WIRE WIZARD®
WELDING PRODUCTS

WIRE DELIVERY & WELDING PERIPHERAL EQUIPMENT









FAMILY *OWNED*
AMERICAN *MADE*

IF IT TOUCHES THE WIRE, THE WIZARD HAS A SOLUTION!

wire-wizard.com

WIRE WIZARD® WELDING PRODUCTS

SOLUTIONS TO YOUR WELDING WOES



EXCESS DOWNTIME

- **All Wire Wizard® Products** are designed to help eliminate downtime!
- **Non-Stop® Wire System** — for continuous wire delivery, eliminating downtime for wire changeout
- **PowerBall® Torches & Consumables** — long consumable life reduces downtime



EXCESS SCRAP & POOR WELD QUALITY

- **PowerBall® Torch Products** — consistent welding performance with unrivaled current transfer
- **PowerBall® Replacement Torch Liners** — provides smooth wire feeding for better welding consistency
- **Gas Tracker™ and Wire Tracker™** — monitors variables and detects problems to prevent bad welds



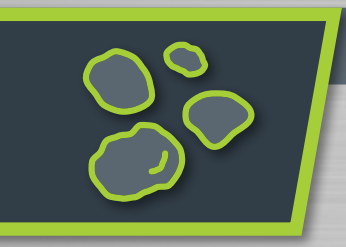
BURN-BACKS

- **Torch Wizard® Nozzle Cleaning Stations** — keep nozzles free of spatter that can cause burn-backs
- **Blue Magic® Anti-spatter** — helps eliminate excess spatter buildup on the contact tip and nozzle
- **PowerBall® Torch Products** — superior cooling features prevent spatter buildup and tip deformation



POOR CONSUMABLE LIFE

- **PowerBall® Torch Products** — enhanced conductivity and less heat buildup for longer consumable life
- **Torch Wizard® Nozzle Cleaning Stations** — prevents tip failure due to spatter buildup on nozzles
- **Blue Magic® Anti-spatter** — eliminates spatter buildup that can reduce nozzle and contact tip life



EXCESS SPATTER BUILDUP

- **Blue Magic® Anti-spatter** — formulated for industrial use, protects against spatter buildup
- **Torch Wizard® Nozzle Cleaning Stations** — keeps torch nozzles spatter-free and prevents arc failures
- **PowerBall® Consumables** — optimized tip geometry and superior cooling prevent spatter buildup



WIRE TANGLING AND BIRDNESTING

- **Wire Wizard® Guide Modules** — eliminates wire skid friction on corners for smooth wire delivery
- **PowerBall® Torch Liners** — elliptical wire liners reduce wire friction to prevent birdnesting
- **Orbital Arm Kits** — eliminates wire tangling problems inside bulk wire drums

VISIT WIRE-WIZARD.COM TO SEE OUR COMPLETE LINE OF INNOVATIVE WELDING PRODUCTS

TABLE OF CONTENTS

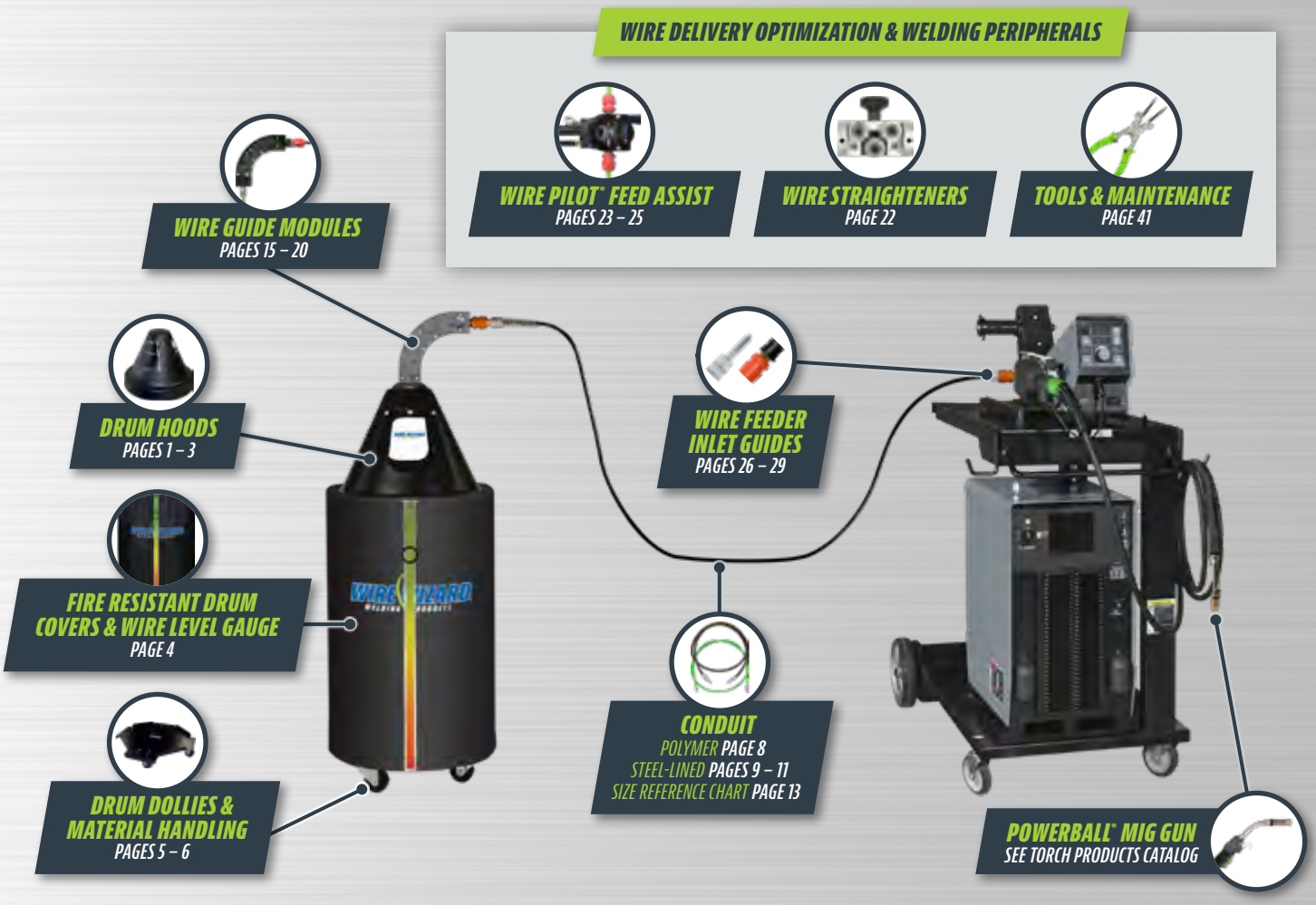
FIBER DRUM DISPENSING EQUIPMENT 1
DRUM & REEL HANDLING EQUIPMENT 5
WOOD REEL WIRE DISPENSING 7
CONDUIT & CONNECTORS 8
WIRE WIZARD® GUIDE MODULE® SYSTEM 15
NON-STOP® WIRE DISPENSING SYSTEM 21
WIRE STRAIGHTENERS 22
WIRE PILOT® FEED ASSISTS 23
QUICK DISCONNECTS & INLET GUIDES 26
WIZARDGEAR® CABLE MANAGEMENT 30
TORCH WIZARD® NOZZLE CLEANING STATIONS . . . 32
ANTI-SPATTER & ACCESSORIES 36
WIRE TRACKER™ DIGITAL WIRE MONITOR 38
GAS FLOW MONITORING & OPTIMIZATION 39
TOOLS & MAINTENANCE EQUIPMENT 41
POWERBALL® TORCH PRODUCTS 42
SHIPPING & TERMS 43

WIRE DELIVERY KIT CONFIGURATION EXAMPLES

SAMPLE WIRE DELIVERY KIT CONFIGURATIONS

Don't know where to start with your wire delivery system? These two wire delivery system examples are designed to help configure an optimized wire delivery equipment setup for typical layouts seen in semi-automatic and robotic arc welding.

SEMI-AUTOMATIC MIG WIRE DELIVERY SETUP EXAMPLE



ROBOTIC MIG WIRE DELIVERY SETUP EXAMPLE

SCAN HERE

or visit ***wire-wizard.com*** *to see additional wire delivery system examples*

WIRE STRAIGHTENERS
PAGE 22

TELESCOPING CONDUIT KIT
PAGE 14

WIRE GUIDE MODULES
PAGES 15 – 20

STRAIN RELIEF CONNECTORS
PAGE 12

WIRE FEEDER INLET GUIDES
PAGES 26 – 29

DRUM HOODS
PAGES 1 – 3

FIRE RESISTANT DRUM COVERS & WIRE LEVEL GAUGE
PAGE 4

WELD CELL INTERIOR

Floor-mounted robot in weld cell

WOOD REEL DELIVERY EQUIPMENT
PAGE 7

CONDUIT
POLYMER PAGE 8
STEEL-LINED PAGES 9 – 11
SIZE REFERENCE CHART PAGE 13

DRUM DOLLIES & MATERIAL HANDLING
PAGES 5 – 6

WIZARDGEAR® ROBOT CABLE MANAGEMENT KITS
PAGES 30 – 31

POWERBALL® ROBOTIC MIG TORCH
SEE TORCH PRODUCTS CATALOG

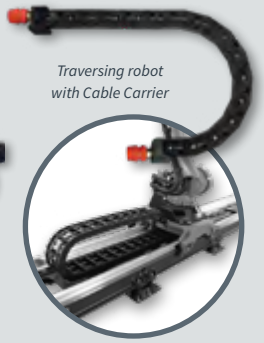
WIRE DELIVERY OPTIMIZATION & WELDING PERIPHERALS



NON-STOP® WIRE DELIVERY SYSTEM
PAGE 21



WIRE PILOT® FEED ASSIST
PAGES 23 – 25



Traversing robot with Cable Carrier

WIRE GUIDE MODULE® FLEX
PAGES 19 – 20



TORCH WIZARD® NOZZLE CLEANING STATIONS & ANTI-SPATTER
PAGES 32 – 35



WELDING OPTIMIZATION TECHNOLOGY
PAGES 38 – 41

FIBER DRUM DISPENSING EQUIPMENT

DRUM HOODS

- Hood covers available for round, square and octagon shaped bulk wire packaging
- Constructed of tough polyethylene for long shop life
- Dual windows provide easy access and viewing
- Flange on hood securely anchors hood to package
- Orbital Arm or Direct Pull Kit guarantee smooth wire feeding
- **Lifetime guarantee against breakage**



Flanged hoods fit both chimed drums and environmental packs

DIRECT PULL KIT *WWDP*

- Quick disconnect with polished ceramic inlet prevents wire shaving
- Fits all cone and wire sizes
- **Lifetime guarantee not to wear out**

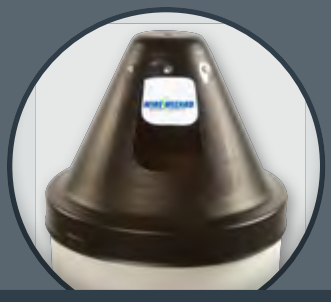
See page 26 for fixed mount direct pull kit



WWDP side



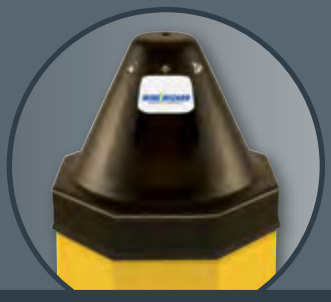
Ceramic inlet



Round Drum Hood



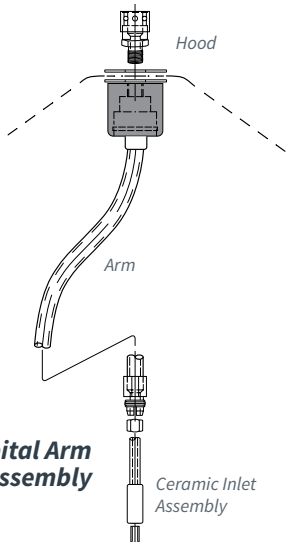
Square Drum Hood



Octagon Drum Hood

ORBITAL ARM KITS

- Helps prevent wire from tangling inside the drum
- Arms available for all wire sizes and types up to 1/16" (1.6 mm)
- Polished ceramic inlet guide will not shave wire
- Compatible with all Wire Wizard® Drum Hoods



Orbital Arm Assembly

A-4
Quick Disconnect



WWOA-20
Orbital arm with steel liner for carbon or cored steel wire

WWOA-20H
Orbital arm with polymer liner for steel or non-ferrous wire

WWRL-H3
Replacement Liner for WWOA-20

WWRL-H4
Replacement Liner with Inlet Guide for WWOA-20H

C-1H
Inlet Guide with Ceramic Insert

ROUND DRUM HOODS *20" – 23" (508 – 584 mm) hoods fit both chimed drums and environmental packs*



Part No.	Description
WW10204F	20.4" (518 mm) Round Hood
WW10204F-DP	20.4" (518 mm) Round Hood with Direct Pull Kit
WW10231F	23" (584 mm) Round Hood
WW10231F-DP	23" (584 mm) Round Hood with Direct Pull Kit
WW10260F	26" (660 mm) Round Hood
WW10260F-DP	26" (660 mm) Round Hood with Direct Pull Kit

SQUARE DRUM HOODS



Part No.	Description
WWSC-21	21" (533 mm) Square Hood (500 lb / 227 kg)
WWSC-21DP	21" (533 mm) Square Hood with Direct Pull Kit (500 lb / 227 kg)
WWSC-24	24" (610 mm) Square Hood (1,000 lb / 453 kg)
WWSC-24DP	24" (610 mm) Square Hood with Direct Pull Kit (1,000 lb / 453 kg)
WWSC-29	29" (737 mm) Square Hood (990 lb / 449 kg) — *Special order item; contact Customer Support*

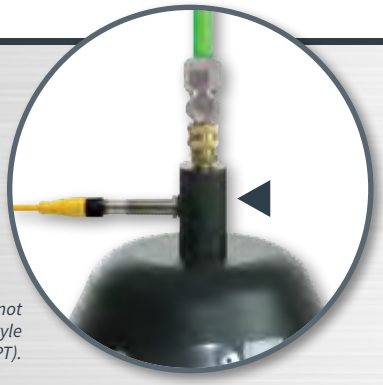
OCTAGON DRUM HOODS



Part No.	Description
WWOC-20.5	20.5" (521 mm) Octagon Hood (500 lb / 227 kg)
WWOC-20.5-DP	20.5" (521 mm) Octagon Hood with Direct Pull Kit (500 lb / 227 kg)
WWOC-21.5	21.5" (546 mm) Octagon Hood (500 lb / 227 kg)
WWOC-21.5-DP	21.5" (546 mm) Octagon Hood with Direct Pull Kit (500 lb / 227 kg)
WWOC-23.5	23.5" (597 mm) Octagon Hood (900 lb / 408 kg)
WWOC-23.5-DP	23.5" (597 mm) Octagon Hood with Direct Pull Kit (900 lb / 408 kg)
WWOC-24.5	24.5" (622 mm) Octagon Hood (1,000 lb / 453 kg)
WWOC24.5-DP	24.5" (622 mm) Octagon Hood with Direct Pull Kit (1,000 lb / 453 kg)

WIRE PRESENCE SENSOR BLOCK & PROXIMITY SWITCH

- Detects and signals when wire drum is empty
- Proximity switch may be connected to PLC to stop welding cycle when wire is depleted
- Uses 12 mm proximity switch, other switches available upon request
- Compatible with all Wire Wizard® drum hoods



Quick disconnect not included. Requires A-4 style disconnect (1/4" NPT).

