Weight
Type 1	1205500	120V AC/DC at 75 watts	10 lb. / 5 kg	300° F	CUL	2-7/8 dia x 19-3/4 deep	7w x 9d x 24h	12 lb. 5.5 kg
	1205502	same as above with indicator light		300° F	CE			
	1205501	240V AC only at 75 watts	10 lb. / 5 kg	300° F	CUL			
	1205503	same as above with indicator light		300° F	CE			
Type 2	1205512	120/240V at 150 watts	20 lb. / 10 kg	100-300° F (39-149° C)	CUL, CE	3-7/8 dia x 19-3/4 deep	9w x 11d x 24h	17 lb. 7.7 kg
	1205510	same as above with digital thermometer						
Type 5 with wheels	1205522	120/240V at 300 watts	50 lb. / 25 kg	100-300° F (39-149° C)	CUL, CE	8 dia x 19-3/4 deep	16w x 15d x 27h	46 lb. 21 kg
	1205520	same as above with digital thermometer						
Type 5 with handles	1205523	120/240V at 300 watts	50 lb. / 25 kg	100-300° F (39-149° C)	CUL, CE	8 dia x 19-3/4 deep	12w x 12d x 23h	40 lb. 18 kg
	1205521	same as above with digital thermometer						
Type 15 with wheels	1205532	120/240V at 600 watts	150 lb. / 70 kg	100-300° F (39-149° C)	CUL, CE	14 dia x 19-3/4 deep	20w x 22d x 29h	81 lb. 36.8 kg
	1205530	same as above with digital thermometer						

Safetube®

- Protects welding electrodes.
- Capacity:
14" - holds up to 10 lbs. (4.5 kg) of 14" (35 cm) welding electrodes.
18" - holds up to 15 lbs. (6.8 kg) of 18" (450 mm) welding electrodes.
- Temperature contents should not exceed a maximum temperature of 250° F (121° C).
- Protection from dirt, water, dust, grease, etc.
- Optional carrying strap that allows for convenient carrying of Safetube® by the handle or over the shoulder (sold separately).



Part No. 1205450

Part No.	Description
1205440	14" Safetube®
1205459	18" Safetube®
1205450	Carrying strap

Shop Electrode Ovens - Bench / Floor

300 and 900 DryRod® Series Features

Circular shape promotes even heat distribution. Type 300 & 900 ovens with adjustable thermostatic control provide variable temperature settings from 100 to 550° F (38 - 288° C). Single action door latch opens easily, closes positively, and can be padlocked. Optional thermometer provides temperature indication at a glance. Glass fiber batt insulation for minimum heat loss. Aluminized steel interior prevents corrosion. Oven shelves can be removed for the drying of wire coils and the pre-heat and post-heat of welded parts. Indicator light signifies a "heat on" condition.

Type 300

300 / 120 - 120V AC
300 / 240/ 480 - 240/480V AC
add ST for stacking provision



Part No.	Description
1200200	300/120V AC oven
1200202	300ST/120V AC oven-stackable
1200100	300/240-480V AC oven
1200102	300ST/240-480V AC oven-stackable
1205400	300/240V AC oven
1205401	300ST/240V AC oven-stackable

Specifications

Electrode Capacity	350 lbs. (159 kg) - 18" (45.7 cm)
Size Electrode Handled	10" to 18" (25.4 to 45.7 cm), also accommodates wire rolls
Heating Element (2)	1000 watts total
Voltage	120V AC only or 240 /480V AC operates on single phase 50 or 60 cycles
Grounded Heavy Duty Cord	10' (3.0 m) three wire cord - 120V and 240V models with cord and grounding plug - 240/480V model is supplied with cord (no plug)
Temperature Range & Control	100° to 550° F (38° to 288° C) +/- 25° F (14° C) adjustable thermostat control with indicator light
Insulation	2" (5 cm) glass fiber batt
Inside Diameter	18" dia. x 19" deep (45.7 cm x 48.2 cm)
Shelved Compartments	6 (removable for wire rolls)
Outside Dimensions	29-1/2" x 22-1/2" x 22-1/2" (74.9 x 57.2 x 57.2 cm)
Net Weight	90 lbs. (41 kg)
Shipping Weight & Dimensions	115 lbs. (52 kg) 26" x 33" x 27" (66 x 83.8 x 68.6 cm)

Type 900

Type 900 - 240 / 480V AC



Part No.	Description
1200300	900/240-480V AC Oven

Specifications

Electrode Capacity	1,100 lbs. (500 kg) - 18" (45.7 cm)
Size Electrode Handled	10" to 24" (25.4 to 60.9 cm), also accommodates wire rolls
Heating Element (2)	2400 watts total
Voltage	240 /480V AC only. Operates on single phase 50 or 60 cycles
Grounded Heavy Duty Cord	10' (3.0 m) three wire cord - less plug, permanently attached
Temperature Range & Control	100° to 550° F (38° to 288° C) +/- 25° F (14° C) adjustable thermostat control with indicator light
Insulation	2" (5 cm) glass fiber batt
Inside Diameter	31" dia. x 21-1/2" deep (78.7 cm x 64.7 cm)
Shelved Compartments	10 (removable for wire rolls)
Outside Dimensions	35-1/2" x 35-1/2" x 35-1/2" (90.2 x 90.2 x 90.2 cm)
Net Weight	228 lbs. (103 kg)
Shipping Weight & Dimensions	327 lbs. (148 kg) 43" x 43" x 45" (109.2 x 109.2 x 114.3 cm)

Model ST - Stacking Provision for Type 300 Ovens- (Accessory)

Stacking permits two Type 300 ovens to occupy the same floor space as one. Stacking lugs on lower oven bolt to feet of any Type 300 oven, whether in the field or newly ordered.

- Field installed.

Capacity: 350 lbs. (159 kg)

Temperature Range: 100° to 550° F (38° to 288° C) +/- 25° F (14° C)

Thermostat: adjustable thermostat control with indicator light.

Shipping Weight: 115 lbs. (41 kg)



Part No.	Stacking Version of:
1200202	1200200
1200102	1200100
1205401	1205400

Thermometer Kit for Type 300, 900, & dryWIRE® Ovens (Accessory)

Kit mounts in door of oven. Easily installed in the field. Factory installation available with original order. Temperature range 100° to 500° F (38° to 260° C).

Certified accurate to +/- 10° F (12° C).

Part No. 1250300

Part No. 1250301*

*Drop ship only; item is factory installed.



400BT

- Full indicating PID temperature controller.
- High temperature limit device prevents an overheat condition.
- High capacity centrifugal, recirculating blower with balanced airflow / heat inputs provides even heat throughout chamber (blower is OSHA safe).
- Fresh air intake with adjustable exhaust.
- Vertical airflow.
- Spring loaded door latch, explosion-venting type.
- Resilient door gasket prevents heat loss.
- Structurally reinforced 14, 16 and 18 gauge steel construction.
- Aluminized steel interior chamber.
- Baked enamel, chemical-resistant exterior coating.

Shipped completely assembled following thorough factory testing including:

- Air circulation adjustment.
- Temperature control adjustment.
- Operation at maximum temperature.

Specifications

Electrode Capacity	18" (45.7 cm) max. - 400 lbs. (181 kg)
Temperature Range	100° to 800° F (38° - 427° C)
Chamber Size / Volume	21-1/2" (54.6 cm) dia. x 20" (54.6 cm) deep / 3.7 cu. ft. (.104 m ³)
Shelves	7 metal compartments
Exterior (Welded)	#16 gauge
Aluminized Steel Chamber	#18 gauge
Heating Elements	6.0 kw - sheathed elements
Insulation	5" (12.7 cm) avg., thermafiber
Voltage - Three Phase only	3/60/240 or 3/60/480V AC (convertible)
Wiring	Wired for 480V (factory) - convertible to 240V in field
Thermostat Control	Electronic digital controller and high temperature limit device
Recirculating System	Calculated, 150 CFM (4.2 m ³ / m)
Centrifugal Blower Motor	1/2 H.P.
Exterior Dimensions	31-1/2" x 43-1/2" d x 43" h (90.1 w x 110.5 d x 109.2 h cm)
Net Weight	430 lbs. (195 kg)
Shipping Weight (approx.) & Dimensions	580 lbs. (263 kg) 43" w x 49" d x 51" h (109.2 w x 124.5 d x 129.5 h cm)



Part No.	Description
1204800	400BT/2-NM rebake oven 3/60/480V AC convertible to 3/60/240V

dryWIRE®

- Holds flux cored wire in a moisture free environment, greatly reducing the potential for moisture pick-up and hydrogen induced cracking.
- TIG rack on inside of door holds 50 lbs. (22.7 kg) of 3/6" filler metal.
- Adjustable shelving accommodates different spool sizes for a variety of configurations and applications.
- Thermostat located on oven front, easy-to-read, with power indicating pilot light.
- Temperature range allows for storage reconditioning, pre & post heat, drying, baking and aging applications.
- Optional thermometer provides temperature indication at a glance.

Specifications

Capacity, Spools/Coils	Up to 24-12" spools or 16-16" coils
Interior Dimension (W x D x H)	35" x 21" x 47" (89 x 53 x 119 cm)
Exterior Dimension (W x D x H)	45" x 29" x 55" (114 x 74 x 140 cm)
Temperature Range	100° F - 550° F (38° C - 288° C)
Thermostat	Dial adjustable
Insulation	2" fiber glass batt
Voltage	240V / 480V AC only (50-60 cycle)
Wattage	2500 watts
New Weight	450 lbs. (204.1 kg)
Shipping Weight	520 lbs. (235.6 kg)



Part No.	Description
1205430	dryWIRE® 240/480V AC

Flux Holding and Rebaking Ovens

DryRod® Flux Oven Features

- Secure, moisture-proof storage of flux from bag to use.
- Adjustable thermostatic control.



Type 100FX

- Mounted on wheeled dolly for easy movement in shop or field.
- Flux is held in customer-furnished canisters or pails that can be removed for optional heating of three 60 lbs. (27.2 kg) flux-cored wire rolls.