Part No.	Description
WWSB-M12-K	Sensor Block and Proximity Switch Kit (PNP) (*quick disconnect not included; requires A-4 style disconnect – 1/4" NPT)*
WWSB-M12-K2	Sensor Block and Proximity Switch Kit (NPN) (*quick disconnect not included; requires A-4 style disconnect – 1/4" NPT)*
WWSB-M12	Sensor Block (12 mm)
WWA5-E34	Proximity Switch (PNP)
WWA5-E35	Proximity Switch (NPN)
WWDI	Conduit Connection Insulator

DRUM MANUFACTURER CROSS-REFERENCE CHART FOR HOODS*

Wire Manufacturer	Packaging	Drum Diameter
Air Liquide®	500 lb (227 kg)	20.4" (518 mm)
	900 lb (408 kg)	23.4" (594 mm)
Arcos Alloys®	250 lb (113 kg)	20.4" (518 mm)
	500 lb (227 kg)	20.4" (518 mm)
Avesta®	250 lb (113 kg)	20.4" (518 mm)
	550 lb (250 kg)	20.4" (518 mm)
	600 lb (272 kg)	20.4" (518 mm)
	750 lb (340 kg)	26.0" (660 mm)
Böhler®	550 lb (250 kg)	20.4" (518 mm)
Eagle®	500 lb (227 kg)	20.4" (518 mm)
ESAB®	500 lb (227 kg)	20.4" (518 mm)
	550 lb (250 kg)	20.4" (518 mm)
	900 lb (408 kg)	23.4" (594 mm)
	500 lb (227 kg) – Octagon	20.5" (521 mm)
	600 lb (272 kg) – Octagon	20.5" (521 mm)
	900 lb (408 kg) – Octagon	23.5" (597 mm)
Gedik® (GeKa®)	110 lb (50 kg)	20.4" (518 mm)
	485 lb (220 kg)	20.4" (518 mm)
	550 lb (250 kg)	23.4" (594 mm)
Grytgols Bruk®	500 lb (227 kg)	20.4" (518 mm)
	1,000 lb (453 kg)	26.0" (660 mm)
Harris Welco®	500 lb (227 kg)	20.4" (518 mm)
Hyundai®	< 600 lb (272 kg)	20.4" (518 mm)
	> 600 lb (272 kg)	26.0" (660 mm)
Hobart®	250 lb (113 kg)	23.4" (594 mm)
	400 lb (181 kg)	20.4" (518 mm)
	500 lb (227 kg) – Tubular	20.4" (518 mm)
	600 lb (272 kg) – Solid	20.4" (518 mm)
	600 lb (272 kg) – Tubular	23.4" (594 mm)
	700 lb (318 kg) – Tubular	23.4" (594 mm)
	950 lb (431 kg) – Solid	23.4" (594 mm)
INE®	440 lb (200 kg)	20.4" (518 mm)
	550 lb (250 kg)	20.4" (518 mm)
	1,325 lb (600 kg)	26.0" (660 mm)
Pittarc®	661 lb (300 kg)	20.4" (518 mm)
Kaynak®	550 lb (250 kg)	20.4" (518 mm)
Kobelco®	550 lb (250 kg)	20.4" (518 mm)
	660 lb (299 kg)	20.4" (518 mm)
Lincoln Electric®	500 lb (227 kg)	20.4" (518 mm)
	600 lb (272 kg)	23.4" (594 mm)
	900 lb (408 kg)	23.4" (594 mm)
	1,000 lb (453 kg)	23.4" (594 mm)
	1,000 lb (453 kg) – Large Round	26.0" (660 mm)
	275 lb (125 kg) – Square	24.0" (610 mm)
	500 lb (227 kg) – Square	21.0" (553 mm)
	900 lb (408 kg) – Square	24.0" (610 mm)
	1,000 lb (453 kg) – Square	24.0" (610 mm)
	2,000 lb (907 kg) – Large Square	29.0" (737 mm)
	500 lb (227 kg) – Octagon	21.5" (546 mm)
	1,000 lb (453 kg) – Octagon	24.5" (622 mm)
National Standard®	400 lb (181 kg)	20.4" (518 mm)
	500 lb (227 kg)	20.4" (518 mm)
	900 lb (408 kg)	23.4" (594 mm)
Nexalloy®	150 lb (68 kg)	23.5"
	300 lb (136 kg)	23.5"
	330 lb (150 kg)	23.5"
Novafil®	550 lb (250 kg)	20.4" (518 mm)
Paramount®	500 lb (227 kg)	20.4" (518 mm)
	1,000 lb (453 kg)	26.0" (660 mm)
Pittarc® (Pittini)	550 lb (250 kg)	20.4" (518 mm)
	772 – 992 lb (350 – 450 kg)	23.4" (594 mm)
	1,323 – 1,543 lb (600 – 700 kg)	26.0" (660 mm)
PolyMet®	Round drums	23.4" (594 mm)
Praxair® (ProStar®)	275 lb (125 kg) – Square	21.0" (533 mm)
	550 lb (250 kg) – Square	21.0" (533 mm)
Sandvik®	600 lb (272 kg)	20.4" (518 mm)
Select-Arc® *for 5/64"/2 mm or larger diameter wire use 23.4" (594 mm) drum hoods*	250 lb (113 kg)	20.4" (518 mm)
	400 lb (181 kg)	20.4" (518 mm)
	500 lb (227 kg)	20.4" (518 mm)
	600 lb (272 kg)	23.4" (594 mm)
Stoody®	110 – 200 (50-91 kg)	23.4" (594 mm)
	500 lb (227 kg)	23.4" (594 mm)
	750 lb (340 kg)	23.4" (594 mm)
	No Twist Pak (NTP) – Various sizes	20.4" (518 mm)
Tri-Mark®	400 lb (181 kg)	20.4" (518 mm)
	500 lb (227 kg)	20.4" (518 mm)
	600 lb (272 kg)	23.4" (594 mm)
Washington Alloys®	500 lb (227 kg)	20.4" (518 mm)
	800 lb (363 kg)	26.0" (660 mm)
Weldmark®	500 lb (227 kg)	20.4" (518 mm)
	1,000 lb (453 kg)	26.0" (660 mm)
Wisconsin Wire Works®	250 lb (113 kg)	20.4" (518 mm)
	500 lb (227 kg)	20.4" (518 mm)

** Drum sizes have been supplied by the manufacturer or their distributors who, at their discretion, reserve the right to change product standards without notice. To the best of ELCo's knowledge, information presented is accurate and current.*
All packaging is round unless otherwise noted.

DRUM DOLLIES

See all dollies and carts on pages 5 – 6.

For drums/boxes up to 25" (635 mm) — use FDD-MD-LD for 29" packages



Universal Drum Dolly
FDD-MD
For drums/ boxes
25" (635 mm) and under



Large Universal Drum Dolly
FDD-MD-LD
For drums/boxes between
25 – 30" (635 – 762 mm)



FDSC-13
Heavy Duty Drum Staging Cart



WWSD
Skid Dolly
(27.5" (698.5 mm) square)

FIRE RESISTANT FIBER DRUM & BOX COVERS

For 20.4" to 26" round, square or octagon bulk packages

Wire Wizard® durable fire resistant covers provide effective protection for fiber or cardboard packaging located near the weld cell. Available for round, square or octagon bulk wire packages.

- Constructed of tough fire resistant material
- Simple slip-on/slip-off design
- OSHA and NFPA (USA) codes require fire protection for any combustible wire packaging within 35 feet (10.7 m) of the arc
- Covers meet NFPA Code 51b: “Standard for Fire Prevention During Welding, Cutting and Other Hot Work”



Part No.	Description
WWDC-20.4-R	Fire Resistant Drum Cover — Round 20.4" (518.2 mm)
WWDC-23.4-R	Fire Resistant Drum Cover — Round 23.4" (594.4 mm)
WWDC-26-R	Fire Resistant Drum Cover — Round 26" (660 mm)
WWDC-21-S	Fire Resistant Drum Cover — Square 21" (533.4 mm)
WWDC-24-S	Fire Resistant Drum Cover — Square 24" (609.6 mm)
WWDC-20.5-OC	Fire Resistant Drum Cover — Octagon 20.5" (520.1 mm)
WWDC-23.5-OC	Fire Resistant Drum Cover — Octagon 23.5" (597 mm)

FROM OSHA.GOV WEBSITE

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9853

Standard Number: 1910.252(a)(2)(vii)

Relocation of combustibles. Where practicable, all combustibles shall be relocated at least 35 feet (10.7 m) from the work site. Where relocation is impracticable, **combustibles shall be protected with flameproofed covers** or otherwise shielded with metal or asbestos guards or curtains.

For details on NFPA Standards, see NFPA Code 51b documentation, available through www.nfpa.org.

WIRE LEVEL GAUGE FOR DRUMS & BOXES

- Features magnetic wire detection that slides down the drum as wire is depleted, offering a convenient way to monitor wire usage.
- Detects wire level in the drum with colors and percentages
- Compatible with 500 – 1,000 lb (227 – 453 kg) drums/boxes (reversible design)
- Compatible with carbon steel and cored wires in fiber drums or boxes (incompatible with non-ferrous wire)

Part No.	Description
DLG	Wire Level Gauge for 500 – 1,000 lb (227 – 453 kg) drums/boxes



Close-up view of gauge



Wire Level Gauge mounted on drum

DIGITAL DRUM LEVEL SENSOR

- Utilizes an inductive sensor with PNP output to detect and signal when wire is below a set location on the wire package
- Requires connection to a PLC or robot controller (M12 x 1 , 4-pin connection). Cable not included.
- Compatible with 500 – 1,000 lb (227 – 453 kg) drums/boxes (adjustable design)
- Compatible with most ferrous and non-ferrous wires (wire must be less than 2" from sensor for proper functionality)

Part No.	Description
DLS	Drum Level Sensor for 500 – 1,000 lb (227 – 453 kg) drums/boxes

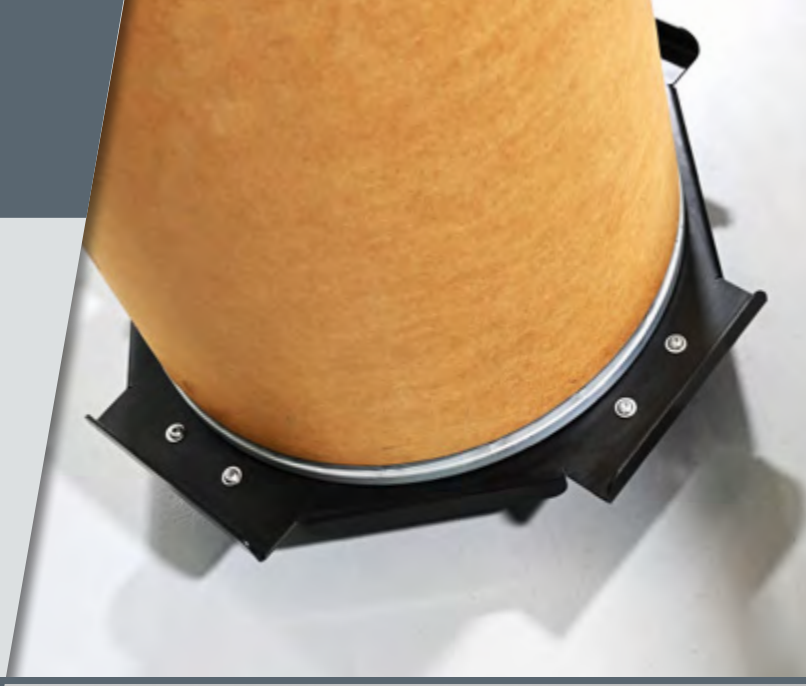


Close-up view of sensor



Digital Wire Level Sensor mounted on drum

DRUM & REEL HANDLING EQUIPMENT



UNIVERSAL DRUM DOLLIES *FDD-MD or FDD-MD-LD*

- Reversible design for large and small wire packages
- Textite wheels and roller bearings for ease of rollability
- Also compatible with 55 gallon drums of anti-spatter

SPECIFICATIONS

- Deck Height: 4.25" (108 mm)
- Weight: 26 lbs (11.8 kg)
- Capacity: 1,200 lbs (544 kg)

DRUM DOLLY FEATURES

PROUDLY MADE



HEAVY DUTY BASE
10 GAUGE (8 GAUGE ON THE FDD-MD-LD) HOT-ROLLED & POWDER-COATED STEEL PLATE

REVERSIBLE DESIGN
ONE SIDE HANDLES DRUMS UNDER 21" (533MM), THE OTHER HANDLES 21 – 25" (534 – 635MM)

INDUSTRIAL STRENGTH CASTERS
DURABLE TEXTITE WHEELS AND ROLLER BEARINGS — SWIVEL CASTERS INCLUDED ON FDD-MD-SW MODEL

Part No.	Description	Replacement Caster Kit
FDD-MD	Universal Drum Dolly with swivel casters on 2 wheels — for drums/boxes 25" (635 mm) and under	WWSD-CK
FDD-MD-SW	Universal Drum Dolly with swivel casters on all wheels — for drums/boxes 25" (635 mm) and under	FDD-CK
FDD-MD-LD	Large Universal Drum Dolly — for drums/boxes between 25 – 30" (635 – 762 mm)	FDD-MD-LD-CK

SKID DOLLY *WWSD*

This dolly can be used with all drums/boxes on skids or pallets measuring 27.5" square or smaller. Four solid Textite roller bearing wheels make transporting a drum simple. Can be assembled in a lip up or lip down configuration depending on customer needs.

SPECIFICATIONS

- Dimensions: 5" (127 mm) H x 27.5" (698.5 mm) L x 27.5" (698.5 mm) W
- Deck Height: 4.5" (114.3 mm)
- Capacity: 1,200 lbs (544 kg)
- Weight: 38 lbs (17.24 kg)
- Replacement Caster Kit: WWSD-CK



Skid dolly



DRUM LIFTER FDL

- Spring loaded clamp design holds drum firmly in place
- For fiber or steel drums (chimed only)
- Accepts diameters from 18.5" – 26" (470 mm – 660.4 mm)
- 1,200 lb (544 kg) capacity

Note: Drum rim must be within 1" (25.4 mm) of the top of the drum. Content weight must not exceed the drum manufacturers' packing limit. Drums must be closed with lids properly sealed. Not for lifting over 10" (254 mm) high.