Specifications

Flux Capacity	100 lbs. (45.4 kg) with canisters 50 lbs. (22.7 kg) with (1) 5 gal. (18.9 L) pail (3) 60 lb. (27.2 kg) coils of flux-cored wire, or 150 lbs. bulk-loaded flux
Heating Elements	1,000 watt total (ring type)
Voltage	120V, AC, single phase
Input Connection	10 ft. (3 m) grounded heavy-duty cord with grounding cap
Temperature Range	100° to 350° F (38° to 177° C)
Thermostat	Adjustable control with indicator light, 100° to 550° F (38° to 288° C), +/- 25° F (14° C)
Insulation	2" (5 cm) glass fiber batt
Chamber	18" (45.7 cm) dia. x 16" dia (40.6 cm), 2.5 cu. ft. (.007 m ³)
Outside Dimensions	23" w x 27" d x 37" h (58.4 x 68.5 x 94 cm)
Loading Method	Removable weatherproof cover, load by hand
Discharge	Removable weatherproof cover, Unload by hand
Net Weight	175 lbs. (80 kg)
Shipping Weight & Dimensions	Approx. 200 lbs. (90.7 kg) 30" x 30" x 44" (76.2 x 76.2 x 111.8 cm)



Part No.	Description
1201902	100FX 120V AC Flux Oven
1201906	100FX 240V AC Flux Oven

Type 750HT

Specifications

Capacity	680 lbs. (308 kg) granulated flux (approx.)
Heating Elements	6.0 kw (tubular type)
Voltage	240 or 480 volts (specify one), 50 or 60 cycles AC, three phase
Input Connection	Terminal block for field wiring
Temperature Range	100° to 800° F (38° to 427° C)
Thermostat Control	Electronic digital controller and high temperature limit device
Insulation	4" (10.2 cm) glass fiber batt
Chamber	8.6 cu. ft. (0.24 cu. m) hopper type
Outside Dimensions	51" w x 30" d x 52" h (129.5 x 76.2 x 132 cm)
Loading Method	Hinged top cover - insulated and vented - load by hand
Discharge	Sloping bottom - gravity flow thru 3" dia. opening with dispensing valve
Net Weight	590 lbs. (268 kg)
Shipping Weight & Dimensions	675 lbs. (306 kg) - 56" x 33" x 61" (142.2 x 83.8 x 154.9 cm)



Part No.	Description
1201801	750HT 480V AC Flux Oven
1201802	750HT 240V AC Flux Oven

Type 950FX

- Sloping bottom for gravity flow dispensing through gate valve at bottom.
- Secure, moisture- proof storage
- Top-loading
- Adjustable thermostatic control

Specifications

Flux Capacity	600 lbs. (272 kg) granulated flux
Heating Elements	3.0 kw (tubular type)
Voltage	240V or 480V (specify one), 50 or 60 cycles, AC, three phase
Input Connection	Terminal block for field wiring
Temperature Range	100° to 450° F (38° to 232° C)
Thermostat	Adjustable control with indicator light, 100° to 550° F (38° to 288° C), +/- 25° F (14° C)
Insulation	2" (5 cm) glass fiber batt
Chamber	6-1/2 cu. ft. (0.18 m ³) hopper type
Outside Dimensions	39-1/2" dia. x 35" h (100.3 x 88.9 cm)
Loading Method	Removable insulated top cover - load by hand
Discharge	Sloping bottom - gravity flow thru 3" (7.6 cm) dia. opening with dispensing valve
Net Weight	325 lbs. (147 kg)
Shipping Weight & Dimensions	375 lbs (170 kg) 43" x 43" x 45" (109.2 x 109.2 x 114.3 cm)



Part No.	Description
1200604	950FX 480V AC Flux Oven
1200605	950FX 240V AC Flux Oven



Hose Reels

General Industrial Reels

The ReelTek spring driven hose reel is ideal for general industrial applications. Base and guide arm are made of heavy-gauge steel stampings with reinforced ribs to increase structural strength. The composite spool contains the drive spring and reduces the total number of required parts.

- Adjustable guide arm locates to seven positions providing multiple mounting positions.
- Easy to mount slotted mounting holes for safer and easier installation.
- Oversized main shaft increases support.


RT6500LP

Part No. (w/ hose)	Hose Length	PSI	Hose I.D.	Hose O.D.	(M)NPTF Outlet	(F)NPTF Inlet	Dimensions			Weight (lbs.)
							Height	Length	Width	
RT4500LP	50'	300	1/4"	.500"	1/4	3/8	17.875"	16.5"	5.75"	25
RT6350LP	35'	300	3/8"	.640"	1/4	3/8	17.875"	16.5"	5.75"	23
RT6500LP	50'	300	3/8"	.640"	1/4	1/2	17.875"	16.5"	6.25"	29
RT8500LP	50'	300	1/2"	.781"	1/2	1/2	17.875"	16.5"	6.25"	35

Premium Industrial Reels

Reelcraft's spring driven series 4000 and 5000 reels are all steel construction and compact for a wide range of applications with critical space requirements. The Quiet Speed latch mechanism offers quiet operation combined with latch cam technology insuring longer latching life and trouble-free performance.

- Corrosion resistant powder coated paint for long service life.
- Easily mounts on wall, floor, ceiling or truck.
- Permanently lubricated bearings and swivels extend service life.


46250LP

Part No. (w/ hose)	Hose Length	PSI	Hose I.D.	Hose O.D.	(M)NPTF Outlet	(F)NPTF Inlet	Dimensions			Weight (lbs.)
							Height	Length	Width	
Low Pressure Air / Water Reels										
44200LP	20'	300	1/4"	.500"	1/4	3/8	12.875"	12.625"	5.375"	17
44350LP	35'	300	1/4"	.500"	1/4	3/8	12.875"	12.625"	5.375"	20
54500LP	50'	300	1/4"	.500"	1/4	3/8	14.5"	13.5"	6"	26
46250LP	25'	300	3/8"	.640"	1/4	3/8	12.875"	12.625"	5.375"	22
56350LP	35'	300	3/8"	.640"	1/4	3/8	14.5"	13.5"	6"	25
56500LP	50'	300	3/8"	.640"	1/4	3/8	14.5"	13.5"	6"	36
A58250LP	25'	300	1/2"	.781"	3/8	3/8	17.5"	16.5"	6"	29
A58500LP	50'	300	1/2"	.781"	1/2	3/8	17.5"	16.5"	6"	44
Medium Pressure Oil Reels										
56300MP	30'	2250	3/8"	.780"	3/8	3/8	14.5"	13.5"	6"	30
High Pressure Grease Reels										
54300HP	30'	5000	1/4"	.590"	1/4	1/4	14.5"	13.5"	17.5"	30


A58500LP

Heavy Duty Industrial Reels

Reelcraft's spring driven series 7000 and 80000 reels are very robust and ideal for the most demanding applications. These reels incorporate all steel construction and a baked-on powder coat finish to produce a rugged corrosion resistant product suitable for a wide variety of heavy duty applications.

- Guide arm is field adjustable for wall, ceiling or truck mounting positions.
- Engineered forms and ribs provide superior support.

Part No. (w/ hose)	Hose Length	PSI	Hose I.D.	Hose O.D.	(M)NPTF Outlet	(F)NPTF Inlet	Dimensions			Weight (lbs.)
							Height	Length	Width	
Low Pressure Air / Water Reels										
76000LP*	70'	500	3/8"	.688"	N/A	1/2	20.25"	19"	7"	42
76500LP	50'	300	3/8"	.688"	1/4	1/2	20.25"	19"	7"	47
76700LP	70'	300	3/8"	.688"	1/4	1/2	20.25"	19"	7"	50
78500LP	50'	300	1/2"	.844"	3/8	1/2	20.25"	19"	7"	51
F79250LP§	25'	50	3/4"	1.188"	3/4	3/4	20.25"	19"	7"	53
811000LP	100'	300	3/8"	.688"	3/8	1/2	25.375"	24"	11.375"	92
821000LP	100'	300	1/2"	.845"	1/2	1/2	25.375"	24"	11.375"	101
830500LP	50'	250	3/4"	1.188"	3/4	3/4	25.375"	24"	11.375"	88
D830750LP	75'	250	3/4"	1.188"	3/4	3/4	25.375"	24"	11.375"	112
Medium Pressure Oil Reels										
820000MP*	75'	1500	1/2"	.815"	N/A	1/2	25.375"	24"	11.375"	79


78500LP

§Supplied with fuel grade hose. *Hose not included.

Power and Light Cord Reels

Reelcraft's spring driven power and light cord reels offer many different styles of outlets and lamps. Easy to mount and structurally strong, the power cord and light reels have a robotically welded heavy gauge steel frame that attaches to most structurally sound surfaces. Multiple guide arm positions allows for versatile uses and easier field adjustment. The drive mechanism is enclosed for protection against the environment. Fewer components increase the service life of the reel and improve performance.

- All models UL listed at 115 volt 60 HZ single phase; reels without cord suitable for 220 volt
- Incandescent bulb 75 watt maximum.
- For indoor non-weather tight applications only.

Part No. (w/ cord)	Accessory	Cord Specifications			Volts	AMPS	Weight (lbs.)
		AWG	# Cond.	Length			
L40501622	Fluorescent	16	2	50'	115	0.3	24
L40501631	Incandescent	16	3	50'	115	13	22
L45451233	Single receptacle	12	3	45'	115	15	28
L45451237	Duplex outlet box w/GFCI(F)	12	3	45'	115	20	29
L55501233	Single receptacle	12	3	50'	115	15	47
L55501237	Duplex outlet box w/GFCI(F)	12	3	50'	115	20	47



Spring Driven Composite Reels

Reelcraft's S series reels are made of corrosion proof, tough polypropylene, which extensive tests have shown to be highly resistant to the majority of acids and alkalis. This design both protects the hose and allows easy cleaning of both hose and reel.

- Economical, durable and lightweight.
- Standard pivot bracket so the reel can swing from side to side.
- Corrosion resistant and durable outer case is UV stabilized and impact resistant.

Part No. (w/ hose)	Hose Length	PSI	Hose I.D.	Hose O.D.	(M)NPTF Outlet	(F)NPTF Inlet	Dimensions			Weight (lbs.)
							Height	Length	Width	
Air & Water Reels: Working temperature 150° F (65° C).										
SGA36500LP	50'	232	3/8"	.621"	3/8	3/8	19"	22.75"	9.5"	23
SGA36650LP	66'	232	3/8"	.621"	3/8	3/8	19"	22.75"	9.5"	27
SGA38500LP	50'	232	1/2"	.781"	1/2	1/2	19"	22.75"	9.5"	27
Water Reel: Garden-style hose end. Working temperature 150° F (65° C).										
SWA38500LP	50'	145	1/2"	.750"	3/4 NH	1/2	19"	22.75"	9.5"	27
Hot Water Wash Reel: Working temperature 185° F (85° C). Working pressure is related to working temperature.										
SHA38500LP	50'	232	1/2"	.781"	1/2	1/2	19"	22.75"	9.5"	27
Chemical Delivery Reel										
SCA38500LP	50'	232	1/2"	.781"	1/2	1/2	19"	22.75"	9.5"	27
Oxygen/Acetylene Reels: Working temperature 150° F (65° C).										
STW34500LP	50'	300	1/4"	.530"	9/8"18(F)LH-RH	9/8"18(F)LH-RH	19"	22.75"	9.5"	27



Hand Crank Reels

Reelcraft's series 30000 reels feature vibration-proof, self-locking fasteners to ensure assembly integrity. These reels are designed for rugged, heavy duty applications requiring long lengths of hose and large storage capacity. The series H is an economical reel designed for medium duty applications requiring long lengths of hose.

- All bolted construction, no welds.
- Corrosion resistant powder coated paint.

Part No. (w/o hose)	Hose Capacity	PSI	Hose I.D.	Hose O.D.	(F)NPTF Inlet	Dimensions			Weight (lbs.)
						Height	Length	Width	
CA32112L	200'	1000	1/2"	.845"	1/2	20.25"	17.75"	25"	49
CA33112L	100'	1000	1"	1.188"	3/4	20.25"	17.75"	25"	42
CA37118L	100'	300	3/4"	1.380"	1	20.25"	17.75"	34"	58
H19000	100'	1000	3/4"	1.118"	3/4	14"	20"	18.25"	33
H29000	150'	1000	3/4"	1.118"	3/4	19"	20"	24.25"	41



Hose Reels

Spring Driven Gas Welding Reels

Reelcraft's spring driven oxygen/acetylene reels have "R" grade hose and seals and can be used with oxygen/acetylene. Oxygen line and gas line have separate input connections for added safety. Twin line hoses meet R.M.A. and C.G.A. Type V.D. grade R specifications for flame resistance and burst strength. "T" grade reels are used for Mapp, propane, natural and other fuel gases plus oxygen/acetylene.

- Designed to increase safety in the work area with a resulting increase in productivity and efficiency.
- Full flow shaft swivels.
- Double-sealed, "O" rings prevent leakage.

Part No. (w/ hose)	Hose Length	PSI	Hose I.D.	Hose O.D.	Dimensions			Weight (lbs.)
					Height	Length	Width	
Oxygen/Acetylene Reels								
TW5400LP*	25'	200	1/4"	.530"	14.5"	13.75"	6"	20
TW5425LP	25'	200	1/4"	.530"	14.5"	13.75"	6"	26
STW3450LP	50'	300	1/4"	.530"	19"	22.75"	9.5"	27
TW7400LP*	60'	200	1/4"	.530"	20.25"	19"	7"	43
TW7450LP	50'	200	1/4"	.530"	20.25"	19"	7"	53
TW7460LP	60'	200	1/4"	.530"	20.25"	19"	7"	55
BA36106L*§	125'	200	1/4"	.530"	20.625"	17.75"	16.625"	50
BA36112L*§	250'	200	1/4"	.530"	20.625"	17.75"	22.625"	57
BA36112LT*§	250'	200	1/4"	.530"	20.625"	17.75"	22.625"	57
Welding Gas (T-Grade) Reels								
TW5400LPT*	25'	200	1/4"	.530"	14.5"	13.75"	6"	20
TW5425LPT	50'	200	1/4"	.530"	14.5"	13.75"	6"	26
TW7400LPT*	60'	200	1/4"	.530"	20.25"	19"	7"	43
TW7450LPT	50'	200	1/4"	.530"	20.25"	19"	7"	54
TW7460LPT	60'	200	1/4"	.530"	20.25"	19"	7"	56
TW84000LPT*	100'	200	1/4"	.530"	25.375"	24"	13"	80
TW84100LPT	100'	200	1/4"	.530"	25.375"	24"	13"	105
TW86000LPT*	75'	200	1/4"	.530"	25.375"	24"	13"	86
TW86075LPT	75'	200	3/8"	.625"	25.375"	24"	13"	99

*Hose not included. §Hand crank reels.

Acetylene and fuel gas (red) inlet 1/4" FPT / oxygen (green) inlet 1/4" FPT. TW84000 and TW86000 have B size 9/16" - 18UNF male welding inlets.

Part No.	For Reel Series	Hose I.D.	Length	(M)NPTF (fittings)	PSI	Weight (lbs.)
S601031-2	TW5000T / TW7000T	1/4"	2"	female both ends	200	0.70



STW3450LP



TW84100LPT



TW5425LP



S601031-2

Cable Welding Reels

Reelcraft's series CEA and WC are designed to increase safety in the work area with a resulting increase in efficiency and productivity. Welding cable reels store work lead or electrode lead, up to #2/0, safely and effectively when not in use. They have a continuous current path through a live 400 AMP, 90VDC (maximum) rated enclosed slip ring.

- Designed to increase safety in the work area with a resulting increase in productivity and efficiency.

Part No. (w/o cable)	Reel Capacity				Dimensions			Weight (lbs.)
	#2	#1	#1/0	#2/0	Height	Length	Width	
Hand Crank Oxygen/Acetylene Reels								
CEA30006 §	300'	250'	200'	150'	20.25"	19.375"	21"	49
CEA30012 §	500'	500'	400'	300'	20.25"	19.375"	27"	56
Spring Driven Oxygen/Acetylene Reels								
WC7000	-	50'	50'	50'	20.25"	19"	14.75"	49
WC80001	-	75'	75'	75'	25.375"	24"	16"	80
WC80002	-	100'	-	-	25.375"	24"	16"	81



CEA30006

Safe-T-Reels

Reelcraft's hand crank Safe-T-Reel Series is ideal for applications where space, weight and flexibility are key, these reels are designed for manual winding of air/water/fuel gases hose, electric cord and welding cable. Versatile in function, select configurations to suit specific needs. Safe-T-Reels offer trouble-free management of large capacities of hose or cord.

Ideal for demanding mobile or stationary applications.

- High rigidity due to one inch shaft with tapered roller bearings.
- Lightweight construction to reduce unnecessary loading.
- Flexible configurations: dual reels offer many combination options.
- Improved performance with high flow swivels.

Model # (w/o cable)	Reel Capacity	AMP	Dimensions			Weight (lbs.)
			Height	Length	Width	
Single Welding Cable: 600 V						
T14600	200'	300	19"	18"	16.25"	22
Dual Side-By-Side Welding Cable (2): 600 V						
T24620	200'	300	19"	18"	29"	50
Dual Stacked Welding Cable (2): 600 V						
T24640	200'	300	38"	18"	16.25"	59



T24620



T24640

Part No (w/o hose)	Hose Length	PSI	Hose I.D.	Hose O.D.	Dimensions			Weight (lbs.)
					Height	Length	Width	
Single Spool Air/Water Reel: Hose not included.								
T111508	150'	300	1/2"	.844"	19"	18"	15.75"	17.5
Single Oxygen/Acetylene T-Grade Reels: Hose not included.								
T122504	150'	200	1/4"	.530"	19"	18"	16.125"	19
	100'	200	1/4"	.530"	19"	18"	16.125"	44
T122606	100'	200	3/8"	.625"	19"	18"	16.125"	19

* Includes 1/4" x 100' T-Grade twin hose.

Adjustable Bumper Stops

Part No.	For Reel Series	Hose I.D.	Hose O.D.	Dimensions		Weight (lbs.)
				Diameter	Width	
600521	TH80000 / TW80000 / TH7000	3/8" twin	.680" twin	3.5"	2"	0.45
1HR1004-3	7000 / 80000 / RT800 / RT800 / 5000 / D80000	3/8"	.625" - .749"	3"	1.25"	0.24
2HR1004-3	5000 / A5005 / 7000 / 80000 / RT800	1/2" or 3/8"	.750" - .1.05"	3"	1.25"	0.23
8HR1004-3	TW5000 / TW7000 / TW80000 / TWD80000	1/4" twin	.530" twin	3"	1.25"	0.24



2HR1004-3

600521

Wall-Mounted Swing Bracket & 340° Pivot Base

Reelcraft's wall-mounted swing bracket (#600626) will pivot approximately 180° (#600980 approximately 140°). All-steel construction with a durable, baked-on powder coat finish.

Reelcraft's 340° pivot base aligns the reel to the direction of hose or cord run. May be mounted upright or hanging.

Part No.	Description	For Reel Series	Weight (lbs.)
600608	340° pivot base	RT / 4000 / 5000 / 5005 / 7000	10
600801	340° pivot base	80000 / D80000 / 30006	10
600801-12	340° pivot base	30012	10
600980	Wall-mounted swing bracket	80000 / D80000	6
600626	Wall-mounted swing bracket	RT / 4000 / 5000 / 5005 / 7000	6



600626



600608

Rod Holders / Alignment Clamps

Rod Guard® Canisters

- Rod Guard® canisters and accessories provide great storage and inventory control for all your welding electrodes, rods and filler metals. Every one of them is made in America and built to last.
- Each Rod Guard® canister is certified chloride-free and features a threaded cap with long-lasting neoprene seal to keep electrodes airtight, preventing them from being contaminated with atmospheric moisture.
- Rod Guard® canisters are constructed of high-impact polyethylene, which protects electrodes from damage.



36" (90 cm) Canister + 1 Meter Length

Specifically designed for 36" flux-coated bronze or brazing rod and tig filler-metals. Has 0.1" nominal wall thickness for added strength and durability. When long cap is removed, rod tips are exposed, allowing easy accessibility to canister's contents. Built with the same commitment to quality as the original Rod Guard®, with the form, fit and function you've come to expect.

Part No.	Description	Color
RG-300-12	36"	Blue
LE-300-12	36"	Red
RG-400-12	1m	Blue

14" (35 cm) Canister

Holds up to 10 lbs. of 12" or 14" electrodes. Withstands 225° F.

Part No.	Description	Color
RG-100-24	14" (24/cs)	Blue
RG-100-48	14" (48/cs)	Blue
LE-100-24	14" (24/cs)	Red
SM-100-48	14" (48/cs)	Black



18" (45 cm) Canister

Designed specifically for 18" electrodes. Withstands 225° F. Available in blue.

Part No. RG-200-24- 18" (24/cs)
Part No. RG-200-48- 18" (48/cs)



Part No. RG-100-12HT

High-Temperature Canister

Steel-lined and high-temperature resistant to 450° F. Available in blue; 12-pack cartons only*.

Part No. RG-100-12HT- 14"
Part No. RG-200-12HT- 18"

Accessories Storage Rack

Perfect for organizing up to three canisters at the job site or workstation. Accommodates 14" or 18" electrodes. (Canisters sold separately.)
Part No. RG-101



Miscellaneous

Part No.	Description
RG-100S	Replacement seals for 14" + 18" Canister
RG-100A	Replacement Cap for 14" + 18" Canister
RG-300S	Replacement seals for 36" Canister

SUMNER

SUMNER MANUFACTURING COMPANY INC.

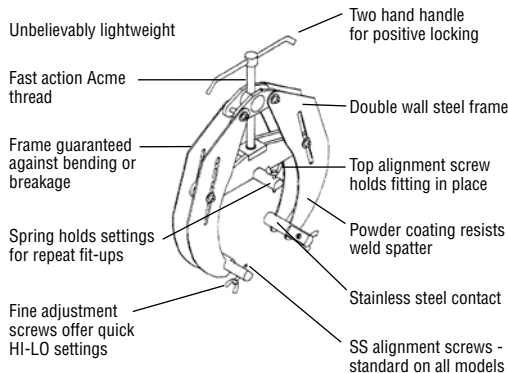
Ultra Clamps

The Ultra Clamp's three-point precision alignment assures the most accurate fit-up of 1" through 12" pipe. The main body of this versatile alignment tool is double-walled steel plate and guaranteed over the life of the product. Its simple, lightweight design has quick action and is ideal for all field and shop fit up use. The Sumner Ultra Clamp covers a wide range of pipe sizes that would normally take four separate tools.