Shown with FDL-FA



21" DRUM LIFTER (NON-ADJUSTABLE) FDL-21

- Accepts 20" – 21" (508 – 533 mm) drum diameters
- 1,200 lb (544 kg) capacity

24" DRUM LIFTER (NON-ADJUSTABLE) FDL-24

- Accepts 23" – 24" (584 – 610 mm) drum diameters
- 1,200 lb (544 kg) capacity



Drum lifter load test certifications are available on our website at ***wire-wizard.com***

FORK LIFT ADAPTER FDL-FA

- Adjustable T-handle keeps adapter from sliding off fork
- Safety style clasp secures adapter to drum lifter
- 1,200 lb (544 kg) capacity



HEAVY DUTY WOOD REEL STAGING CART WRSC-HD

- Specifically designed to transport wood reels
- All steel construction for rugged industrial use
- Convenient, removable self-storing handle
- 4" (101.6 mm) Textite swivel and rigid roller bearing casters
- Locking swivel wheels standard

SPECIFICATIONS

- Deck Height: 6.75" (171.5mm)
- Weight: 118 lbs (53.6kg)
- Dimensions: 36" (914.4mm) H x 36" (914.4mm) L
- Capacity: 1,200 lbs (544 kg)
- Replacement Caster Kit: Contact Customer Support



HEAVY DUTY DRUM STAGING CART FDSC-13

- Designed to transport wire drums
- Hinged handle stores upright for pushing and outward to give added leverage for easy steering
- Non-conductive Textite 6" (152.4 mm) roller bearing wheels and 3" (76.2 mm) front swivel caster provide smooth movement and maximum maneuverability over all surfaces.
- Transports drums up to 24" (610 mm)
- Optional positive locking brake system *(add "B" to part number)*

SPECIFICATIONS

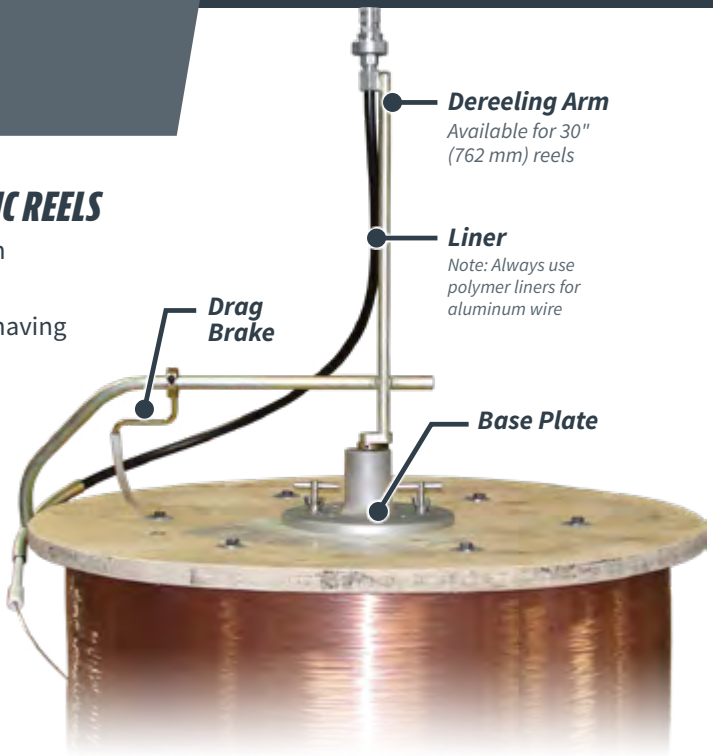
- Deck Height: 1.5" (38.1 mm)
- Depth: 26" (660.4 mm)
- Capacity: 1,200 lbs (544 kg)
- Height: 40" (1.02 m)
- Width: 30" (762 mm)
- Weight: 43 lbs (19.5 kg)
- Replacement Caster Kit: Contact Customer Support



WOOD REEL WIRE DISPENSING

TRADITIONAL DEREELING ARMS FOR WOOD & PLASTIC REELS

- Universal base plate designs fit all wood or plastic reels with 1-3/16" (30 mm) or 5" (127 mm) center arbors
- Ceramic inlet guide provides long wear and prevents wire shaving
- Twin locking cams secure base plate to reel for stability
- Easy installation, typically requires little adjustment
- Outer tube radius and lead will not change wire cast
- Spring-loaded drag brake provides smooth acceleration and deceleration of feed arm and prevents wire from shingling off reel
- Large coupler bearing resists both thrust and "G" loads
- Kits (RW#) include arm, liner, brake, base plate and quick disconnect



DEREELING ARMS AND COMPONENTS

Part No.	Description	Reel Diameter	Arbor Hole Size	Liner Type
RW1034-C44	Dereeling Arm Kit for 0.035 – 1/16" (0.9 – 1.6 mm) wire	30" (762 mm)	5" (127 mm)	Steel
RW1034P-C44	Dereeling Arm Kit for 0.035 – 1/16" (0.9 – 1.6 mm) wire	30" (762 mm)	5" (127 mm)	Polymer
RW1034-C37	Dereeling Arm Kit for 0.035 – 1/16" (0.9 – 1.6 mm) wire	30" (762 mm)	1-3/16" (30 mm)	Steel
RW1034P-C37	Dereeling Arm Kit for 0.035 – 1/16" (0.9 – 1.6 mm) wire	30" (762 mm)	1-3/16" (30 mm)	Polymer
RW1028-C44	Dereeling Arm Kit for 1/16" – 5/32" (1.6 – 4 mm) wire	30" (762 mm)	5" (127 mm)	Steel (Large)
RW1028-C37	Dereeling Arm Kit for 1/16" – 5/32" (1.6 – 4 mm) wire	30" (762 mm)	1-3/16" (30 mm)	Steel (Large)
C-44	Base Plate for 5" (127 mm) Arbor Holes	—	5" (127 mm)	—
C-37	Base Plate for 1-3/16" (30 mm) Arbor Holes	—	1-3/16" (30 mm)	—
C-34	Replacement Arm for 30" (762 mm) Reels (steel liner)	30" (76 mm)	—	Steel
C-34P	Replacement Arm for 30" (762 mm) Reels (polymer liner)	30" (762 mm)	—	Polymer
C-28	Large Replacement Arm for 30" (762 mm) Reels	30" (762 mm)	—	—
C-12-12	Replacement drag brake	—	—	—

Replacement Liners: *C-34-LINER (steel) and C-34P-LINER (polymer) for all RW1034 arms; C-35-LINER (steel) and C-35P-LINER (polymer) for all RW1035 arms; C-28-LINER (steel) for the RW1028 arm.*

BASE PLATES



Base Plate for 5" (127 mm) Arbor Holes
C-44
Includes removable insert for National Standard® reels with 3/4" wood

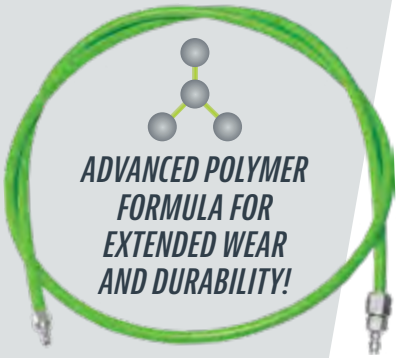


Base Plate for 1-3/16" (30 mm) Arbor Holes
C-37

CONDUIT & CONNECTORS

ADVANCED POLYMER CONDUIT *(see page 13 for Conduit Size Reference Table)*

Known throughout the industry for its longevity and low friction coefficient, this conduit features an advanced polymer formula for enhanced durability. It provides smooth, consistent wire delivery for less load on the feed motor. Recommended for stationary carbon steel applications and aluminum/non-ferrous wire. A polymer-lined steel conduit is also available for robotic applications (see page 11).



Advanced Polymer Conduit
with connector options

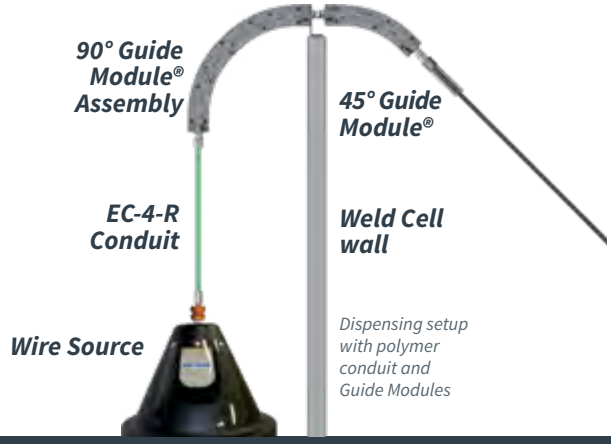
- **Available in two sizes**:
  - EC-4-R for standard wire sizes
  - EC-5 for large wire
  - See Conduit Size Reference table on page 13
- Available in pre-cut lengths with attached self-threading bayonets
- Ideal for both ferrous and non-ferrous wire
- Recommended for feeding from the source to the weld cell exterior
- Self threading or compression style connectors available (see page 12)

QUALITY TESTED FOR MAXIMUM DURABILITY!



We tested the flexural strength of our EC-4-R advanced polymer conduit against a leading competitor by continuously flexing it back and forth until it the point of failure.

Wire Wizard® polymer conduit survived this rigorous test over 70 TIMES longer than the competitor. The results speak for themselves!



Dispensing setup with polymer conduit and Guide Modules

CONNECTOR OPTIONS & INSTALLATION TOOLS



Self-threading "screw-on" style fitting



Compression style fitting with ferrule



Polymer Conduit Cutter EC-CUTTER (see page 41)



Polymer Conduit Countersink Tool EC-DB (see page 41)

Part No.	Conduit Dimensions	Connector Type Self Thread	Compression	Replace Ferrule
EC-4-R*	0.300" ID (7.6 mm) x 0.460 OD (11.7 mm)	A-16F-4	or A-10C-H	A-10CFE
EC-5	0.380" ID (9.6 mm) x 0.600 OD (15.2 mm)	A-16F-5	or A-10R	A-10RFE

**EC-4-R is cross-linked polymer conduit, ideal for robotic applications.*

EC-4-R PRE-CUT CONDUIT*
A-16F-4 Bayonet Attached

Part No.	Description
EC4-120	120" – 10' (3 m)
EC4-180	180" – 15' (4.6 m)
EC4-240	240" – 20' (6.1 m)
EC4-300	300" – 25' (7.6 m)

EC-5 PRE-CUT CONDUIT*
A-16F-5 Bayonet Attached

Part No.	Description
EC5-120	120" – 10' (3 m)
EC5-180	180" – 15' (4.6 m)
EC5-240	240" – 20' (6.1 m)
EC5-300	300" – 25' (7.6 m)

BULK CONDUIT
In 50', 100', 250' or 500' rolls

Part No.	Description
EC-4R-	50-B, 100-B, 250-B or 500-B
EC-5-	50-B, 100-B, 250-B or 500-B

**Custom pre-cut lengths of conduit are available, contact Customer Support for ordering information.*
***Add "ST"** to end of part # for polymer strain relief tube; **"SR"** for steel strain relief.*

EXTRA FLEXIBLE CONDUIT *(see page 13 for Conduit Size Reference Table)*

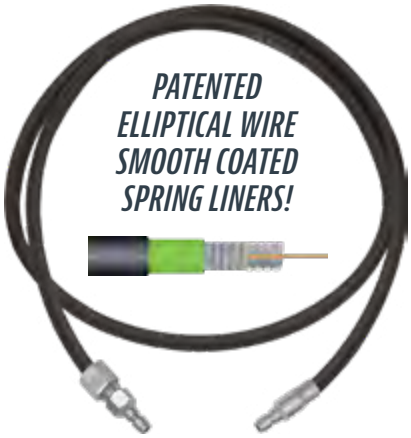
Our most durable conduit displays exceptional wear characteristics and very low friction coefficient. Perfect for robotics, gantry, linear, or any application where a tighter radius is required. Available in pre-cut lengths, 100 ft (30.5 m) bulk coils, or by the foot. All Extra Flexible Conduit now features a spatter-resistant outer jacket, low friction smooth-feed wire coating and patented elliptical wire spring liners.

- **Available in three sizes:**
  FC-X — standard; FC-XH — heavy duty;
  FC-XH-LW — for large diameter wire
- FC-X and FC-XH are available in cut lengths with attached bayonets on each end (swaged style)
- Available in 1 – 100 ft (305 mm – 30.5 m) continuous length coil
- Compression or swaged style connectors available (see page 12)



Conduit
FC-X
Cutaway view

Part No.	Conduit Dimensions	Connector / Ferrule
FC-X	0.241 ID (6.1 mm) x 0.500 OD (12.7 mm)	A-10C-X / A-10XFE
FC-XH	0.291 ID (7.4 mm) x 0.610 OD (15.5 mm)	A-10R / A-10RFE
FC-XH-LW	0.390 ID (10 mm) x 0.750 OD (19 mm)	A-9R-HD / A-9R / A-9FE



Extra Flexible Conduit
Shown as cut length with connector options

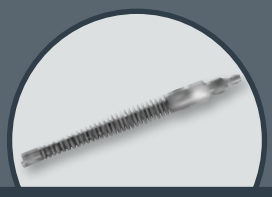
CONDUIT COLOR CODING
Pre-cut lengths are color-coded as follows:

10' (3 m) | 15' (4.6 m) | 20' (6 m) | 25' (7.6 m)

STRAIN RELIEF OPTIONS

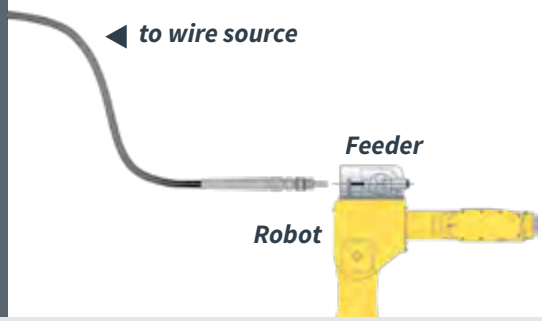


Polymer Strain Relief Tube (-ST)
Recommended for light mobility applications



Steel Strain Relief option (-SR)
Recommended for high mobility applications

SAMPLE CONDUIT RUN



FC-X PRE-CUT CONDUIT*
with A-11X Swaged Bayonet

Part No.	Description
FCXS-120	120" – 10' (3 m)
FCXS-180	180" – 15' (4.6 m)
FCXS-240	240" – 20' (6.1 m)
FCXS-300	300" – 25' (7.6 m)

FC-XH PRE-CUT CONDUIT*
with A-11XH Swaged Bayonet

Part No.	Description
FCXHS-120	120" – 10' (3 m)
FCXHS-180	180" – 15' (4.6 m)
FCXHS-240	240" – 20' (6.1 m)
FCXHS-300	300" – 25' (7.6 m)

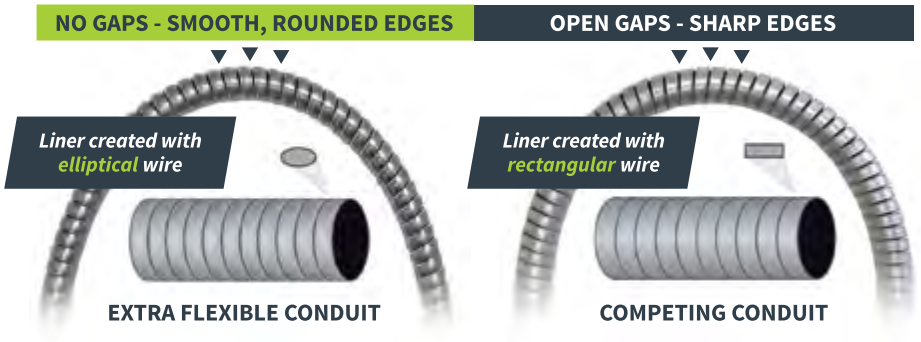
BULK CONDUIT*
sold in 100' (30.5 m) sections

Part No.	Description
FC-X-B	100' (30.5 m)
FC-XH-B	100' (30.5 m)
FC-XH-LW-B	100' (30.5 m)

***Add "ST"** to end of part # for polymer strain relief tube; **"SR"** for steel strain relief.*
**Custom pre-cut lengths of conduit are available; contact Customer Support for ordering information.*

ELLIPTICAL WIRE LINERS *Patented*

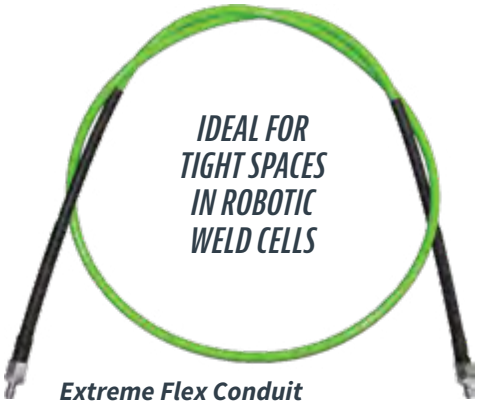
All Wire Wizard® steel liners featured in our Extra Flexible Conduit and Torch Liners are built with a unique elliptical wire to help eliminate wire shaving and to reduce drag coefficient. To the right are images displaying the difference between Wire Wizard® and a liner manufactured with rectangular wire.



EXTREME FLEX CONDUIT *(see page 13 for Conduit Size Reference Table)*

Extreme Flex Conduit is designed for robotic welding applications requiring a high degree of mobility and flexibility. It features the same low friction elliptical wire spring liner as the Extra Flexible conduit, only with a single spatter-resistant outer jacket to provide more flexibility. Extreme Flex conduit is the ideal choice for robotic weld cells with a tight space between the wire source and the robot.