Part No.	Pipe Size	Weight	
		Lbs.	Kg.
781130	1-2.5"	3.3	1.5
781150	2-6"	8.7	4.0
781170	5-12"	15.1	6.7



Part No. 781170



Clamp Champ

Standard Clamp Champ Kit for 1-10" pipe complete with 3" jack bars, leveling and supporting device and carrying case.

Part No. 781000- ST-110

Clamp Champ Model for 1-10" stainless steel pipe comes complete with stainless steel chain, 3 stainless steel jack bars, leveling and supporting device and carrying case.

Part No. 780999- ST-210

Standard Clamp Champ Kit for 1-16" pipe complete with 5 jack bars, leveling and supporting device and carrying case.

Part No. 780998- ST-116



Part No. 781000

Part No.	Description	Weight	
		Lbs.	Kg.
781000	ST-110 Standard	22	10
780999	ST-210 Stainless	22	10
780998	ST-116 Standard	27	12.3

Magnesium

Magnesium alloys are in 3 groups. They are: (1) aluminum-zinc-magnesium, (2) aluminum-magnesium and (3) manganese-magnesium. Since magnesium will absorb a number of harmful ingredients and oxidize rapidly when subjected to welding heat, TIG welding in an inert gas atmosphere is distinctly advantageous. The welding of magnesium is similar, in many respects, to the welding of aluminum. Magnesium was one of the first metals to be welded commercially by the inert-gas nonconsumable process (TIG).

Aluminum

The use of TIG welding for aluminum has many advantages for both manual and automatic processes. Filler metal can be either wire or rod and should be compatible with the base alloy. Filler metal must be dry, free of oxides, grease or other foreign matter. If filler metal becomes damp, heat for 2 hours at 250° F before using. Although AC high-frequency stabilized current is recommended, DC reverse polarity has been successfully used for thicknesses up to 3/32".

Stainless Steel

In TIG welding of stainless steel, welding rods having the AWS-ASTM prefixes of E or ER can be used as filler rods. However, only bare uncoated rods should be used. Stainless steel can be welded using AC high frequency stabilized current, however, for DC straight polarity current recommendations must be increased 25%. Light gauge metal less than 1/16" thick should always be welded with DC straight polarity using argon gas. Follow the normal precautions for welding stainless such as: clean surfaces; dry electrodes; use only stainless steel tools and brushes; carefully remove soap from welds after pressure testing; keep stainless from coming into contact with other metals.

Deoxidized Copper

Where extensive welding is to be done, the use of deoxidized (oxygen-free) copper is preferred over electrolytic tough pitch copper. Although TIG welding has been used occasionally to weld zinc-bearing copper alloys, such as brass and commercial bronzes, it is not recommended because the shielding gas does not suppress the vaporization of zinc. For the same reason, zinc bearing filler rods should not be used. There is some preference of helium for the inert atmosphere in welding thicknesses above 1/8" because of the improved weld metal fluidity. Preheating recommendations should be followed. Naturally, work must be free of oxides, dirt, oil and moisture.

Titanium

Small amounts of impurities, particularly oxygen and nitrogen, cause embrittlement of molten or hot titanium. The molten weld metal in the heat-affected zones must be shielded by a protective blanket of inert gases. Titanium requires a strong, positive pressure of helium as a backup on the root side of the weld, as well as a long, trailing, protective tail of inert gas to protect the metal while cooling.

Puretung® (AWS ASTM: EWP)

Color Code: Green

Pure tungsten welding electrodes. They are good general purpose electrodes for less critical operations in which less expensive electrodes are desired. They give good results on a variety of metals under many different operating conditions.

1% Thoria (AWS ASTM: EWTh-1)

Color Code: Yellow

Thorium dioxide doped tungsten electrodes containing 0.8% to 1.2% ThO₂. They provide easy arc starting, stable arc, good current capacity, and resistance to weld pool contamination.

Lanthana One Point Five™ (AWS ASTM: EWLa-1.5)

Color Code: Black

The Sylvania designation for lanthanum oxide doped tungsten electrodes containing 1.2% to 1.6% La₂O₃ by weight. These electrodes can be used as a nonradioactive substitute for 2% thoria doped tungsten. They will provide very similar performance with a minimum amount of adjustment of operation conditions required.

2% Ceria (AWS ASTM: EWCe-2)

Color Code: Orange

Cerium dioxide doped tungsten electrodes containing 1.8% to 2.2% CeO₂. Can be used instead of 2% thoria in many applications. They provide easy arc starting, good arc stability, long life and high current carrying capacity.

2% Thoria (AWS ASTM: EWTh-2)

Color Code: Red

Thorium dioxide doped tungsten electrodes containing 1.8% to 2.2% ThO₂. They have a longer life than 1% Thoria while providing easy arc starting, stable arc, higher current capacity and increased resistance to weld pool contamination.

Zirtung® (AWS ASTM: EWZr)

Color Code: Brown

Zirconium dioxide doped tungsten electrodes containing less than 1% ZrO₂. They have longer operation for certain types of welding with AC high-frequency stabilized current.



Electrodes	Ground Part No.	Dia. (inches)	Length (inches)
Pure	0407G	.040	7
	1167G	1/16	7
	3327G	3/32	7
	187G	1/8	7
1.5% Lanthanated	0407GL	.040	7
	1167GL	1/16	7
	3327GL	3/32	7
	187GL	1/8	7
Ceriated	0407GC2	.040	7
	1167GC2	1/16	7
	3327GC2	3/32	7
	187GC2	1/8	7
2% Thoriated	0407GT2	.040	7
	1167GT2	1/16	7
	3327GT2	3/32	7
	187GT2	1/8	7
Zirconiated	0407GZ	.040	7
	1167GZ	1/16	7
	3327GZ	3/32	7
	187GZ	1/8	7
	5327GZ	5/32	7

All tungsten electrodes are packaged 10 pieces per box.

ANSI AWS A5.12-92 Classification System

Tungsten electrodes are classified on the basis of their chemical compositions.

E: stands for an electrode

W: stands for the chemical symbol for tungsten (also called Wolfram)

The final letter indicates the alloying element or oxide additions.

P: Pure

La: Lanthanated

Ce: Ceriated

Th: Thoriated

Zr: Zirconiated

G: stands for unspecified oxide additions

The numbers specify the nominal alloying composition (in weight - percent). For instance, EWTh-2 is a thoriated tungsten electrode that contains nominally 2 wt - % thoria.

Temperature Indicators

TempilStik[®]

Tempil's industrial melting point standards are simple, reliable and guaranteed accurate within 1%. TempilStik[®] technology was developed to meet the demand for measuring surface temperatures during preheat, interpass and postweld heat treatment temperatures. When the TempilStik[®] mark melts, the temperature has been reached. Over 100 temperature ratings available between 100° F (38° C) and 2500° F (1371° C). Lot numbered for NIST traceability in accordance with ISO 10012-1.

Applications

A few of the hundreds of uses for TempilStik[®] temperature indicators include: Determining surface temperatures during welding and metal fabrication including preheat, interpass, postweld heat treatment, annealing and stress relieving. Determining operating temperatures of bearings, transformers, steam traps, molds, PC board preheaters, motors, electronic components, hydraulic systems, commercial irons, hot plates & heat exchangers.

How to Use

When working below 700° F (371° C) on relatively rough surfaces, where prolonged heating is not required, the simplest method is to mark the workpiece before heating begins. The dry opaque TempilStik[®] mark will change to a distinct melted mark; this phase change will occur when the temperature rating of the selected TempilStik[®] has been reached.

CAUTION: Disregard any color change that may occur during heating. This has no significance. It is only the melting of the TempilStik[®] mark that indicates when the rated temperature has been reached.

At temperatures above 700° F (371° C) or under prolonged heating, the TempilStik[®] mark may evaporate or be absorbed. Under these conditions, stroke the workpiece with the selected TempilStik[®] from time to time during the heating operation. When the rated temperature has been reached, it will leave a liquid smear. This method should also be used if a smooth surface is involved, where the hard TempilStik[®] chalk will not leave a mark. (If it is necessary to mark a smooth surface before heating, use Tempilqa[®].)

Cleaning

For temperature ratings of 650° F (343° C) or below, the TempilStik[®] mark can be removed (if it has not been charred) with alcohol or water; for ratings above 650° F (343° C), use water only. If the mark has been heated well above the rated temperature and has become charred, an abrasive procedure may be required.

Standard Packaging

TempilStik[®] temperature indicators are 5" long and come in adjustable aluminum holders with pocket clip. 10 indicators per box, either loose or in individual blister packs. Bar-coded per NWSA guidelines. Approximate weight per box of 10: 1/2 lb.

Part Number System

TempilStik[®] Fahrenheit

Part No. TS and degree

TempilStik[®] Celsius

Part No. TSC and degree

TempilStik[®] blister packs

Part No. TSB and degree



Fahrenheit Ratings for TempilStik[®]

Part No.	° F	° C	Part No.	° F	° C	Part No.	° F	° C	Part No.	° F	° C	Part No.	° F	° C
TS0100	100	38	TS0213	213	101	TS0331	331	166	TS0600	600	316	TS1500	1500	816
TS0106	106	41	TS0219	219	104	TS0338	338	170	TS0650	650	343	TS1550	1550	843
TS0109	109	43	TS0225	225	107	TS0344	344	173	TS0700	700	371	TS1600	1600	871
TS0113	113	45	TS0231	231	111	TS0350	350	177	TS0750	750	399	TS1650	1650	899
TS0119	119	48	TS0238	238	114	TS0363	363	184	TS0800	800	427	TS1700	1700	927
TS0125	125	52	TS0244	244	118	TS0375	375	191	TS0850	850	454	TS1750	1750	954
TS0131	131	55	TS0250	250	121	TS0388	388	198	TS0900	900	482	TS1800	1800	982
TS0138	138	59	TS0256	256	124	TS0400	400	204	TS0932	932	500	TS1850	1850	1010
TS0144	144	62	TS0263	263	128	TS0413	413	212	TS0950	950	510	TS1900	1900	1038
TS0150	150	66	TS0269	269	132	TS0425	425	218	TS1000	1000	538	TS1950	1950	1066
TS0156	156	69	TS0275	275	135	TS0438	438	226	TS1022	1022	550	TS2000	2000	1093
TS0163	163	73	TS0282	282	139	TS0450	450	232	TS1050	1050	566	TS2100	2100	1149
TS0169	169	76	TS0288	288	142	TS0463	463	239	TS1100	1100	593	TS2200	2200	1204
TS0175	175	79	TS0294	294	146	TS0475	475	246	TS1150	1150	621	TS2300	2300	1260
TS0182	182	83	TS0300	300	149	TS0488	488	253	TS1200	1200	649	TS2400	2400	1316
TS0188	188	87	TS0306	306	152	TS0500	500	260	TS1250	1250	677	TS2500	2500	1371
TS0194	194	90	TS0313	313	156	TS0525	525	274	TS1300	1300	704			
TS0200	200	93	TS0319	319	159	TS0550	550	288	TS1400	1400	760			
TS0206	206	97	TS0325	325	163	TS0575	575	302	TS1450	1450	788			