- Sold by the foot or in pre-cut lengths with attached connectors, fittings adapt to standard Wire Wizard® quick disconnects
- Suitable for steel wire sizes up to 0.052 (1.3 mm)
- Polymer strain relief tubes included on all standard pre-cut lengths for enhanced strength at connection points



Extreme Flex Conduit
Cut length with connector options

Compression Connector Assembly



Pre-Cut Length Assembly



Polymer Strain Relief Tube
ST-SB
Included on all pre-cut lengths

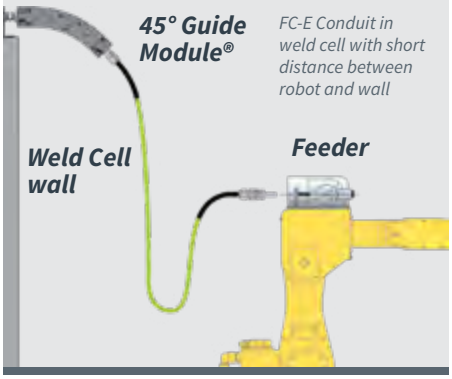
Conduit (cutaway view)
FC-E



Part No.	Description	Connectors
FC-E	0.241" ID (6.1 mm) x 0.440 OD (11.2 mm)	See below/page 12
FC-E-B	100' (30.5 m) bulk roll	See page 12

Order by length (in feet) for cut lengths without connectors

SAMPLE CONDUIT RUN



FC-E Conduit in weld cell with short distance between robot and wall

FC-E CONDUIT CONNECTOR OPTIONS

Connectors not included on lengths ordered by the foot

Part No.	Description
A-10C-H	Compression Fitting with Ferrule
A-10C-H-SR	10.5" Strain Relief and Compression Fitting with Ferrule
A-11E-2-3-A	Reinforcement Tube — required for compression fittings (one per connector)

FC-E CONDUIT CONNECTOR OPTIONS FOR PRE-CUT LENGTHS

Connectors are included on all pre-cut lengths

FC-E PRE-CUT CONDUIT FOR STANDARD WIRE WIZARD® DISCONNECTS*

with A-11E swaged bayonet

Part No.	Description
FCES-120	120" – 10' (3 m)
FCES-180	180" – 15' (4.6 m)
FCES-240	240" – 20' (6.1 m)
FCES-300	300" – 25' (7.6 m)

**Custom pre-cut lengths of conduit are available, contact Customer Support for ordering information.*
*Add **"-SR"** for steel spring strain relief on one end, **"-SR2"** for steel strain relief on both ends.*



Polymer Strain Relief option
Standard on all pre-cut lengths



Steel Strain Relief option
(-SR or -SR2)
Optional Steel Strain Relief

EXTREME FLEX CONDUIT FOR ALUMINUM WIRE (see page 13 for Conduit Size Reference Table)

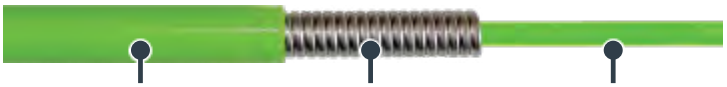
Extreme Flex Conduit for Aluminum Wire features a durable advanced polymer liner for smooth wire delivery. Designed for robotic welding applications requiring a high degree of mobility, it features the same low friction elliptical wire spring liner and spatter-resistant outer jacket as the Extreme Flex Conduit for ferrous wires.

- Provides enhanced strength and durability for robotic applications using aluminum wire
- Sold in pre-cut lengths with swaged connectors at each end (A-11E)
- Suitable for aluminum wire sizes up to 1/16" (1.6 mm)
- Polymer strain relief tubes included on all pre-cut lengths for enhanced strength at connection points



Extreme Flex Conduit for Aluminum Wire
Cut length with connector options

Conduit (cutaway view)
FC-E-A



Flexible outer jacket | ***Patented low friction elliptical wire liner*** | ***Durable advanced polymer inner liner***

Pre-Cut Length Assembly



Polymer Strain Relief Tube
Included on all pre-cut lengths

Part No.	Description	Connectors
FC-E-A	0.09 ID (2.3 mm) x 0.440 OD (11.2 mm)	See page 12
FC-E-A-B	100' (30.5 m) bulk roll	See page 12

FC-E-A Conduit installed at the wire feeder with a 90° Guide Module and swivel connection

90° Mini Guide Module



FC-E-A CONDUIT AVAILABLE PRE-CUT LENGTHS

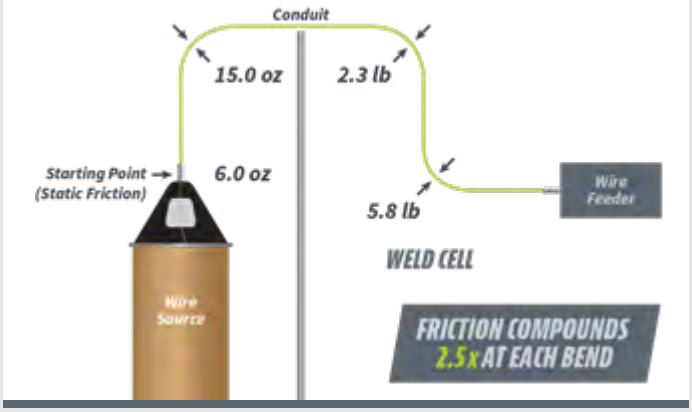
Connectors are included on all pre-cut lengths

Part No.	Description
FCES-120-ST-A	120" – 10' (3 m)
FCES-180-ST-A	180" – 15' (4.6 m)
FCES-240-ST-A	240" – 20' (6.1 m)
FCES-300-ST-A	300" – 25' (7.6 m)

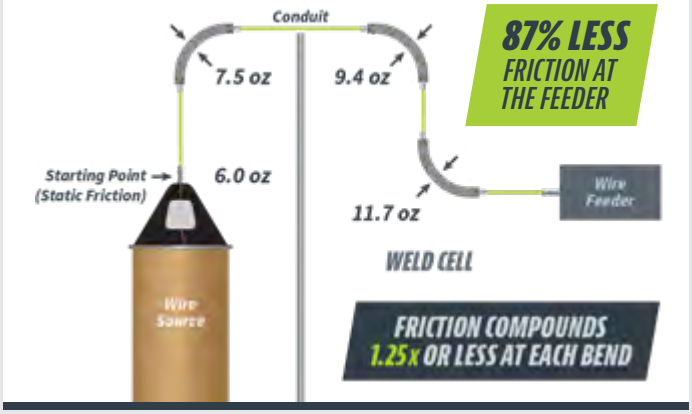
FIGHT WIRE FRICTION WITH WIRE WIZARD® CONDUIT & GUIDE MODULES!

Wire friction compounds around each bend and turn in the wire delivery system. With low friction EC-4-R or FC-E-A conduit and Wire Guide Modules, friction compounds at less than half the rate it does in applications without Guide Modules. Additionally, the Wire Pilot® Wire Feed Assist can be used with aluminum and other light wires to prevent "bird nesting" at the feeder.

COMPOUND FRICTION WITHOUT GUIDE MODULES



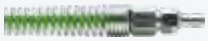
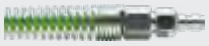
COMPOUND FRICTION WITH GUIDE MODULES



CONDUIT CONNECTORS

POLYMER CONDUIT CONNECTORS *Connectors are compression fittings unless otherwise noted*

REPLACEMENT FERRULE

EC-4-R	 ***A-16F-4*** *Self-threading*	 ***A-10C-H***	 ***A-10C-H-SR***	 ***A-10CFE*** *0.475" (12 mm) I.D.*
EC-5	 ***A-16F-5*** *Self-threading*	 ***A-10R***	 ***A-10R-SR***	 ***A-10RFE*** *0.645" (16.4 mm) I.D.*

EXTRA FLEXIBLE CONDUIT CONNECTORS

REPLACEMENT FERRULE

FC-E / FC-E-A	 ***A-10C-H***  ***A-10C-H-SR***  ***A-11E*** *Swaged*	**Refer to pages 10 – 11 for pre-cut options* *Each connector for FC-E and FC-E-A requires a crush tube: A-11E-2-3-A*	 ***A-10CFE*** *0.475" (12 mm) I.D.*	
FC-X	 ***A-10C-X***  ***A-10XP***  ***A-10C-X-SR***  ***A-11X*** *Swaged*		 ***A-10XFE*** *0.521" (13.2 mm) I.D.*	
FC-XH	 ***A-10R***  ***A-10R-SR***  ***A-11XH*** *Swaged*		 ***A-10RFE*** *0.645" (16.4 mm) I.D.*	
FC-XH-LW	  ***A-9R-HD (or A-9R*)***  ***A-11XH-LW*** *Swaged*	**Use A-9R-HD if connecting to an HD style disconnect, use A-9R for all other disconnects*	 ***A-9FE*** *0.760" (19.3 mm) I.D.*	

POLYMER CONDUIT CONNECTORS

EC-4-R CONNECTORS

Part No.	Description
A-16F-4	Self Threading (1/4" NPT-F) – Steel
A-16F-4B	Self Threading (1/4" NPT-F) – Brass
A-10C-H	Compression (with ferrule)
A-10C-H-SR	Strain Relief Connector – 10.5" (267 mm)

EC-5 CONNECTORS

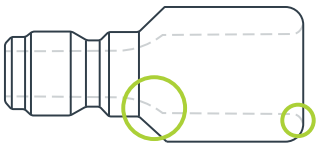
Part No.	Description
A-16F-5	Self Threading (3/8" NPT-F)
A-10R	Compression (with ferrule)
A-10R-SR	Strain Relief Connector
A-10R-QD	Connector with Disconnect
A-10R-QD-SR	Strain Relief with Disconnect



Polymer Strain Relief Tube



Steel Spring Strain Relief, 10.5"



All Wire Wizard® connectors feature rounded shoulders for smooth wire feeding

EXTRA FLEXIBLE CONDUIT CONNECTORS

FC-X CONNECTORS

Part No.	Description
A-10C-X	Compression (with ferrule)
A-10XP*	Compression (1/4" NPT-F)
A-10C-X-SR	Strain Relief Connector – 10.5" (267 mm)
A-11X	Swaged Connector

FC-XH CONNECTORS

Part No.	Description
A-10R	Compression (with ferrule)
A-10R-SR	Strain Relief Connector
A-11XH	Swaged Connector
A-10R-QD	Connector with Disconnect
A-10R-QD-SR	Strain Relief with Disconnect

FC-XH-LW CONNECTORS

Part No.	Description
A-9R-HD or A-9R	Compression (with ferrule)
A-11XH-LW	Swaged Connector

NPT – National Pipe Threads | **M** – Male | **F** – Female

** For A-10XP, use A-4 quick disconnect*

CONDUIT SIZE REFERENCE TABLE

The table below shows the recommended conduit based on the wire type, size, length of run and application. When choosing the proper conduit, please keep in mind these **seven variables of wire dispensing:**

- **Type of Wire:** Such as steel, aluminum, cored steel, or silicone bronze
- **Wire Diameter**
- **Length of Run**
- **Wire Cast:** The curvature of one strand of welding wire, measured as the diameter of the circle formed by a strand laying on a flat surface
- **Wire Helix:** The distance one end of a single wire strand lying on a flat surface rises off that surface (also known as the wire "pitch")
- **Application:** Automated or semi-automatic, number of turns
- Drawing Compounds



		Distance and Recommended Conduit	
Wire Type	**Size (inches/mm)**	**Stationary**	**Automated**
Steel	0.025"/0.6 mm	EC-4-R	FC-X/EC-4-R
Steel	0.030"/0.8 mm	EC-4-R	FC-X/EC-4-R
Steel	0.035"/0.9 mm	EC-4-R	FC-X or E/EC-4-R
Steel	0.040"/1 mm	EC-4-R	FC-X or E/EC-4-R
Steel	0.045"/1.1 mm	EC-4-R	FC-X or E/EC-4-R
Steel	0.052"/1.3 mm	EC-4-R	FC-X or E/EC-4-R
Steel	1/16"/1.6 mm	EC-4-R	FC-XH
Steel	5/64"/2 mm	EC-5	FC-XH
Steel	3/32"/2.4 mm	EC-5	FC-XH
Steel	7/64"/2.5 mm	EC-5	FC-XH
Steel	1/8"/3.2 mm	EC-5	FC-XH-LW
Steel	5/32"/4 mm	EC-5	FC-XH-LW
Aluminum	0.025"/0.6 mm	EC-4-R	EC-4-R or FC-E-A
Aluminum	0.030"/0.8 mm	EC-4-R	EC-4-R or FC-E-A
Aluminum	0.035"/0.9 mm	EC-4-R	EC-4-R or FC-E-A
Aluminum	3/64"/1.2 mm	EC-4-R	EC-4-R or FC-E-A
Aluminum	1/16"/1.6 mm	EC-4-R	EC-4-R or FC-E-A
Aluminum	3/32"/2.4 mm	EC-4-R	EC-4-R
Cored - Steel	0.035"/0.9 mm	EC-4-R/FC-X	FC-X or E/EC-4-R
Cored - Steel	0.045"/1.1 mm	EC-4-R/FC-X	FC-X or E/EC-4-R
Cored - Steel	0.052"/1.3 mm	EC-4-R/FC-X	FC-X or E/EC-4-R
Cored - Steel	1/16"/1.6 mm	EC-5	FC-XH
Cored - Steel	5/64"/2 mm	EC-5	FC-XH
Cored - Steel	3/32"/2.4 mm	EC-5	FC-XH
Cored - Steel	1/8"/3.2 mm	EC-5	FC-XH-LW
Stainless	0.035"/0.9 mm	EC-4-R	FC-X or E/EC-4-R
Stainless	0.045"/1.1 mm	EC-4-R	FC-X or E/EC-4-R
Stainless	0.052"/1.3 mm	EC-4-R	FC-X or E/EC-4-R
Stainless	1/16"/1.6 mm	EC-5	FC-XH
Silicon Bronze	0.030"/0.8 mm	EC-4-R	FC-X or E/EC-4-R
Silicon Bronze	0.035"/0.9 mm	EC-4-R	FC-X or E/EC-4-R
Silicon Bronze	0.045"/1.1 mm	EC-4-R	FC-X or E/EC-4-R
Silicon Bronze	1/16"/1.6 mm	EC-5	FC-XH

Note: *FC-E Extreme Flex conduit is recommended over FC-X for automated applications with tight spaces.*

TELESCOPING CONDUIT QUICK DISCONNECT KIT EC-TCD

Changing out wire drums is quick and easy with the Telescoping Conduit Quick Disconnect Kit. Simply disconnect from the drum hood and slide the conduit up, then slide it back down to reconnect to the next drum of wire.

- Kit includes two linked pieces of our Advanced Polymer Conduit with connector ends that can extend up to 6' (1.8 m)
- May be trimmed if shorter length is needed (see tools below)
- Compatible with ferrous and non-ferrous wires up to 3/32" (2.4 mm)
- Adapts to drums or wood reels



EC-CUTTER
(see page 41)

EC-TCD
Shown with included connector ends (trimmed down from original length)



A-16F-6 ***A-16F-4***

EC-DB *(see page 41)*



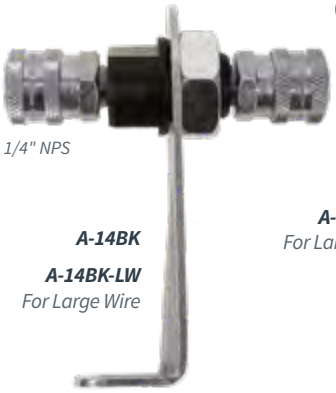


Telescoping Conduit Disconnect Kit
EC-TCD
Shown in use with the Wire Pilot® Feed Assist

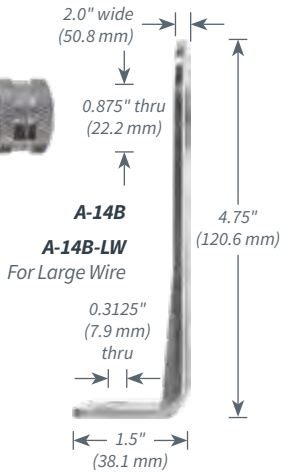
BULKHEAD CONNECTORS

A-14BK KITS

Includes **A-14** bulkhead, **A-14B** bracket and **A-4-ST** quick disconnects.
Use models **A-14B-LW**, **A-14BK-LW** and **A-14HD** for large wire/FC-XH-LW conduit.