Centigrade Ratings for TempilStik[®]

Part No.	° F	° C	Part No.	° F	° C	Part No.	° F	° C	Part No.	° F	° C	Part No.	° F	° C
TSC0040	104	40	TSC0110	230	110	TSC0180	356	180	TSC0250	482	250	TSC0500	932	500
TSC0045	113	45	TSC0115	239	115	TSC0185	365	185	TSC0260	500	260	TSC0560	1040	560
TSC0050	122	50	TSC0120	248	120	TSC0190	374	190	TSC0270	518	270	TSC0600	1112	600
TSC0055	131	55	TSC0125	257	125	TSC0195	383	195	TSC0280	536	280	TSC0625	1157	625
TSC0060	140	60	TSC0130	266	130	TSC0200	392	200	TSC0290	554	290	TSC0650	1202	650
TSC0065	149	65	TSC0135	275	135	TSC0205	401	205	TSC0300	572	300	TSC0680	1256	680
TSC0070	158	70	TSC0140	284	140	TSC0210	410	210	TSC0320	608	320	TSC0700	1292	700
TSC0075	167	75	TSC0145	293	145	TSC0215	419	215	TSC0340	644	340	TSC0800	1472	800
TSC0080	176	80	TSC0150	302	150	TSC0220	428	220	TSC0350	662	350	TSC0850	1562	850
TSC0085	185	85	TSC0155	311	155	TSC0225	437	225	TSC0370	698	370	TSC0900	1652	900
TSC0090	194	90	TSC0160	320	160	TSC0230	446	230	TSC0400	752	400	TSC1010	1850	1010
TSC0095	203	95	TSC0165	329	165	TSC0235	455	235	TSC0420	788	420	TSC1100	2012	1100
TSC0100	212	100	TSC0170	338	170	TSC0240	464	240	TSC0460	860	460	TSC1200	2192	1200
TSC0105	221	105	TSC0175	347	175	TSC0245	473	245	TSC0475	887	475			

Min/Max Double Tempilstik®

Tempilstik® Min/Max Indicators allow for higher-rated and lower-rated testing in a single, handy, double-ended holder. Available as a custom kit of six min/max holders, each with two kit-size sticks. You specify your preferred ratings from Tempil's range of 100 to 650° F, 38 to 343° C.



Part No.	° F	° C	Part No.	° F	° C	Part No.	° F	° C	Part No.	° F	° C	Part No.	° F	° C
T100/38	100	38	T225/107	225	107	T350/177	350	177	T536/280	536	280	T1150/621	1150	621
T104/40	104	40	T230/110	230	110	T356/180	356	180	T550/288	550	288	T1157/625	1157	625
T109/43	109	43	T239/115	239	115	T363/184	363	184	T554/290	554	290	T1200/649	1200	649
T119/48	119	48	T248/120	248	120	T374/190	374	190	T572/300	572	300	T1250/677	1250	677
T122/50	122	50	T250/121	250	121	T375/191	375	191	T575/302	575	302	T1292/700	1292	700
T125/52	125	52	T256/124	256	124	T383/195	383	195	T600/316	600	316	T1300/704	1300	704
T131/55	131	55	T257/125	257	125	T388/198	388	198	T608/320	608	320	T1350/732	1350	732
T140/60	140	60	T263/128	263	128	T392/200	392	200	T650/343	650	343	T1400/760	1400	760
T150/66	150	66	T266/130	266	130	T400/204	400	204	T662/350	662	350	T1450/788	1450	788
T158/70	158	70	T269/132	269	132	T410/210	410	210	T700/371	700	371	T1472/800	1472	800
T163/73	163	73	T275/135	275	135	T413/212	413	212	T750/399	750	399	T1500/816	1500	816
T167/75	167	75	T284/140	284	140	T419/215	419	215	T752/400	752	400	T1550/843	1550	843
T169/76	169	76	T288/142	288	142	T425/218	425	218	T800/427	800	427	T1600/871	1600	871
T175/79	175	79	T294/146	294	146	T428/220	428	220	T850/454	850	454	T1650/899	1650	899
T176/80	176	80	T300/149	300	149	T437/225	437	225	T860/460	860	460	T1700/927	1700	927
T182/83	182	83	T302/150	302	150	T446/230	446	230	T900/482	900	482	T1800/982	1800	982
T185/85	185	85	T306/152	306	152	T450/232	450	232	T932/500	932	500	T1850/1010	1850	1010
T188/87	188	87	T311/155	311	155	T455/235	455	235	T950/510	950	510	T1900/1038	1900	1038
T194/90	194	90	T313/156	313	156	T463/239	463	239	T977/525	977	525	T1950/1066	1950	1066
T200/93	200	93	T320/160	320	160	T475/246	475	246	T1000/538	1000	538	T2000/1093	2000	1093
T203/95	203	95	T325/163	325	163	T482/250	482	250	T1022/550	1022	550			
T206/97	206	97	T329/165	329	165	T488/253	488	253	T1040/560	1040	560			
T212/100	212	100	T338/170	338	170	T500/260	500	260	T1050/566	1050	566			
T213/101	213	101	T344/173	344	173	T518/270	518	270	T1100/593	1100	593			
T219/104	219	104	T347/175	347	175	T525/274	525	274	T1112/600	1112	600			

Tempstik® Test Kit

Tempstik® Test Kit consists of twenty 2-1/2" temperature indicating crayons, each with its own holder, with ratings from 125° F/ 52° C to 800° F/ 427° C. For welders who frequently weld different types of heat treated alloy steels in various thicknesses, and need to know precise preheat and interpass temperatures.

Part No. TSTK



Temperature Indicators

Tempilaq° G

Tempilaq° G is made of the same materials as Tempilstik°. Tempilaq° G is available in the same 102° temperature ratings as Tempilstik° and carries the same ± 1% accuracy. Lot numbers on each bottle allow it to be traced to the specific batch of raw material from which it was made.

How to Use

Apply a thin coating of the appropriate Tempilaq° G to a clean, dry surface. Tempilaq° G will dry rapidly to a dull, opaque film. As heat is applied and the rated temperature is achieved, the Tempilaq° G film will liquefy. Upon cooling, re-solidified mark will be distinctly different than the original mark.

CAUTION: Disregard any color change that may occur during heating.

This has no significance. It is only the melting of the Tempilaq° G mark that indicates when the rated temperature has been reached. Upon cooling, the melted Tempilaq° G mark will solidify to a glossy-transparent appearance.

Tempilaq° G can be diluted to any desired consistency without changing its melting point. The thinner the coating used, the quicker the reaction time will be when temperature has been reached. Use only Tempilaq° G thinner, and only the thinner recommended for the specific temperature rating being used.

Cleaning

For temperature ratings of 650° F (343° C) or below, the Tempilstik° mark can be removed (if it has not been charred) with alcohol or water; for ratings above 650° F (343° C), use water only. If the mark has been heated well above the rated temperature and has become charred, an abrasive procedure may be required.



Typical Applications

Tempilaq° G should be used on surfaces such as polished metal, glass, plastics, rubber, fabrics or electronic components. It should also be used for making larger marks for viewing at a distance. Other applications include dielectric heatsealing, postforming plastic laminate, and annealing polished metal surfaces.

Part No.	2 oz.	
	° F	° C
TL0175	175	79
TL0200	200	93
TL0225	225	107
TL0250	250	121
TL0275	275	135
TL0300	300	149
TL0313	313	156
TL0325	325	163
TL0350	350	177
TL0363	363	184
TL0375	375	191
TL0400	400	204
TL0425	425	218
TL0450	450	232
TL0475	475	246
TL0488	488	253
TL0500	500	260
TL0525	525	274
TL0550	550	288
TL0575	575	302
TL0600	600	316
TL0650	650	343

Part No.	2 oz.	
	° F	° C
TL0700	700	371
TL0750	750	399
TL0800	800	427
TL0850	850	454
TL0900	900	482
TL0950	950	510
TL1000	1000	538
TL1022	1022	550
TL1050	1050	566
TL1100	1100	593
TL1150	1150	621
TL1200	1200	649
TL1250	1250	677
TL1300	1300	704
TL1400	1400	760
TL1450	1450	788
TL1500	1500	816
TL1600	1600	871
TL1700	1700	927
TL1800	1800	982
TL1900	1900	1038
TL2000	2000	1093

Part No.	° F	° C	UM
TL0175QT	175	79	1 quart
TL0275PT	275	135	1 pint
TL0950PT	950	510	1 pint

Tempilabel°

- Self-adhesive temperature indicating labels.
- Each label consists of heat sensitive indicator(s) sealed under transparent window(s).
- As the rated temperature(s) are reached, the indicator(s) color change from light gray to black.
- Color change is one-way; irreversible.
- Temperature from 100° F to 500° F (38° C to 260° C) are available.
- Shapes, sizes and types available are numerous and can satisfy a wide range of application requirements.

Benefits:

- **Inexpensive**- alternative for temperature measurement.
- **Simple**- easy to apply self-adhesive label; no gauges or electronics.
- **Accurate**- within ±2% rated temperature or better.
- **Guaranteed**- accuracy certification is available.
- **Reliable**- monitor surface temperature continuously.
- **Calibration**- Tempilabels° are always in calibration.
- **Permanent Record**- easily removed after use providing documentation warranty claims and inspection or quality control reports.
- **Traceable**- production lot numbered.

Series 4 Tempilabel°

- 4 temperature ratings per label.
- Label size: .087" L x 1.75" W
- Unit: Available in packs of 10 or rolls of 500 (4 rolls minimum)

Part No.	° F	° C	° F	° C	° F	° C	° F	° C
TLL4A100	100	38	110	43	120	49	130	54
TLL4A130	130	54	140	60	150	66	160	71
TLL4A170	170	77	180	82	190	88	200	93
TLL4A190	190	88	200	93	210	99	220	104
TLL4A220	220	104	230	110	240	116	250	121
TLL4B125	125	52	150	66	175	79	200	93
TLL4B225	225	107	250	121	275	135	300	149
TLL4C100	100	38	150	66	200	93	250	121
TLL4C200	200	93	250	121	300	149	350	177

Series 21 Tempilabel°

- Label size: .050" square
- Unit: Packs of 210 and rolls of 1000

Part No.	° F	° C	Part No.	° F	° C
TLL-21-100	100	38	TLL-21-220	220	104
TLL-21-110	110	43	TLL-21-230	230	110
TLL-21-120	120	49	TLL-21-240	240	116
TLL-21-130	130	54	TLL-21-250	250	121
TLL-21-140	140	60	TLL-21-260	260	127
TLL-21-160	160	71	TLL-21-270	270	132
TLL-21-170	170	77	TLL-21-280	280	138
TLL-21-180	180	82	TLL-21-290	290	143
TLL-21-190	190	88	TLL-21-300	300	149
TLL-21-200	200	93	TLL-21-400	400	204
TLL-21-210	210	99	TLL-21-500	500	260

TwecoTong® Electrode Holders / Parts / Ground Devices

TwecoTong® Electrode Holders

- * Feature reversible top and bottom insulators.
- Efficient 6-position jaw patterns.
- Fully insulated.
- Protected springs.
- Ball-point cable connection.