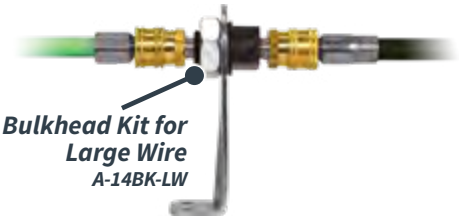
A-14BK
A-14BK-LW
For Large Wire



A-14B
A-14B-LW
For Large Wire



Bulkhead A-14 ***for Large Wire A-14HD***



Bulkhead Kit for Large Wire
A-14BK-LW

A-14 KIT

Kit includes **A-14** bulkhead, and **A-4-ST** quick disconnects.



A-14KIT



Bulkhead Cage Mount Kit
A-14CM

ADAPTER FITTINGS

NPT male (M) and female (F) pipe threads for optimum sealing; countersunk for restriction-free wire piloting



A-15
1/2" – 20 (SAE)
A-15-2
9/16" – 18 (SAE)



A-16M-ST
1/4" NPT-M
A-16M-ST-HD
3/8" NPT-M



A-17
1/4" NPT-F x
3/8" NPT-M



A-18
1/4" NPT-F x
1/2" NPT-M

HEX BUSHINGS



Hex Nipple A-19
1/4" NPT-M x
1/4" NPT-M

WIRE WIZARD® GUIDE MODULE® SYSTEM

GUIDE MODULE®

THE NEW PATH OF LEAST RESISTANCE!

The innovative **Wire Wizard Guide Module® System** utilizes a series of rollers with bearings to allow the weld wire to "coast" around bends and corners in the conduit, eliminating the points of high friction that occur in these areas. By eliminating the friction on the wire, it eliminates arc failures, improves consistency and enables considerably longer conduit runs of 100 feet or more, allowing wire packages to be centrally located. Each 45° Guide Module® may be connected to additional modules to form turns of 90°, 135° or 180° within the wire dispensing system. Compatible with ferrous and non-ferrous wires. Patented design.



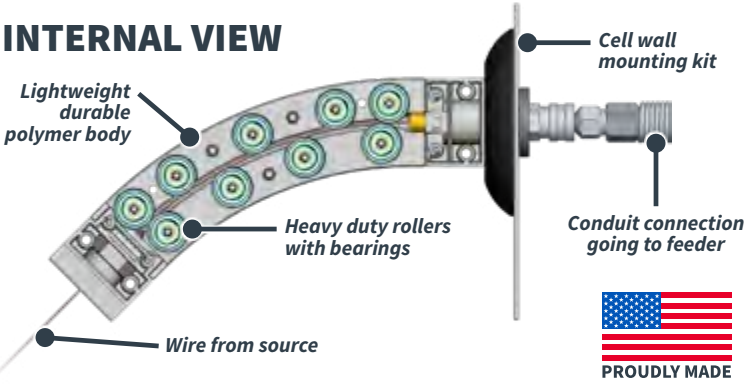
Installation with 90° Guide Modules and Non-Stop® Wire Systems

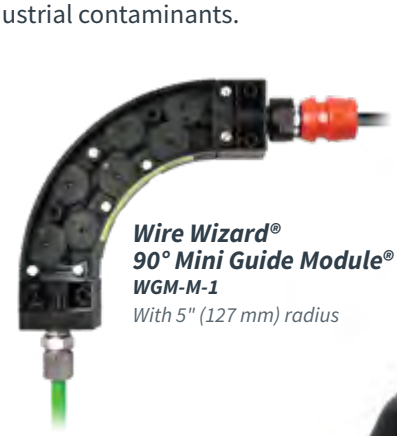
- **Eliminates skid friction** on the wire in areas where bends/corners are necessary throughout the wire dispensing system
- Smooth, low friction wire feeding **improves consistency of welds, eliminates arc failures and reduces downtime**
- **New and improved design** with removable quick access panel for easy maintenance
- **Turns POUNDS of pull force at the feeder into OUNCES!**
- Considerably less expensive than alternative methods of eliminating friction on wire over long distances
- Allows long distance conduit runs of 100 feet + (30.5 m +)
- Increases life of conduit and consumables by reducing friction
- Saves floor space by allowing wire packages to be located closer to the cell wall
- 45° modules may be connected together to form a 90° turn, 135° turn, 180° turn

- **Four Models Available to Cover Virtually all Welding Applications:**
  - **Standard Guide Module®:** For solid wires 0.035 – 5/64" (0.9 – 2 mm).
  - **90° Mini Guide Module®:** For solid wires up to 0.052 (1.3 mm), compact size for tight 90° turns.
  - **Heavy Duty Guide Module® HD*:** For cored and stainless steel wires 0.035 – 5/64" (0.9 – 2 mm). Includes heavy duty steel rollers.
  - **Large Guide Module® XL*:** Compatible with large wire 3/32" – 5/32" (2.4 – 4 mm). Ideal for SAW welding applications! See Submerged Arc catalog for details.
- **3 YEAR GUARANTEE!** With proper maintenance and installation. Excludes damage caused by industrial contaminants.

WATCH VIDEO

INTERNAL VIEW





Wire Wizard® 90° Mini Guide Module®
WGM-M-1
With 5" (127 mm) radius

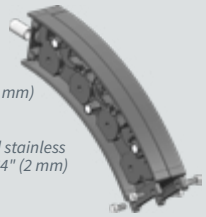


45° Guide Module® mounted on drum cover

SEE PAGES 16 & 17 FOR GUIDE MODULE® COMPONENTS & ACCESSORIES

COMPONENTS & MOUNTING ACCESSORIES

45° WIRE GUIDE MODULES



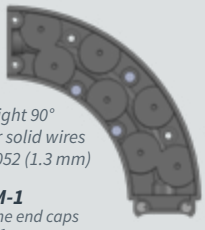
WGM-1
For solid wire up to 5/64" (2 mm)

WGM-1-S
For cored and stainless wire up to 5/64" (2 mm)

WGM-LW-1
For large wire 3/32" – 5/32" (2.4 mm – 4 mm)

90° MINI GUIDE MODULE®

|– – –6" (152 mm)– – –|



Allows tight 90° turns for solid wires up to 0.052 (1.3 mm)

WGM-M-1
Uses same end caps as WGM-1

END CAP CONNECTORS

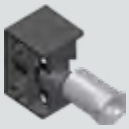
Each kit includes one A and one B end cap



End Cap A

WGM-ECK-50
Use for WGM-1, WGM-1-S and WGM-M-1

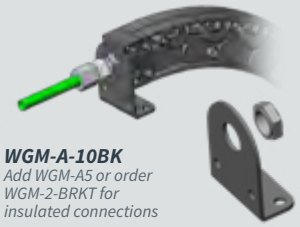
WGM-LW-ECK-50
For WGM-LW-1



End Cap B

FACE MOUNT BRACKET KIT

ALLOWS 360° DIRECTIONAL ADJUSTMENT



WGM-A-10BK
Add WGM-A5 or order WGM-2-BRKT for insulated connections

CONDUITS & FITTINGS — WIRE WIZARD® POLYMER CONDUIT

EC-4-R *(7.6 mm I.D.)*
Fittings: A-16F-4 or A-10C-H

EC-5 *(10.2 mm I.D.)*
Fittings: A-16F-5 or A-10R

A-16F-#
Screw-on Fitting

WGM-A5
All modules except WGM-LW-1

Guide Module® End Cap

A-10HM *for EC-4-R*

A-10##
Compression

Quick Disconnect A-5 *with WGM insert*

CONDUITS & FITTINGS — WIRE WIZARD® EXTRA FLEXIBLE CONDUIT

FC-X *(6.1 mm I.D.)*
Fitting: A-10C-X with WGM-A5 A-10XM without WGM-A5

FC-XH *(7.4 mm I.D.)*
Fitting: A-10R

A-10##
Compression

WGM-A5
All modules except WGM-LW-1

Guide Module® End Cap

Swaged Fitting *(pre-cut only)*

A-9R-HD

Quick Disconnect A-5HD
for WGM-LW-1 only

CELL WALL MOUNTING KIT

SINGLE-SIDED



WGM-WK-1-1

CELL WALL MOUNTING KIT

DOUBLE-SIDED



WGM-WK-2-1

ADJUSTABLE WALL MOUNT BRACKET



WGM-WK-1-3
Adjustable for up to 3" (76 mm) thick walls

FLOOR MOUNTING BRACKET



WGM-FLM
Modules maybe attached to one or both sides

GUIDE MODULE® STAND

FOR DRUM OR WOOD REEL APPLICATION

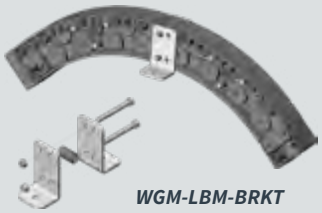


GUIDE MODULE® STAND FOR MEZZANINE APPLICATION

FOR APPLICATIONS WHERE WIRE SOURCE IS ABOVE WELD CELL



L-BRACKET MOUNTING KIT



WGM-LBM-BRKT

360° UNION ADAPTER KIT

ALLOWS DUAL 360° DIRECTIONAL ADJUSTMENT

WGM-UAK
Includes Bracket

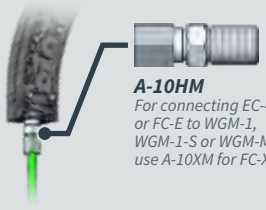


Union kit assembly

THE NEW PATH OF LEAST RESISTANCE!

CONDUIT CONNECTOR OPTIONS

THREADED CONNECTORS



A-10HM
For connecting EC-4-R or FC-E to WGM-1, WGM-1-S or WGM-M-1; use A-10XM for FC-X

DETACHABLE QD CONNECTORS

WGM-A5
Insulated connector with quick disconnect



Use for WGM-1, WGM-1-S and WGM-M-1

INSULATED FACE MOUNT BRACKET

ALLOWS 360° DIRECTIONAL ADJUSTMENT



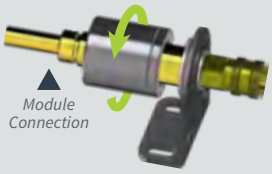
WGM-2-BRKT

DRUM HOOD MOUNTING KIT

WGM-DK



BRACKET MOUNTED SWIVEL KIT



WGM-SW-BM
Includes WGM-A-10BK style bracket

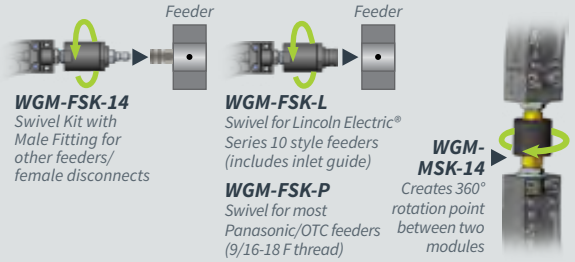
HOOD SWIVEL KIT

Allows 360° rotation on top of drum cover.



WGM-HSK-15

MODULE / FEEDER SWIVEL KITS



WGM-FSK-14
Swivel Kit with Male Fitting for other feeders/ female disconnects

WGM-FSK-L
Swivel for Lincoln Electric® Series 10 style feeders (includes inlet guide)

WGM-FSK-P
Swivel for most Panasonic/OTC feeders (9/16-18 F thread)

WGM-MSK-14
Creates 360° rotation point between two modules

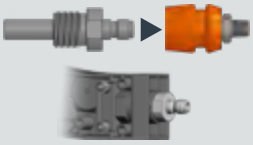
PFA MOUNTING KITS



WGM-PFA-AK
for fixed mount (standard modules) or PFA-54 for WGM-LW-1

WGM-PFA-SW
for the Wire Pilot® Feed Assist

MALE DISCONNECT FITTINGS



WGM-049-L
Male fitting for WGM-1, WGM-1-S and WGM-M-1

WGM-LW-049
Fitting for WGM-LW-1

HANGING BRACKET KITS

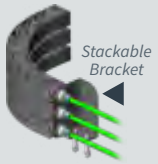


WGM-1-BRKT
45° Hanging Bracket Kit

WGM-1-90-BRKT
90° Hanging Bracket Kit WGM-LW-BRKT for WGM-LW-1

STACKABLE BRACKET

ALLOWS MOUNTING OF UP TO THREE STACKED MODULES

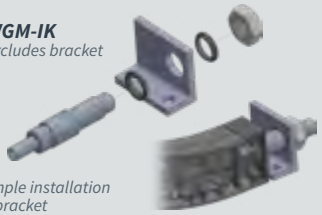


WGM-SMB-3

FEEDER INLET MOUNT KIT

MOUNTS TO FEEDER THROUGH BRACKET OR PANEL

WGM-IK
Excludes bracket



Sample installation on bracket

ADJUSTABLE EXTENSION ARM

FOR INSTALLATION AT THE TOP OF THE WELD CELL WALL

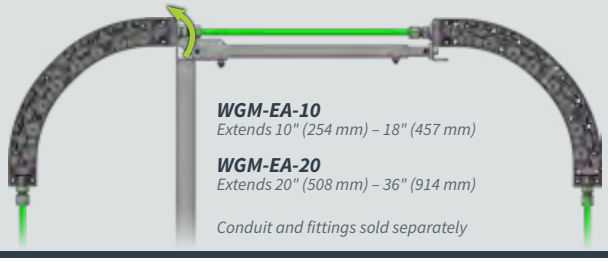


WGM-CM-1
Extends 2" (51 mm) – 13" (330 mm), adjustable height up to 6.5" (165 mm)

Conduit and fittings sold separately

PIVOTING ADJUSTABLE EXTENSION ARMS

BOTH ARMS PIVOT UPWARD TO ALLOW EASY WIRE FEEDING FROM DRUMS AND REELS



WGM-EA-10
Extends 10" (254 mm) – 18" (457 mm)

WGM-EA-20
Extends 20" (508 mm) – 36" (914 mm)