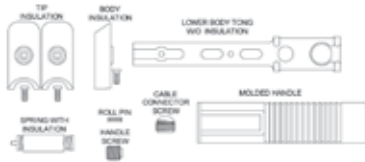


Part No. A-14-HD

Part No.	Model No.	AMP Capacity	Body Alloy	Electrode Capacity	Cable Connection Capacity	Length (inches)	Length (mm)
A-532	9110-1101	200	Copper	thru 5/32"	Ball-point thru 2/0	8-1/2"	216
A-316	9110-1102	250	Copper	thru 3/16"	Ball-point thru 2/0	9-1/4"	235
A-732	9110-1103	300	Copper	thru 7/32"	Ball-point thru 2/0	10"	254
A-14	9110-1104	350	Copper	thru 1/4"	Ball-point thru 4/0	11"	279
A-14-HD	9110-1105	400	Copper	thru 1/4"	Double ball-point thru 4/0	12"	305
A-38-HD	9110-1106	500	Copper	thru 3/8"	Double ball-point thru 4/0	13-1/4"	336

Part No.	Model No.	Description	AMP Capacity	Electrode Capacity	Cable Connection Capacity	Length (inches)	Length (mm)
9120-1000	04TT	Tweco-Tite® holder	400	1/16" thru 1/4"	thru 3/0	9"	229

TwecoTong® Electrode Holder Parts



Description	A-532	A-316	A-732	A-14	A-14-HD	A-38-HD
Tip Insulation w/ screw	A-532-1P (9910-2102)	A-532-1P (9910-2102)	A-732-1P (9910-2302)	A-732-1P (9910-2302)	A-732-1P (9910-2302)	A-38-HD-1P (9910-2602)
Body insulation	A-532-3 (9910-2103)	A-532-3 (9910-2103)	A-532-3 (9910-2103)	A-14-3 (9910-2403)	A-14-3 (9910-2403)	A-38-HD-3 (9910-2603)
Molded handle	A-532-7 (9910-2107)	A-316-7 (9910-2207)	A-732-7 (9910-2307)	A-14-7 (9910-2407)	A-14-HD-7 (9910-2507)	A-38-HD-7 (9910-2607)
Handle screws	AL-300-12 (9910-2712)	AL-300-12 (9910-2712)	AL-300-12 (9910-2712)	AL-300-12 (9910-2712)	AL-300-12 (9910-2712)	AL-300-12 (9910-2712)
Cable connector screw	A-532-24 (9910-2124)	A-532-24 (9910-2124)	A-532-24 (9910-2124)	A-14-24 (9910-2424)	A-14-24 (9910-2424)	A-14-24 (9910-2424)

Heavy Duty Rotary Ground Devices

Tweco® Roto-Ground is a highly efficient device for grounding weldments while being rotated on turning rolls or positioners. The 2" shaft shoulders up to a steel nut which the user welds to his rotating work or fixture. Tweco® Roto-Grounds have no brushes, springs or mercury. A simple tension adjusting bolt provides maximum efficiency.



Part Nos. GCRG-140 RG-140 RG-240 RG-440 RG-640

Part No.	Model No.	AMP Capacity	Cable Capacity	No. of Heads	Shaft Stud	Length (inches)	Length (mm)
GCRG-140	9210-1314	400	1-4/0	1	3/4" NC		
RG-140	9250-1114	400	1-4/0	1	3/4" NC	8"	203
RG-230	9250-1123	600	2-3/0	1	1-1/8" NC	10-1/4"	260
RG-240	9250-1124	800	2-4/0	1	1-3/8" NC	10-5/8"	270
RG-440	9250-1144	1500	4-4/0	2	1-3/8" NC	10-5/8"	270
RG-640	9250-1164	2000	6-4/0	3	1-3/8" NC	10-5/8"	270

Ground Clamps

Roto-Work Grounding Clamps

Tweco® Roto-Work Ground Clamps are designed primarily to work in conjunction with the Tweco® Roto-Ground Device. However, they may also be used for other high amperage grounding applications. The Roto-Ground shaft screws into the tapped back of the Roto-Work Clamp. The clamp is quickly attached or moved from one rotating weldment or fixture to the other without removing the Roto-Ground from it. Saves welding down time. Roto-Work Clamps are made from 98% copper alloy. They come in 600, 1200 and 2000 ampere capacity. No. WCRG-600 ampere and WCRG-1200 ampere have single tightening screws. No. WCRG-2000 has two tightening screws. Number WCRG-600 works only with No. RG-230 due to its smaller shaft size. Large tightening screws and ample contact surface area provide cool, efficient operation.



Part No. GC-600-75

Part No.	Model No.	AMP Capacity	Fits Roto-Ground	Clamp Contact	Throat Height	Throat Dept	Over-all Height	Over-all Width	Tapped For
WCRG-600	9255-1106	600	RG-230	6-1/4 sq/in	2-1/2"	2-1/2"	5-3/4"	2-1/2"	1-1/8" NC
WCRG-1200	9255-1112	1200	RG-240/440	9 sq/in	3"	3"	6-3/4"	3"	1-3/8" NC
WCRG-2000	9255-1120	2000	RG-440/640	12 sq/in	3"	3"	6-3/4"	4"	1-3/4" NC
GC-600-75	9255-1075	Clamp only - tapped 3/4" for RG-140 Roto-Ground only							

Ground Clamps

GC-300 Ground Clamp

- 98% copper alloy jaws
- Fully insulated spring



Part No. GC-300



Part No. SGC-300



Part No. FGC-300

SGC-300 Ground Clamp

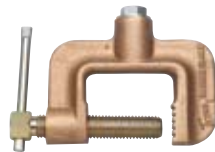
- Steel body with direct ground through copper alloy jaw
- SGC-500 w/copper shunt
- SGC-300 w/o copper shunt

FGC-300 Ground Clamp

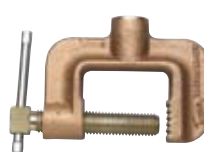
- 98% copper alloy
- 200, 300 & 500 AMP flat jaw

Part No.	Model No.	AMP Capacity	Jaw Opening	Cable Connection Capacity	Length (inches)	Length (mm)
GC-200	9205-1120	200	1" - depth 3"	Ball-point thru 1/0	6"	157
GC-300	9205-1130	300	1-1/2" - depth 4"	Ball-point thru 3/0	8-1/2"	216
GC-500	9205-1150	500	2" - depth 5-1/4"	Ball-point thru 4/0	10"	254
SGC-300	9205-1230	300	2" - depth 1-3/4"	1/2" stud connection	9"	228
SGC-500	9205-1250	500	2" - depth 1-3/4"	1/2" stud connection	9"	228
FGC-200	9205-1320	200	5/8" - depth 2"	Ball-point thru 1/0	5"	127
FGC-300	9205-1330	300	1" - depth 3-1/2"	Ball-point thru 3/0	7-1/4"	184
FGC-500	9205-1350	500	1-1/2" - depth 3-1/4"	Ball-point thru 4/0	9-1/4"	234

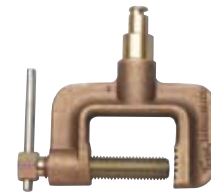
C-Type Ground Clamps



Part No. GC-600-50



Part No. GC-600-DBP

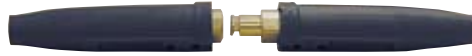


Part No. GC-600-TMP

Part No.	Model No.	AMP Capacity	Type Cable Connection	Throat Opening	Throat Depth
GC-600-50	9210-1150	500	1/2" cap screw	2-1/2"	1-3/8"
GC-600-DBP	9210-1201	600	Double ball-point	2-1/2"	1-3/8"
GC-600-TMP	9210-1202	600	Tweco® male plug	2-1/2"	1-3/8"

Cable Connectors

MPC connectors are equipped with heat and oil resistant covers, zinc plated cover and ball-point cable screws. Connectors are interchangeable with older Tweco® MBP connectors. The Whip cable connector is used when downsizing cable to an electrode holder. It is a No. 2 male connector with cable hole sized to fit 4, 2, 1 or 1/0 cable. The 2-1-MPC will fit any No. 2 or No. 4 female connector.



Part No. 2-MPC

Part No.	Model No.	Description	Type Cable Connection	Cable Capacity	Std. Pkg.
MPC Series Positive-CAM Mechanical Connection - Zinc Plated Type Cable & Cover Screws					
1-MPC	9425-1100	Complete connection	Single ball-point	4, 2, 1	1 ea. male/female
1-MPC-1	9425-1110	Male half	Single ball-point	4, 2, 1	2 ea. male
1-MPC-2	9425-1120	Female half	Single ball-point	4, 2, 1	2 ea. female
2-MPC	9425-1200	Complete connection	Single ball-point	1/0, 2/0, 3/0	1 ea. male/female
2-MPC-1	9425-1210	Male half	Single ball-point	1/0, 2/0, 3/0	2 ea. male
2-MPC-2	9425-1220	Female half	Single ball-point	1/0, 2/0, 3/0	2 ea. female
4-MPC	9425-1400	Complete connection	Double ball-point	3/0 or 4/0	1 ea. male/female
4-MPC-1	9425-1410	Male half	Double ball-point	3/0 or 4/0	2 ea. male
4-MPC-2	9425-1420	Female half	Double ball-point	3/0 or 4/0	2 ea. female
2-1-MPC	9425-1140	Whip connection	Single ball-point	4, 2, 1, 1/0	2 ea.