Conduit and fittings sold separately

DIRECT PULL INLET

WGM-DP-LW
Includes ceramic inlet — will not shave wire



WELD-ON OR BOLT-ON MOUNTING BRACKET



WGM-044

SUPPORT BRACKET



WGM-021

SLOTTED SUPPORT BRACKET



WGM-024

45° ANGLE SUPPORT BRACKET

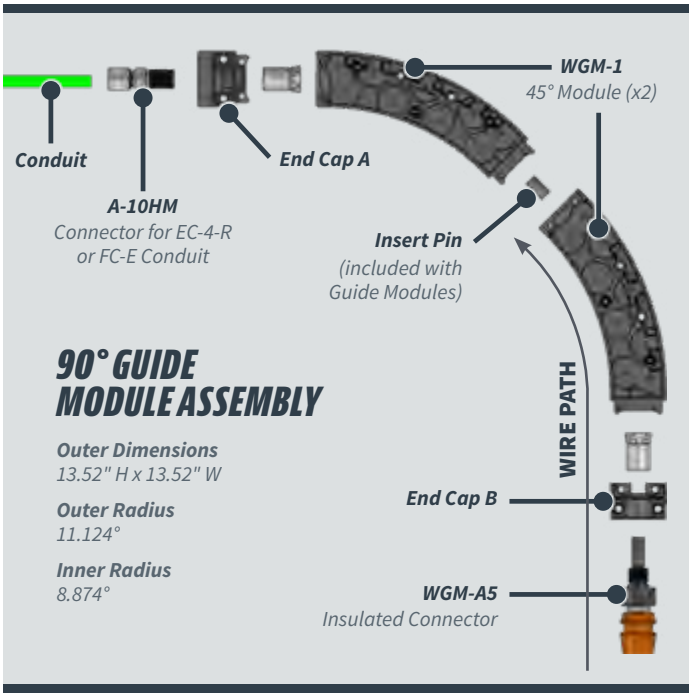


WGM-025

STANDARD GUIDE MODULE® PARTS & ACCESSORIES

Part No.	Description
WGM-1	Guide Module®, Single 45° (for wire up to 5/64" / 2 mm)
WGM-1-S	Guide Module® HD, Single 45° (for stainless/cored wire up to 5/64" / 2 mm)
WGM-M-1	Guide Module® Mini 90°, Single 90° (for wire up to 0.052/1.3 mm)
WGM-ECK-50	Guide Module® End Cap Kit 1/2" NPS-F (for A-10HM or WGM-A5)
A-10HM	Guide Module® Conduit Connector for EC-4-R Conduit
A-10XM	Guide Module® Conduit Connector for FC-X Conduit
WGM-A5	Guide Module® Insulated Connector with Quick Disconnect
WGM-DP-LW	Guide Module® Direct Pull Inlet (includes ceramic inlet guide)
WGM-021	Guide Module® Support Bracket
WGM-024	Guide Module® Support Bracket with Slotted Holes
WGM-025	Guide Module® 45° Angle Support Bracket
WGM-044	Guide Module® Weld-on or Bolt-on Support Bracket
WGM-049-L	Guide Module® Quick Disconnect Adapter (male end)
WGM-SMB-3	Guide Module® Bracket for Stacking/Mounting up to 3 Guide Modules
WGM-1-90-BRKT	Guide Module® 90° Hanging Bracket Kit
WGM-1-BRKT	Guide Module® 45° Hanging Bracket Kit
WGM-A-10BK	Guide Module® Face Mount Bracket with nut for A-10HM
WGM-2-BRKT	Guide Module® Insulated Face Mount Bracket with nut and insulators for A-10HM
WGM-3-BRKT	Guide Module® Side Mounting Bracket for Attachment to the WGM-PFA-STAND
WGM-DK	Guide Module® Drum Mounting Kit for use with Wire Wizard® Hoods
WGM-CM-1	Guide Module® 2 – 13" (51 – 330 mm) Adjustable Extension Arm with Adjustable Length and Height
WGM-EA-10	Guide Module® 10" (254 mm) Adjustable Extension Arm with Hinge Point

Part No.	Description
WGM-EA-20	Guide Module® 20" (508 mm) Adjustable Extension Arm with Hinge Point
WGM-FSK-L	Guide Module® Swivel Kit for Direct Connection to Lincoln Electric® Series 10 Feeder
WGM-FSK-P	Guide Module® Swivel Kit for Direct Connection to Panasonic®/OTC® Feeders (9/16-18 F thread)
WGM-FSK-14	Guide Module® Swivel Kit with Male Fitting for Other Feeders/Female Disconnects
WGM-MSK-14	Guide Module® Swivel Kit for Connecting Stationary to Swiveling Guide Modules
WGM-SW-BM	Guide Module® Bracket Mounted Swivel Kit (swivel with WGM-A-10BK style bracket)
WGM-FLM	Guide Module® Floor Mounting Bracket
WGM-IK	Guide Module® Feeder Inlet Mounting Kit
WGM-LBM-BRKT	Guide Module® L-bracket Mounting Kit
WGM-UAK	Guide Module® Union Adapter Kit (washer and bracket mounts)
WGM-WK-1-1	Guide Module® Wall Mount Kit, Single Sided
WGM-WK-1-3	Guide Module® Adjustable Wall Mount Kit for up to 3" (76 mm) thick walls, Single Sided
WGM-WK-2-1	Guide Module® Wall Mount Kit, Double Sided
WGM-RSK-16	Guide Module® Roof Mount or Wall Mount Swivel Kit — includes 90° Compact Module
WGM-PFA-STAND	Adjustable Drum/Reel Stand for Guide Modules, 50" – 90" H (1270 – 2286 mm); includes one Arm Assembly
WGM-STAND-SW-14	Guide Module® Swivel Kit for WGM-PFA-STAND
GC-1	Wire Guide Caps for up to 0.052 wire (required for cored wire) - 100/pack
GC-2	Wire Guide Caps for up to 0.062-3/32 wire (required for cored wire) - 100/pack
GC-CRIMPER	Crimping tool for installation of wire guide caps



90° GUIDE MODULE ASSEMBLY

Outer Dimensions
13.52" H x 13.52" W

Outer Radius
11.124°

Inner Radius
8.874°

ROOF SWIVEL KIT

- Allows 360° rotation from weld cell roof or wall
- Includes WGM-C-1 Compact 90° Guide Module®



WIRE GUIDE CAPS

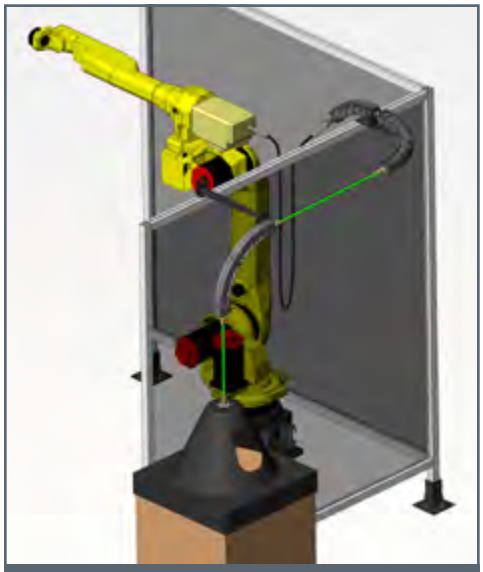
Guide caps are easily crimped on wire ends for smooth feeding of wire through the wire delivery system. Required for cored wire applications.

- **GC-CRIMPER** Crimper for Wire Guide Caps
- **GC-1** Guide cap for up to 0.052 wire
- **GC-2** Guide cap for 0.062 – 0.078 wire
- Guide Caps sold 100 per pack

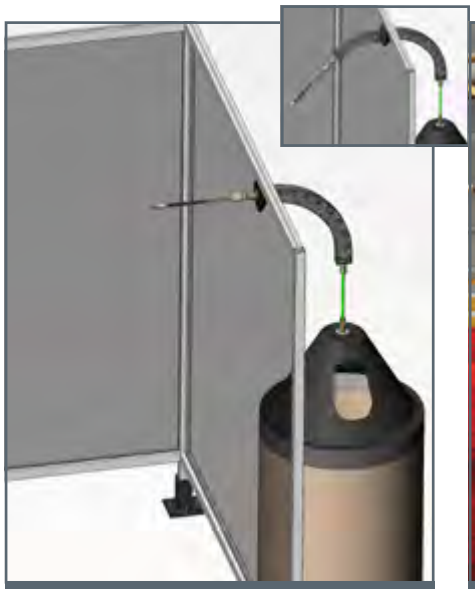


Crimped Wire Guide Cap

GUIDE MODULE® SYSTEM SAMPLE APPLICATIONS



Setup with Modules mounted on top of cell



Setup with Modules mounted on cell wall, saving valuable floor space



180° Modules installed on cell with two robots and the Non-Stop® Wire Dispensing System



GUIDE MODULE® FLEX

PROUDLY MADE

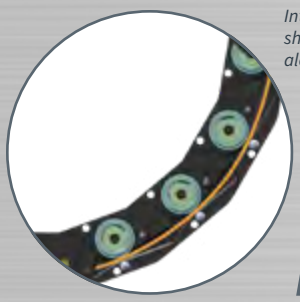
ELIMINATES EXCESS WIRE FRICTION IN HIGH MOBILITY WELDING APPLICATIONS!

Featuring the same innovative concept as the fixed radius Wire Wizard® Guide Modules, the **Guide Module® FLEX System** is designed especially for welding applications using a traversing axis, gantry or boom. The FLEX utilizes a series of rollers with bearings to eliminate skid friction on the wire, providing a smooth, consistent wire feed. Externally or internally mountable to select igus® e-chain® cable carrier systems. **Standard FLEX Modules** compatible with solid wires (ferrous or non-ferrous) 0.035 to 1/16" (0.9 – 1.6 mm). **Large FLEX Modules** compatible with steel wire 1/16" to 5/32" (1.6 – 4 mm), ideal for SAW applications. Patent pending design. See Submerged Arc catalog for more details.

Guide Module® FLEX system installed on igus® e-chain® cable carriers in a traversing robotic application.

ONLY 6 OZ OF PULL FORCE ON APPLICATION WITH 40 FT (12.2 M) OF CONDUIT & FLEX MODULES!

Pull test measured at the wire feeder with a delivery system consisting of 0.035 steel wire, 20 feet of EC-4-R conduit, and a 20 foot section of FLEX Modules.



Internal view showing path of wire along rollers.

GUIDE MODULE® FLEX SYSTEM

with mounting rails for applications on gantries or booms

Quick Disconnect A-4-ST or A-4-ST-I

End Cap Mounting Kit WGM-F-2-MK

Splice Kit WGM-F-2-SK

Mounting Channel WGM-F-2-017



Single FLEX Module

End Cap A

End Cap B

Standard Guide Module® FLEX Module Assembly

STANDARD GUIDE MODULE® FLEX PARTS & ACCESSORIES

All Guide Module® FLEX assemblies require end caps

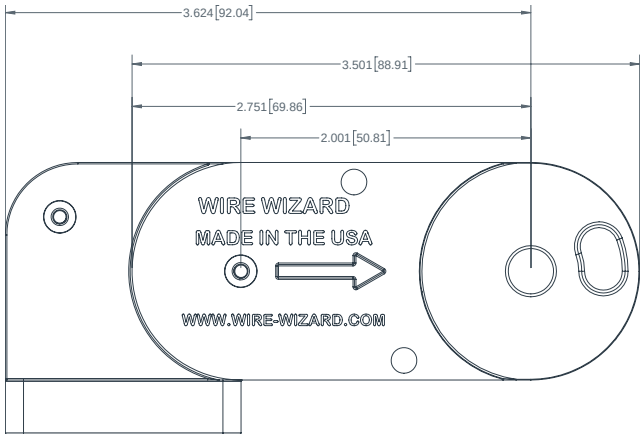
Part No.	Description
WGM-F-2-5	Guide Module® FLEX 5 ft (1.5 m) Section with polymer rollers
WGM-F-2-5-S	Guide Module® FLEX 5 ft (1.5 m) Section with steel rollers
WGM-F-2-10	Guide Module® FLEX 10 ft (3 m) Section with polymer rollers
WGM-F-2-10-S	Guide Module® FLEX 10 ft (3 m) Section with steel rollers
WGM-F-2-M	Guide Module® FLEX Individual Module (for custom lengths, approx. 6 = 1 ft)
WGM-F-2-ECK	Guide Module® FLEX End Cap Kit — includes both End Caps
WGM-F-2-017	Guide Module® FLEX Aluminum Mounting Channel, 4 ft (1.2 m) section
WGM-F-2-SK	Splice Kit for Connecting Mounting Channels
WGM-F-2-MK	End Cap Mounting Kit for Connecting FLEX Modules at the end of the channel
WGM-F-2-ECK-ADP	Adapter for Connecting WGM-F-2 FLEX to Stationary Guide Modules
WGM-SB-1	Mounting brace for single FLEX connection to WGM-M-1 Modules
WGM-SB-3	Mounting brace for three FLEX connections to WGM-M-1 Modules

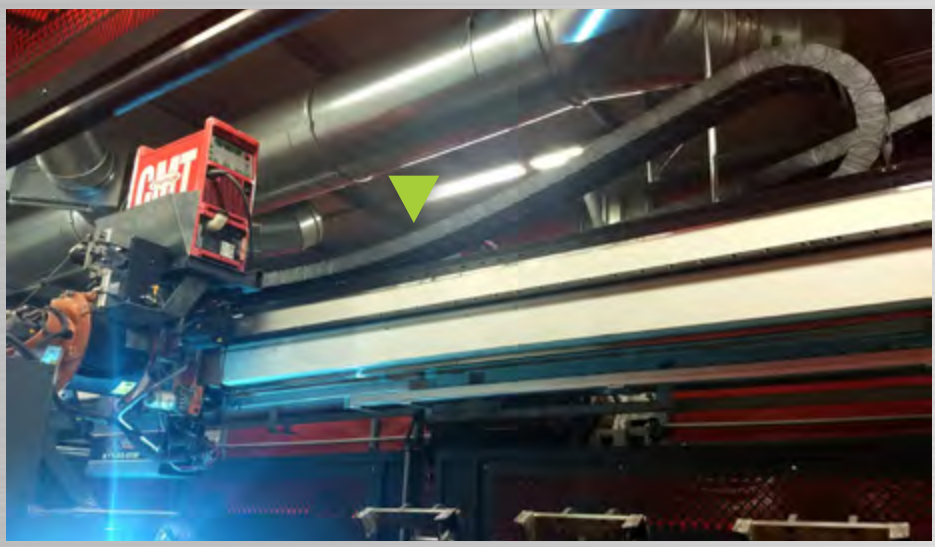
Additional lengths, sizes and components may be available, contact Customer Support or see website for details

GUIDE MODULE® FLEX DIMENSIONS

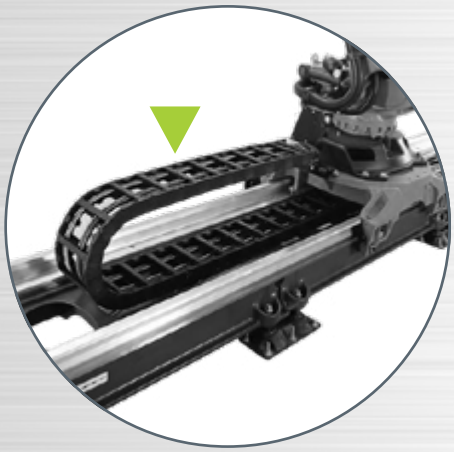
Use dimensions noted to determine length required for your application

STANDARD GUIDE MODULE® FLEX LINK & END CAP DIMENSIONS





FLEX Modules installed inside an igus® cable carrier with robot mounted on a linear track. Photo courtesy of PA Robotics.



Guide Module® FLEX installs internally or externally to select robotic cable carriers for smooth wire delivery.

NON-STOP® WIRE DISPENSING SYSTEM

A unique process joins the end wire from a used drum with the start wire of a new full drum. Both butt-welding* and flash removal operations take only seconds and the two wire ends may be joined during the welding cycle.

- **Eliminates downtime for wire changeover**
- No operator action needed — robots can continue to weld while the next full drum is being installed
- Designed for use with optional **Wire Pilot® Feed Assist and Wire Guide Modules**
- Works with one or two-station robotic cells (2 or 4 drums)
- Accepts any bulk wire packaging with the wire end at the top of drum
- Easy-to-use resistance Butt Welder (welds up to 0.078"/ 2 mm wire)
- Mountable to floor or wall (mounting holes included)
- Appropriate drum-handling carts available

SPECIFICATIONS
Dimensions will vary based on drum size

- **2 Drum Unit:** 47" W x 29" D x 7' H (1.2 m W x 0.74 m D x 2.13 m H)
- **4 Drum Unit:** 47" W x 55" D x 7' H (1.2 m W x 1.4 m D x 2.13 m H)

** Wire manufacturer must present wire end at top of dispensing drum to butt weld beginning and ending of wires. Call Customer Support for information.*



ACCESSORIES



Wire Gauge Block
WGB
For 0.035", 0.045", 0.052", and 0.062" wire (included with docking station)



Wire Parters
BW-WP
Leaves flat wire ends for easy butt-welding



Wire Sizer
Order by wire size
Removes burr in wire joint for smooth feeding

WATCH VIDEO

Non-Stop® Wire Dispensing System with two stations
NSW-20.4F-18-B2
Shown with optional Butt Welder Docking Station. Docking Station includes Butt Welder, Wire Parters and Wire Gauge Block. Wire Sizer sold separately.