Cable Connector Replacement Parts

Part No.	Model No.	Description
MPC Series Positive-CAM - Zinc Plated Type Cable & Cover Screws		
1R-C	9940-2103	Insulating cover only, all 1-MPC
24R-MBP	9940-2124	Insulating cover only, all 2 & 4 MPC
1-MBP-10	9940-2100	Cable connection screw, zinc plated, all 1-MPC
A-532-24	9910-2124	Cable connection screw, zinc plated, all 2-MPC
A-14-24	9910-2424	Cable connection screw, zinc plated, all 4-MPC

Terminals and Twecolugs®

- Screw-on terminals-fits
- Terminal size 1/2" NC



Part No.	Model No.	Fits Tweco® Connection No.
2-SF-50	9505-1152	No. 2 & No. 4 male half

Female Terminals

- Stud Hole Size 17/32"



Part Nos: 1-AF



1-OF



2-AF



2-OF

Part No.	Model No.	Description	Accepts Male Ends	Std. Pkg.
1-AF	9510-1100	45° angle	1-MPC	24
1-OF	9510-1101	180° offset	1-MPC	24
2-AF	9510-1110	45° angle	4-MPC, 2-MPC	24
2-OF	9510-1111	180° offset	4-MPC, 2-MPC	24

Terminals / Lugs / Splicers

Ball-Point Connection Type

- Stud hole size 17/32"



Part No. 10-45C



Part No. 40-180



Part No. 10-180C



Part No. 40-45

Part No.	Model No.	Description	Cable Capacity	Std. Pkg.
10-45	9915-1100	45° Angle*	thru 1/0	12
10-45C	9515-1101	45° Angle**	thru 1/0	12
10-180	9515-1102	180° Offset*	thru 1/0	12
10-180C	9515-1103	180° Offset**	thru 1/0	12
40-45	9515-1110	45° Angle*	thru 4/0	12
40-45C	9515-1111	45° Angle**	thru 4/0	6
40-180	9515-1112	180° Offset*	thru 4/0	12
40-180C	9515-1113	180° Offset**	thru 4/0	6

* Less insulated cover

** Insulated cover

Terminals- Heavy Duty Type

- Mechanical Ball-point



Part No. 140-HD-180



Part No. 240-HD-180



Part No. 140HD-180C

Part No.	Model No.	Description	Cable Capacity	Size of Stud Hole	Length (inches)	Length (mm)
140-HD-180	9515-1120	180° offset	3/0 & 4/0	21/32"	4-3/8"	111
140-HD-180C	9515-1121	w/ insulated cover 180° offset	3/0 & 4/0	21/32"	5-1/2"	140
240-HD-180	9515-1122	180° offset	3/0 & 4/0	21/32"	4-5/8"	131

Twecolugs® - Crimp or Solder Type

- For use of Tweco® "Lug-Set"



Part No. T-62



Part No. T-810

Part No.	Model No.	Welding Cable Size	AMP Rating	Size of Stud Hole	I.D. Solder Socket	Std. Pkg.
T-62	9520-1104	6 thru 2	150	17/32"	.461"	50
T-120	9520-1105	1 thru 2/0	225	17/32"	.559"	50
T-3040	9520-1107	3/0 & 4/0	250	17/32"	.660"	25
T-40HD	9520-1109	4/0 heavy-duty	325	21/32"	.776"	25
Power Cable Lugs						
T-810	9520-1101	8 thru 10	50	13/64"	.238"	200
T-68	9520-1102	6 thru 8	70	21/64"	.289"	125
T-46	9520-1103	4 thru 6	90	21/64"	.347"	100

Cable Splicers

- Ball point type



Part No. BP-410



Part No. BP-1030



Part No. BP-2040

Part No.	Model No.	Fitting Type	Cable Capacity	Std. Pkg.
BP-410	9605-1101	Ball point	4, 2, 1, 1/0	12
BP-1030	9605-1103	Ball point	1/0, 2/0, 3/0	12
BP-2040	9605-1105	Double ball point	2/0, 3/0, 4/0	6

Panel Receptacles / Mounting Plates / Block & Punch

Panel Receptacles

- Use with MPC or MBP connectors



TSF Version



BPF Version

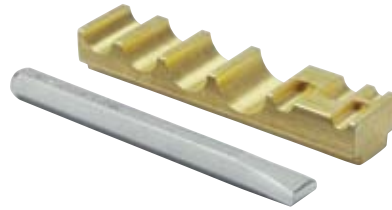
Part No.	Model No.	Fitting Type	Fits Tweco Connector	For Cable Size	Cable Attachment
1516-BPF	9580-1100	Ball-point	No. 1	4, 2, 1	5/16" ball point
114-TSF	9580-1101	Threaded	No. 1	4, 2, 1, 1/0	5/16" thread, stud
238-TSF	9580-1102	Threaded	No. 2, 4	1/0, 2/0, 3/0	3/8" thread, stud
2916-BPF	9580-1103	Ball-point	No. 2, 4	1/0, 2/0, 3/0	9/16" ball point
212-TSF	9580-1104	Threaded	No. 2, 4	1/0, 2/0, 3/0	1/2" - 20 thread, stud

Replacement Parts

Part No.	Model No.	Description
A-532-24	9910-2124	9/16" ball point screw, use with 1516-BPF
AL-300-12A	9910-2714	7/16" ball point screw, use with 2916-BPF

Tweco® "Lug-set" Block & Punch

- For use with Twecolugs®



Part No.	Model No.	Description
12-BP	9900-1140	Block & punch

Replacement Machine Plugs-Ball Point Connection



Part No. 1-M-T



Part No. 2-M-T

Part No.	Model No.	Taper Length	Taper Dimension	Cable Capacity
1-M-T	9505-1800	1-1/8"	21/64" to 23/64"	4, 2, 1
2-M-T	9505-1801	1-1/8"	21/64" to 23/64"	1/0, 2/0, 3/0

Receptacle Conversion Adapters



Part No.	Model No.	Fits Cam Locking Machine Receptacle	Fits Tweco® Male Plug Ends
2-CLC	9505-1811	Large-11/16" I.D.	No. 2-M, 4-M, 2-MPC, 4-MPC

Welding and Compressed Gas Gauges / Nozzle Tools

Model P-601

High Pressure / Brass Polished

Accuracy: $\pm 3-2-3\%$ of span (grade B).

Connection: 1/4" NPT.



Part No. 143403

Maximum Pressure PSIG	Part No.	
	2"	2-1/2"
3000	144202	144203
4000	143403	143404

Model P-607

High Pressure / Steel Painted

Accuracy: $\pm 3-2-3\%$ of span (grade B).

Connection: 1/8" NPT.



Part No. 146532

Maximum Pressure PSIG	Part No.	
	1-1/2"	
4000	146532	

Model P-612

Low Pressure / Brass Polished

Accuracy: $\pm 3-2-3\%$ of span (grade B).

Connection: 1/4" NPT.



Part No. 165507

Maximum Pressure PSIG	Part No.	
	2"	2-1/2"
30*	165507	165614
60	165567	165660
100	164257	164285
200	164259	164287
400	164261	164289

* Red line

Model P-618

Low Pressure / Steel Painted

Accuracy: $\pm 3-2-3\%$ of span (grade B).

Connection: 1/8" NPT.



Part No. 166685

Maximum Pressure PSIG	Part No.	
	1-1/2"	
30*	166685	
100	166471	
200	166532	
400	166365	

* Red line

Gauge Covers



Part No. BG-176

Part No.	Size	Description
BG-176	2"	Threaded
BG-176-C	2"	Twist-lock
BG-177	2.5"	Threaded
BG-177-B	2.5"	Twist-lock



NOZZLE-KLEEN® Tools

Engineered to remove spatter from nozzles, tips, and diffusers without scarring surfaces. Cleans torch without disassembly! Custom ground in 5 sizes.



Part No.	Tool	Tip Size	Nozzle Size
007001X	NK-1X	1/4"	3/8"
007002X	NK-2XS	1/4"	1/2"
007002XS	NK-2X	5/16"	1/2"
007003X	NK-3X	5/16"	5/8"
007004X	NK-4X	3/8"	5/8"
007005X	NK-5X	13/32"	3/4"
007006M	NK-6M	6 mm	12 mm
007007M	NK-7M	7 mm	15 mm
007008M	NK-8M	9 mm	16 mm

Tungsten Grinder / Hose Braces and Clamps / Hose Repair Kits

Triad™ Tungsten Grinder

Provides operators with the versatility and accuracy needed to prepare tungsten for both orbital welding and hand-held applications.

- Grinding, cutting and facing capabilities.
- Eliminate the need and cost for additional preparation tools.
- Accommodates six different electrode sizes.
- Four-angle (15°, 18°, 22.5° and 30°) grinding capabilities.
- A robust industrial-grade motor extends grinder life and runs smooth.
- A comfortable lightweight body.
- High-quality, dual-sided, diamond-coated grinding wheels.
- Standard and rough grinding wheels for proper grind finish for the given tungsten diameter, cut up to 5/32" (4.0 mm) and precisely face for welding at elevated amperages. (Standard grinding wheel included with Triad.™)
- Electrode holder provides a secure grip to reduce the potential for flat spots.
- Sturdy steel carrying case included.

Part No. TIG-PLUS



Dual Hose Braces, Brass, Oval



Part No. 9116



Part No. 9940-P

Part No.	Inside Dimension	Length	Metal Thickness
Dimensions In Inches			
9116	.448 x .890	15/32"	.019
9979	.474 x .943	15/32"	.019
9940-P	.535 x 1.071	3/4"	.024
0453	.593 x 1.238	3/4"	.025
453-A	.640 x 1.310	3/4"	.025
0454	.700 x 1.325	3/4"	.025

Hose Clamps, Brass



Part No. 0500



Part No. 0502

Part No.	For Hose ID	Clamp ID
Dimensions In Inches		
0500	3/16"	7/16"
0501	1/4"	1/2"
0502	1/4"	9/16"
0503	3/8"	5/8"
0504	3/8"	11/16"
0505	3/4"	3/4"

Hose Repair Kits

Hose repair kits include crimping tool, nuts, couplers, splicers, nipples and ferrules. Fast, easy concave crimp ensures strong connections. Convenient plastic case is durable and includes a full color label and description chart. (See previous page for more information on the crimp tools included in the kits)



Part No. CK-3



Part No. CK-5

Part No.	Description
Hose Repair Kits with "Hammer-Strike" Crimp Tool: A-Size (3/8"-24) & B-Size (9/16"-18) Fittings	
CK-1	Kit with C-1 Crimp Tool for 3/16", 1/4" ID Hose
CK-3	Kit with C-3 Crimp Tool for 3/16", 1/4", 3/8" ID Hose
CK-20	Kit with C-1 Crimp Tool for 3/16", 1/4" ID Hose
CK-22	Kit with C-1 Crimp Tool, for 1/4" ID Hose, B-Size Fittings Only
Hose Repair Kits with "Hand-Grip" Crimp Tool: A-Size (3/8"-24) & B-Size (9/16"-18) Fittings	
CK-5	Kit with C-5 Crimp Tool for 3/16", 1/4" ID Hose
CK-6	Kit with C-6 Crimp Tool for 5/16", 3/8" ID Hose
CK-24	Kit with C-5 Crimp Tool for 3/16", 1/4" ID Hose
CK-26	Kit with C-5 Tool for 1/4" ID Hose, B-Size Fittings Only
Hose Repair Kit - B-Size (9/16"-18) Fittings Only	
CK-7	B-Size (9/16"-18) Kit, 189 Fittings in Case (Does not include Crimp Tool)
Hose Repair Kit Case Only	
A10004	Western Kit Case, 11" x 7" x 1-1/4"
Brass Ferrule & Crimping Tool Kit	
CK-10	Ferrule Kit, 134 pieces, C-3B Crimp Tool

Hose Ferrules / Crimping Tools

Brass Hose Ferrules



See listing and descriptions of all Western hand crimp tools and model 5111-A bench tool.
 **Use of hand tool is not recommended. Model 5111-A is a heavy-duty bench style ferrule machine.