NON-STOP® WIRE DISPENSING SYSTEMS & ACCESSORIES

Part No.	Description
NSW-20.4F-18B-2	2-Station System for 20.4" (518 mm) Ø Drums (1-Torch)
NSW-20.4F-18B-4	4-Station System for 20.4" (518 mm) Ø Drums (2-Torch)
NSW-23.1F-18B-2	2-Station System for 23.1" (587 mm) Ø Drums (1-Torch)
NSW-23.1F-18B-4	4-Station System for 23.1" (587 mm) Ø Drums (2-Torch)
NSW-26F-18B-2	2-Station System for 26" (660 mm) Ø Drums (1-Torch)
NSW-26F-18B-4	4-Station System for 26" (660 mm) Ø Drums (2-Torch)
NSW-SC24-18B-2	2-Station System for 1,000 lb (453 kg) Accu-Pak Drums (1-Torch)
NSW-SC24-18B-4	4-Station System for 1,000 lb (453 kg) Accu-Pak Drums (2-Torch)
NSW-OC23.5-18B-2	2-Station System for 23.5" (597 mm) Octagon Drums (1-Torch)
NSW-OC23.5-18B-4	4-Station System for 23.5" (597 mm) Octagon Drums (2-Torch)
NSW-1-2-29-18B	2-Station System for 29" (737 mm) Square Drums (1-Torch)
WGM-NSW-SW-18	Wire Guide Module® Swivel Kit Adapter (allows 360° rotation)
NSW-BW-DS-R13	Butt Welder Docking Station (110 V)

Part No.	Description
NSW-BW-DS-220EU-R13	Butt Welder Docking Station (220 V European)
NSW-BW-WS-035	Wire Sizer for 0.035" (0.9 mm) wire*
NSW-BW-WS-040	Wire Sizer for 0.040" (1.0 mm) wire*
NSW-BW-WS-045	Wire Sizer for 0.045" (1.2 mm) wire*
NSW-BW-WS-052	Wire Sizer for 0.052" (1.3 mm) wire*
NSW-BW-WS-062	Wire Sizer for 0.062" (1.6 mm) wire*
NSW-BW-WS-078	Wire Sizer for 0.078" (2 mm) wire*
NSW-BW-WS-1	Wire Sizer without dies* (must specify wire size when ordering)
BW-WP	Wire Parters (included on butt welder docking station)
WGB	Wire Gauge Block (included on butt welder docking station)
NSW-PFA-AK-13	Wire Pilot® Feed Assist Mounting Adapter (includes liner)
NSW-BLA	Drum alignment locator with drum straps

** Wire Sizer replacement dies available. Contact Customer Support for more information.*

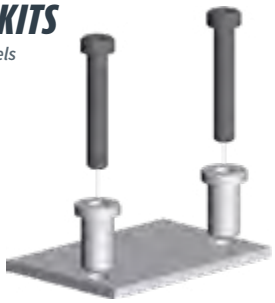
WIRE STRAIGHTENERS

Wire Wizard® manufactures four models of wire straighteners that can be used to straighten or recast all types of wire. The main body is constructed of aluminum, making our straighteners some of the lightest in the market. All models are equipped with a locating calibration on the face of the unit and a fine adjustment scale on the tension knob. This results in an extremely fast and accurate setting of wire cast. Our full range of fittings and inlet guides guarantee a trouble-free fit for any application.

INSULATED MOUNTING KITS

Available for all models

WSS-100-IK *Small*
WSM-100-IK *Medium*
WSL-100-IK *Large*



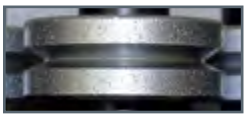
SMALL WIRE STRAIGHTENERS

WSS-100 and WSS-100-A
For wire sizes 0.035 – 0.062
*(Order **WSS-100-A** for aluminum wire)*

- Dimensions: 3.74" W x 3" H x 1.63" D (95 mm W x 78 mm H x 41.3 mm D)
- Weight: 1 lb (0.45 kg)



WSS-100 *U-Groove Drive Rolls for steel wire*



WSS-100-A *V-Groove Drive Rolls for aluminum wire*

NON-THREADED FITTINGS* / THREADED FITTINGS*

STEEL WIRE
Connection to disconnect, on feeder or in-line



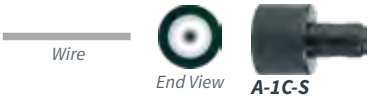
A-1QD-12

ALUMINUM WIRE
Connection to disconnect, on feeder or in-line



A-1QD-5/32 *and* ***A-4L-H*** *liner*

STEEL OR ALUMINUM WIRE



Wire — *End View* — ***A-1C-S*** *Delrin with ceramic inlet*

** Fittings may be used as inlets or outlets depending on setup*



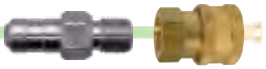
Steel Wire Straightener
WSS-100
- or -
Aluminum Wire Straightener
WSS-100-A

STEEL WIRE



A-1LN-S-12 — ***A-3*** *Quick Disconnect*

ALUMINUM WIRE



A-1LN-S-5/32 *and* ***A-4L-H*** *liner* — ***A-3*** *Quick Disconnect*



A-1H-B *Adapter for dual wire straighteners*

Replacement Wheel Kits: WSS-100-WHEEL (standard) or WSS-100-A-WHEEL (aluminum wire model)

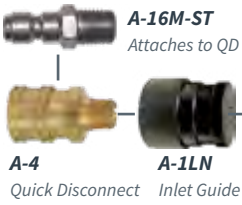
MEDIUM WIRE STRAIGHTENER

WSM-100
For wire sizes 0.062 – 3/32" (1.6 – 2.4 mm)

- Dimensions: 5.71" W x 3.34" H x 1.875" D (145 mm W x 84.7 mm H x 47.63 mm D)
- Weight: 1.75 lbs (0.8 kg)

FITTINGS FOR WSM-100

Order **A-1LN-K** for Inlet/Outlet Kit (includes two A-1LNs)



A-16M-ST *Attaches to QD*

A-4 *Quick Disconnect* — ***A-1LN*** *Inlet Guide*



LWS-1 *Adapter for connection to Lincoln Feeder or to combine two WSM-100 Straighteners*

Replacement Wheel Kit: WSM-100-WHEEL

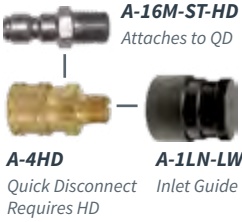
LARGE WIRE STRAIGHTENER

WSL-100
For wire sizes 3/32 – 5/32" (2.4 – 4 mm); ideal for heavy duty SAW applications

- Dimensions: 8.66" W x 4.09" H x 2.25" D (220 mm W x 103.8 mm H x 57.2 mm D)
- Weight: 4 lbs (1.8 kg)

FITTINGS FOR WSL-100

Order **A-1LN-K-LW** for Inlet/Outlet Kit (includes two A-1LN-LWs)



A-16M-ST-HD *Attaches to QD*

A-4HD *Quick Disconnect Requires HD male fittings* — ***A-1LN-LW*** *Inlet Guide*



WS-10S *Outlet Adapter for Lincoln Electric Feeder models 10S, NA-3 and NA-5. Includes ceramic inlet.*

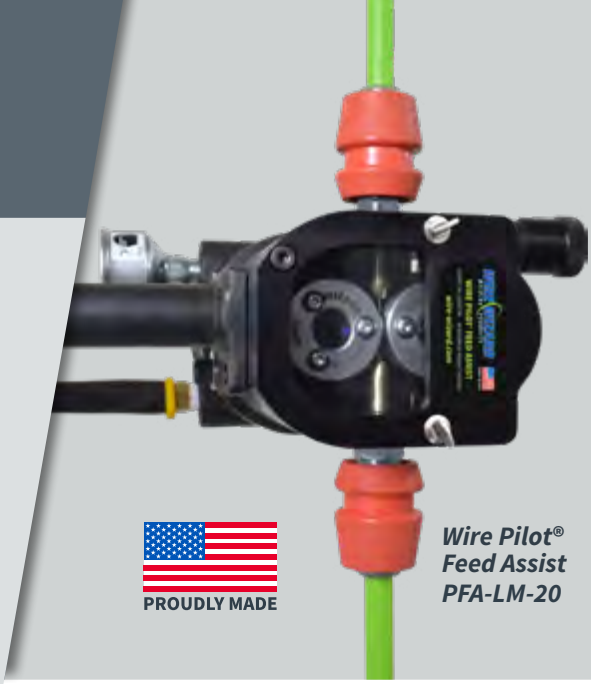
Replacement Wheel Kit: WSL-100-WHEEL

WIRE PILOT® FEED ASSISTS

WIRE PILOT® PNEUMATIC WIRE FEED ASSIST

The **Wire Pilot® Pneumatic Feed Assist** provides an economical way to help the wire feeder move wire through the conduit in applications where there must be minimal friction, travel a long distance or where the workload on the wire feeder must be reduced. When combined with Guide Modules, it allows the ultimate flexibility when it comes to wire delivery and **wire packages can be located 150 ft (46 m) or more away from the arc**. Using only compressed air, the Feed Assist easily relieves several pounds of pulling force from the feed motor. Adjustable torque setting **prevents "bird nesting,"** commonly occurring in aluminum or light wire applications. Compatible with ferrous and non-ferrous wire. Patented design.

- **Eliminates drag coefficient inside the conduit**
- Provides "Push-Pull" system to get wire from source to the feeder
- Extends conduit life and increases arc-on time
- Enables longer conduit runs (150 ft/46 m+), enabling centrally located wire packages as well as allowing the use of bulk wire in many applications that would normally require small spools
- Prevents burn backs caused by wire feeding problems
- Solves many feeding issues with large diameter wire used for SAW



PROUDLY MADE

Wire Pilot® Feed Assist PFA-LM-20



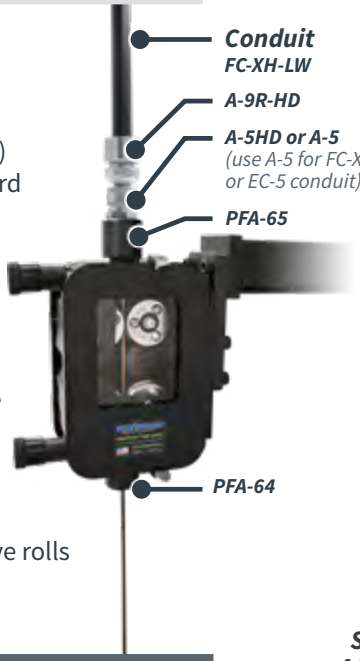
Spool option
WGM-PFA-STAND-SPOOL
For use with WGM-PFA-STAND.



Extension Arm
PFA-WM-EA
Fits any Feed Assist Model.

DUAL DRIVE FEED ASSIST *PFA-DD*

The new Dual Drive Wire Pilot® Feed Assist is designed to handle large wire up to 3/16" (4.8 mm) and extra-long distance applications using standard size MIG wires. This heavy duty model features four drive rolls (sold separately) and additional torque to provide more power to effortlessly deliver wire to the feeder.



- Ideal solution for submerged arc welding applications using 1/16" (1.6 mm) and larger wire
- Utilizes same mounting pattern as the PFA-LM-20 Feed Assist and may be mounted to the same adjustable stands and brackets
- Compatible with standard Wire Feed Assist drive rolls

RECOMMENDED MODELS BY WIRE SIZE & LENGTH OF WIRE DELIVERY RUN

Length	Feed Assist Model
0.030 – 1/16" (0.8 – 1.6 mm) wire	PFA-LM-20
1/16 – 3/16" (1.6 – 4.8 mm) wire	PFA-DD



PFA Drive Rolls
Various size options
*All PFA drive rolls are **hard chromed and polished** for maximum performance and durability. Sold individually.*



Adjustable Stand for up to 4 Drums, Spools or Wood Reels
WGM-PFA-STAND
Adjusts to 86" (2.2 m); includes 1 arm (additional arms sold separately)

WIRE PILOT® FEED ASSIST & ACCESSORIES

Part No.	Description
PFA-LM-20	Wire Pilot® Feed Assist with open enclosure, includes PFA-FRL Filter/Regulator/Lubricator
PFA-DD	Wire Pilot® Dual Drive Feed Assist for Large Wires, includes PFA-FRL Filter/Regulator/Lubricator
A-5	Inlet/Outlet Quick Disconnect (insulator U-005 sold separately) for PFA-65
A-1B-C	Inlet Guide with Quick Disconnect for PFA-LM-20
PFA-64	Large Wire Inlet Guide with Ceramic Inlet for PFA-DD
PFA-34	Inlet Guide with 3/8"-18 NPS-F threads (connects to A-4HD disconnect) for PFA-LM-20
PFA-35	Inlet Guide with Ceramic Inlet for PFA-LM-20
PFA-65	Inlet/Outlet Guide for PFA-DD, 1/2" NPS-F; two included with each PFA-DD Feed Assist
PFA-DA	Drum Adapter for PFA-LM-20
WGM-PFA-STAND	Adjustable Wire Pilot® Feed Assist Stand for Drums or Spools
WGM-PFA-STAND-ARM	Additional Arm for Wire Pilot® Feed Assist Stand
WGM-PFA-STAND-SPOOL	Wire Spool Holder for Wire Pilot® Feed Assist Stand
WGM-PFA-AK	Wire Pilot® Guide Module® Mounting Adapter (for PFA-LM-20 or older PFA-LM model)
WGM-PFA-AK-15	Wire Pilot® Guide Module® Mounting Adapter (for PFA-LM-15 models only)
WGM-PFA-SW	Wire Pilot® Swivel Kit for Wire Guide Modules (for PFA-LM-20 or older PFA-LM model)
WGM-PFA-SW-15	Wire Pilot® Swivel Kit for Wire Guide Modules (for PFA-LM-15 models only)
PFA-SK	24-volt Pneumatic Solenoid with Cable
PFA-RK	Wire Retract Kit for Reversing Wire Feed (24 V)
PFA-WM-EA	Wire Pilot® Pivoting Extension Arm Bracket (includes wall mount)
PFA-LM-BGA	Replacement Gear Assembly for Bail Side of Feed Assist (for PFA-LM-20 or PFA-LM models)
PFA-LM-DGA	Replacement Drive Gear Assembly for Feed Assist (for PFA-LM-20 or PFA-LM models)

WIRE PILOT® FEED ASSIST DRIVE ROLLS

Part No.	Description
PFA-DR-035	Feed Assist Drive Roll for 0.035" (0.9 mm) wire
PFA-DR-045	Feed Assist Drive Roll for 0.045" (1.2 mm) wire
PFA-DR-052	Feed Assist Drive Roll for 0.052" (1.3 mm) wire
PFA-DR-1-16	Feed Assist Drive Roll for 1/16" (1.6 mm) wire
PFA-DR-5-64	Feed Assist Drive Roll for 5/64" (2.0 mm) wire
PFA-DR-3-32	Feed Assist Drive Roll for 3/32" (2.4 mm) wire
PFA-DR-1-8	Feed Assist Drive Roll for 1/8" (3.2 mm) wire
PFA-DR-5/32	Feed Assist Drive Roll for 5/32" (4.0 mm) wire
PFA-DR-3/16	Feed Assist Drive Roll for 3/16" (4.8 mm) wire