Other Western fittings available in Section 1-Fuel Gas Equipment starting on page 111.

Part No.	Inside Diameter	Length	Recommended Hand Crimp Tool	5111-A Die	
				Plain	Ribbed
Listed By Size In Inches *Smallest To Largest ID					
6231	.330	1/2"	C-5A	-	CDR-46
0833	.358	1/2"	C-5A	-	CDR-45
0622	.380	1/2"	C-5A	-	-
0620	.410	1/2"	C-5A	-	-
0769	.450	9/16"	OC-1, OC-5, C-5A, CR-100	-	CDR-41
4750	.478	11/16"	CR-100	-	CDR-41
0624	.500	1/2"	CR-100	-	CDR-40
7322	.500	1"	C-3B	-	CDR-39
0625	.525	1/2"	C-3B	-	CDR-39
7323	.525	1"	C-3B	-	CDR-38
0626	.548	31/64"	C-3B	-	CDR-38
7325	.562	1"	C-3B, OC-5, CR-100	CD-38	CDR-37
3588	.564	3/4"	C-3B, OC-5, CR-100	CD-38	CDR-37
0K-K	.575	31/64"	OC-1, C-3B, OC-3, OC-5, CR-100	CD-38	CDR-37
7326	.593	1"	OC-1, C-3B, OC-3, OC-5	-	CDR-36
0J-J	.600	1/2"	OC-1, C-3B, OC-3, OC-5	-	CDR-36
0I-I	.625	1/2"	C-3B, OC-6, CR-100	-	CDR-35
7327	.625	1"	C-3B, OC-6, CR-100	-	CDR-35
0H-H	.650	1/2"	OC-6	-	CDR-34
7328	.656	1"	C-3B, OC-6, CR-100	-	CDR-34
0G-G	.675	33/64"	C-3B, OC-6, CR-100	-	-
7329	.687	1"	OC-3, OC-6, CR-100	-	-
0F-F	.700	33/64"	OC-3, OC-6, CR-100	-	CDR-32
7330-B	.718	1"	OC-3, OC-6	-	-
0E-E	.725	17/32"	OC-3, OC-6	-	-
7331	.750	1"	OC-3, OC-6	-	-
0C-C	.775	17/32"	OC-3, OC-6	-	-
7332	.781	1"	OC-3, OC-6	-	-
7333	.812	1"	5111-A**	CD-28	-
7244-A	.875	27/32"	5111-A**	CD-26	CDR-25
5029-A	.900	27/32"	5111-A**	CD-25	-
7242-A	.937	27/32"	5111-A**	-	-
5028-A	.975	27/32"	5111-A**	CD-22	-

Bench Ferrule Crimping Tool

- Dies are available with plain contracting surface (CD) or special three-ribbed surface (CDR). Sets are ordered by using die numbers in the Ferrule Table. (Examples: Plain Die for Ferrule K-K: Order CD-38 Ribbed Die for Ferrule K-K: Order CDR-37)
- Dies need to be ordered separately
- Dies are available in standard sets - each set includes four segments.



Part No.	Description
5111-A	Bench model crimper

Hand-Held Ferrule Crimp Tools



Part No. OC-3

Part No. C-5A

Part No.	Description
Crimp with Hammer Strike or Vise Pressure:	
OC-1	2 Hole Jaw 5/8" Wide, Use on 3/16", 1/4" Hose
OC-3	3 Hole Jaw 1" Wide, Use on 3/16", 1/4", 3/8" Hose
C-3B	3 Hole Jaw 1" Wide, Use on 1/4", 5/16", 3/8" Hose
Crimp with Hand-Grip Pressure:	
OC-5	2 Hole Jaw 1/2" Wide, Use on 3/16", 1/4" Hose
C-5A	3 Hole Jaw 1/2" Wide, Use on 1/8", 3/16" Hose
OC-6	2 Hole Jaw 1/2" Wide, Use on 5/16", 3/8" Hose

Heavy-Duty Ferrule Crimp Machine



Part No.	Description
CR-100	Heavy-Duty Ferrule Crimp Machine

Crimps Ferrules on 3/16", 1/4", 5/16", 3/8" Hose Die Width 1/2"

General Information

Precision engineering, meticulous quality and WIKA's local sources of supply are all yours with brass and steel cases when you specify WIKA.

Since 1946, WIKA Instrument Corporation has been advancing the world of pressure and temperature instrumentation. The company's full product line is ideal for a variety of applications within the petrochemical, power generation process, sanitary, medical and wastewater industries. The company's U.S. subsidiary is nestled in a sprawling 210,000 square-foot facility in metropolitan Atlanta.

Utilizing nothing less than state-of-the-art equipment and LeanSigma® manufacturing methodology, WIKA products are the ideal of precision, dependability and technology. With ranges from 30-4,000 PSI, WIKA gauges are available to meet practically every industrial gas, welding and gas plant requirement.

- Available with polished brass or brass painted steel cases.
- Pressure gauges of superior accuracy and quality.
- Low pressure gauges are equipped with C-shaped bourdon tubes
- Gauges 1000 PSI and above have a coiled bourdon tube for extra safety and longer service life.
- Pressure gauges of 1,500 PSI and above have a blowout safety relief and inlet pressure restrictor to protect the gauge and operator from possible damage or injury.

Data Sheets for the products listed below are located at, www.wika.com. They can be located under the "Products" tab select, Mechanical Pressure, then Commercial Gauges: Data Sheet Model Type 111.11.

Welding and Compressed Gas Gauges

Designed for long and reliable service under rugged conditions. Typical applications are for pumps, hydraulic and pneumatic systems, compressors, as a contractor's gauge, and for many other applications where the measured media does not corrode brass. Gauges should be selected so that the maximum working pressure represents 50-75% of the maximum gauge reading. Listed with Underwriters Laboratories and conform to ASME B40.100-2005 cleanliness level IV. Cleaned for oxygen service.

Size: 1.5" (40 mm), 2" (50 mm), 2.5" (63 mm)

Case: Polished brass or brass painted steel

Wetted Parts: Copper alloy

Window: Twist-lock polycarbonate

Dial: White aluminum with stop pin. "USE NO OIL" in red on dial.

Pointer: Black aluminum

Accuracy: ±3/2/3% of span, grade B, ASME B40.100-2005

Connection: 1.5" version - 1/8" NPT, lower mount (LM)

2" & 2.5" version - 1/4" NPT, lower mount (LM)



Maximum Pressure PSIG	Brass Case		Brass Painted Steel Case		
	2"	2.5"	1.5"	2"	2.5"
30		2X-30	2.5X-30		
30 Red line	2-30	2.5-30	1.5-30	2-30-S	2.5-30-S
60		2-60	2.5-60		
100	2-100	2.5-100	1.5-100	2-100-S	2.5-100-S
200	2-200	2.5-200		2-200-S	2.5-200-S
400	2-400	2.5-400	1.5-400	2-400-S	2.5-400-S
600	2-600	2.5-600			
1000	2-1000	2.5-1000			
2000	2-2000	2.5-2000			
3000	2-3000	2.5-3000			
4000	2-4000	2.5-4000	1.5-4000	2-4000-S	2.5-4000-S
Replacement lenses	BG-176	BG-177	BG-179	BG-176	BG-177

Cryogenic Gauges

WIKA center back mounted (CBM) pressure gauges are suitable as either original equipment or as replacements that will meet or exceed manufacturers' specifications. They are designed to deliver a long and safe operating life and are suitable for oxygen service.

Size: 2" (50 mm)

Case: Polished brass

Wetted Parts: Copper alloy

Window: Twist-lock polycarbonate

Dial: White aluminum with stop pin. "USE NO OIL" in red on dial.

Pointer: Black aluminum

Accuracy: ±3/2/3% of span, grade B, ASME B40.100-2005

Connection: 1/4" NPT, center back mount (CBM)



Maximum Pressure PSIG	Brass Case
	2"
100	2-100-CRYO
400	2-400-CRYO
600	2-600-CRYO
Replacement lenses	BG-176

Tip Cleaners and Accessories

Tip Cleaners

WYPO Tip Cleaners are made in the USA, and proven to be the world's finest tip cleaners. Our complete in-house operation, using highly skilled craftsmen, gives you the highest quality product available today.

- Precision manufactured with controlled accurate pressure form high quality stainless steel.
- Uniform ridges wipe and polish the critical orifice wall.
- Tapered ends allow smooth easy entry without scratching.
- Smooth leader pilot guides the cleaner into the tip, preventing damage to the tip port.
- Many sets to choose from. Each guaranteed to be a complete set.
- Attractive aluminum case with a contained spool assembly that snaps out for easy addition of cleaners or spline brush.



Part No. STANDARD



Part No. MASTER



Part No. JUMBO

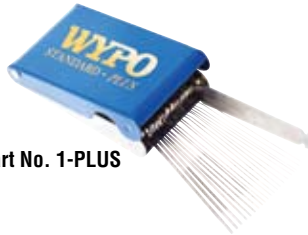


Part No. KING

STANDARD-PLUS

All the wires available in the World's most popular kit "The Standard" (sizes #6 - #26) Plus 3 each of our #6, #7, #8 and #10.

Part No. 1-PLUS

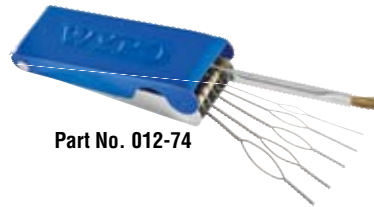


Part No. 1-PLUS

HIGH-SPEED

- Used for cutting and alternate fuel tips.
- Cleans orifice .030 to 5/16" diameter.

Part No. 012-74



Part No. 012-74

TRU FLAME

The superior alternative to low end tip cleaners. Cleans all pre-heat sizes.

11 cleaners + file (6 thru 26)

Part No. 1100S



Part No. 1100S



Total Tip Maintenance-Combo Cards

Everything you need for Total Tip maintenance and more.

- Standard tip cleaner set
- Tip Resurfacing tool

Part No. TTM-1

- Standard tip cleaner set
- Tip Resurfacing tool
- The Gripper
- **Free** soapstone

Part No. TTM-2

- Standard tip cleaner set
- Tip resurfacing tool
- The Indexable
- **Free** soapstone

Part No. TTM-3



Part No. TTM-1



Part No. TTM-2



Part No. TTM-3

Tip Resurfacing Tool

Better alignment, longer and wider for more accurate cleaning. Use before cleaning the orifice.

Part No. 2000

Part No. SP-2000- Skin-packed



Part No. 2000