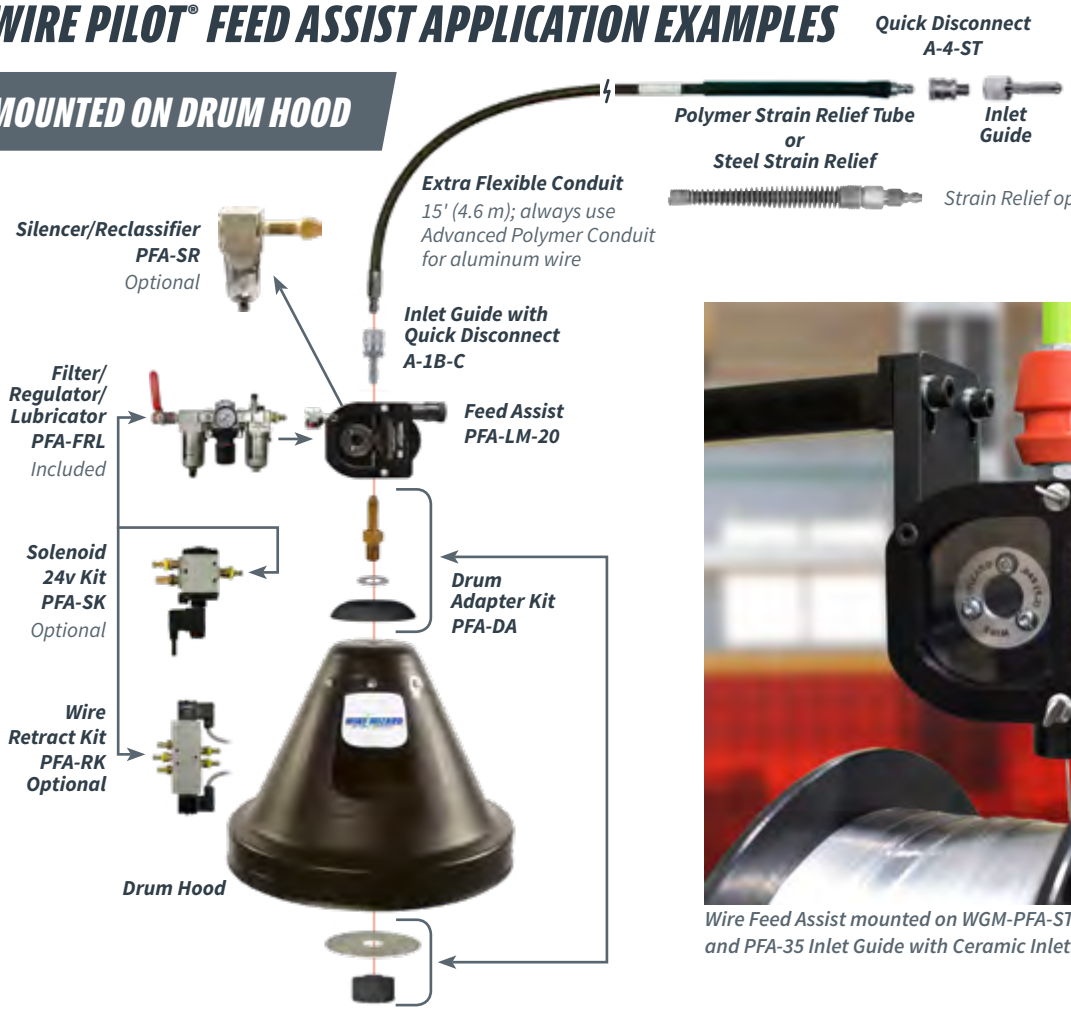
Wire Feed Assist installed in a robotic gantry application.



Tandem Wire Feed Assists Installed on a Mechanical Turn Table.

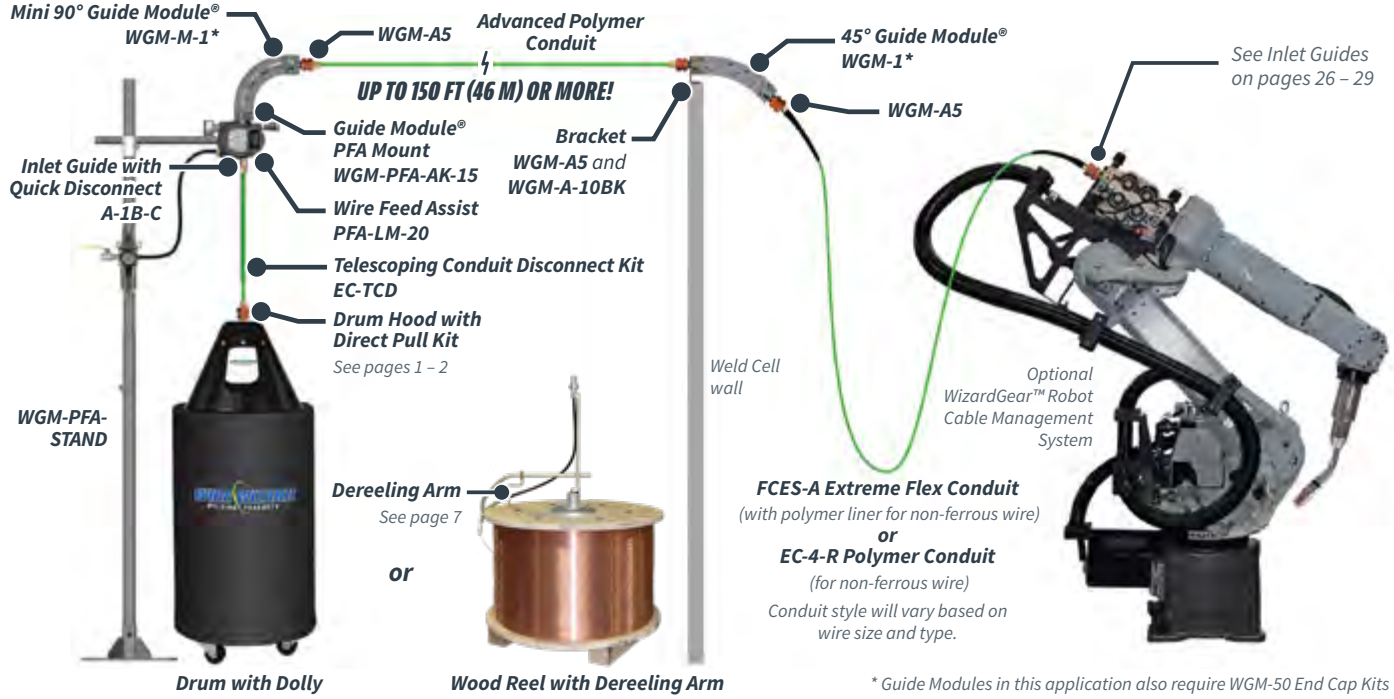
WIRE PILOT® FEED ASSIST APPLICATION EXAMPLES

MOUNTED ON DRUM HOOD



Wire Feed Assist mounted on WGM-PFA-STAND with spool of aluminum wire and PFA-35 Inlet Guide with Ceramic Inlet.

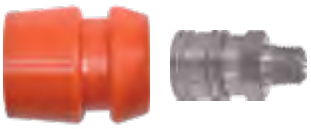
MOUNTED ON WGM-PFA-STAND *Long distance wire feeding application*



** Guide Modules in this application also require WGM-50 End Cap Kits*

QUICK DISCONNECTS & INLET GUIDES

QUICK DISCONNECTS



Quick Disconnect Insulator
U-005
Fits all disconnects except A-4HD and A-5HD



A-4-ST or A-4-ST-I *(inc. U-005)*
1/4" NPT-M
*Use with Standard Inlet Guide (for brass, request **A-4** or **A-4-I**)*



A-5
1/2" NPS-M

A-5HD
1/2" NPS-M (for -LW or -HD connectors)



A-5FRO
Includes M20 threads (for some Fronius® feeders)



A-1A-B
3/8" clearance for Miller® inlet guides



A-3
*1/4" NPT-F**
** See page 29 for thread options*

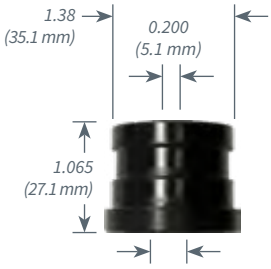


A-4S
1/2" – 20 (Nut/Washer included)

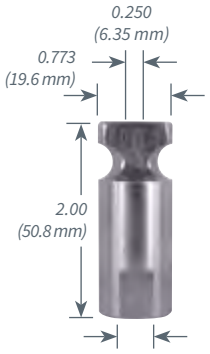


A-4HD
3/8" NPT-M (for -LW or -HD connectors)

STANDARD INLET GUIDES



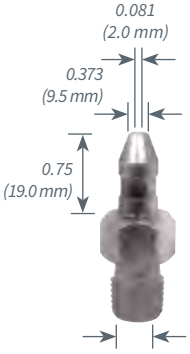
A-1LN *(Delrin)*
A-1LN-A *(Aluminum)*
Lincoln Electric®



A-1PA
Panasonic®



A-10TC
OTC®/Daihen®



PAWFS-12
Miller® (75)



*Use **A-4-ST** (1/4" NPT-M) with fittings above for quick disconnect capability or (brass **A-4** quick disconnect also available)*



A-3
1/4" NPT-F



Fixed Mount Direct Pull Kit
WWTT-DP
Includes Ceramic Inlet Guide. Use WWTT-DP-LW for larger wires over 5/64" (2mm). Not for use for drum hoods (use part # WWDP).

INLET GUIDES WITH QUICK DISCONNECTS

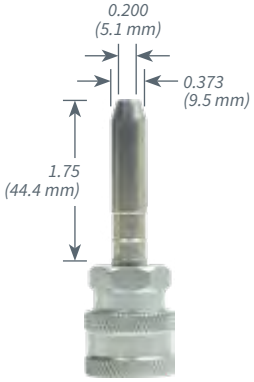
- For wire feeder and straightener applications
- Provides trouble-free interface of connections
- Quick disconnects feature eight retainer bearings



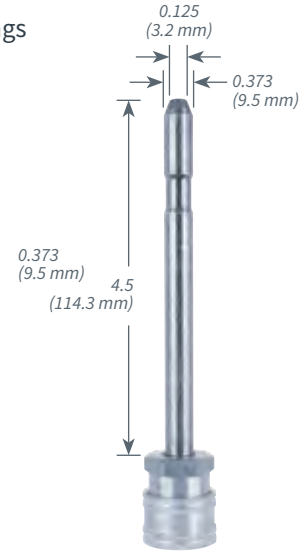
U-005
Optional Quick Disconnect Insulator



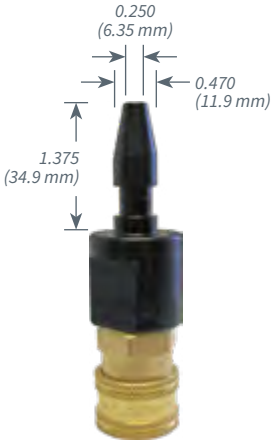
A-1A
0.373 (9.5 mm) Probe



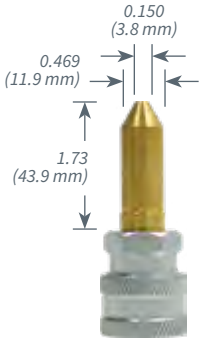
A-1A-C
0.373 (9.5 mm) Probe
Miller Wire Feeder



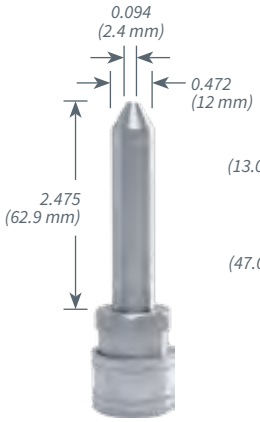
A-1A-4.5
0.373 (9.5 mm) Probe
Miller Series 74
Wire Feeder



A-1LN-23A
Lincoln Wire
Feeder



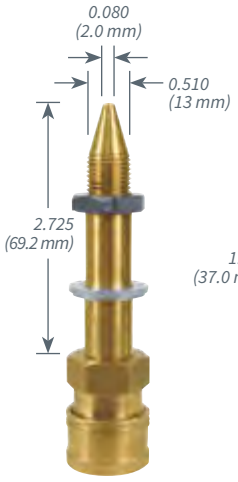
A-1LN-23B
Lincoln Wire
Feeder



A-2SKS
SKS



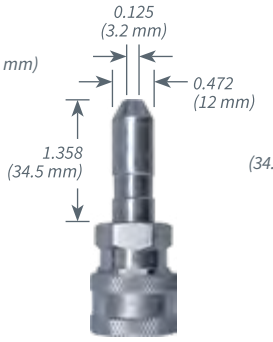
A-1FRO
Fronius Feeder



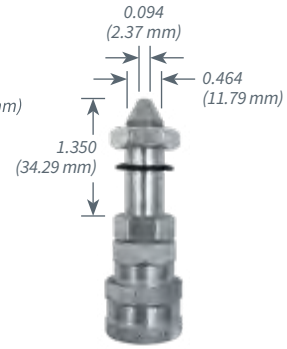
A-2FRO
Fronius Feeder



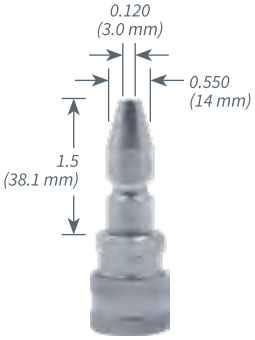
A-2PA-QD
Panasonic
Wire Feeder



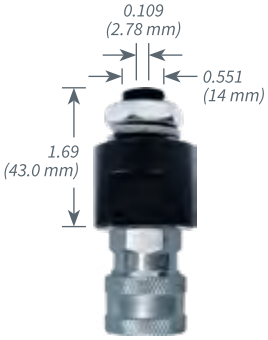
A-1CL
Cloos



A-1YAS
Yaskawa
YWE-WFR42DX2



A-1OTC-FX
OTC



A-1E-A
ESAB RoboFeed
3004 Series

CONNECTOR LINERS

- Designed to line steel connectors when using aluminum and other non-ferrous metal wires
- Non-metallic to prevent abrasion and contamination



A-4L-H *0.09 (2.3 mm) ID EC-1*

ADAPTERS FOR FEEDER INLET GUIDES

Configurations shown are just for demonstration purposes only. Please refer to the **Cross-Reference Chart** on page 29 for a complete parts listing for your particular wire feeder.

UNIVERSAL INLET KIT *A-1AK*

- Five piece kit includes A-1A probe and four A-7 phenolic adapter bushings for stable and durable performance
- Will support the use of a variety of wire feeders



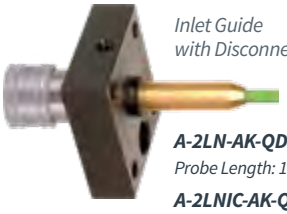
A-1A
with .373 (9.5 mm) Diameter Probe

0.375 ID (9.5 mm) x 0.5 OD (12.7 mm)
0.375 ID (9.5 mm) x 0.625 OD (15.9 mm)
0.625 ID (15.9 mm) x 0.75 OD (19 mm)
0.625 ID (15.9 mm) x 0.875 OD (22.2 mm)

Phenolic Adapter Bushings A-7

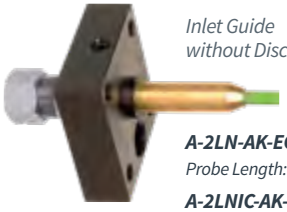
LINCOLN SERVO INLET GUIDES

- Designed for use with Lincoln Servo Torch
- Ideal for all **aluminum and steel** applications
- Inlet guide connects to **Polymer** or **Extra Flexible** conduit



Inlet Guide with Disconnect

A-2LN-AK-QD
Probe Length: 1.06" (27 mm)
A-2LNIC-AK-QD
Probe Length: 0.834" (21 mm)



Inlet Guide without Disconnect

A-2LN-AK-EC4
Probe Length: 1.06" (27 mm)
A-2LNIC-AK-EC4
Probe Length: 0.834" (21 mm)

TWIN-WIRE HYPERFILL® INLET GUIDE FOR LINCOLN ELECTRIC® AUTODRIVE® 4R-220 WIRE FEEDER *A-1LN-TW*

- Includes ceramic outlet to eliminate wire friction
- Compatible with wire sizes up to .052 (1.3mm)
- Requires the HyperFill® Feeder Kit

Ceramic outlet eliminates wire friction



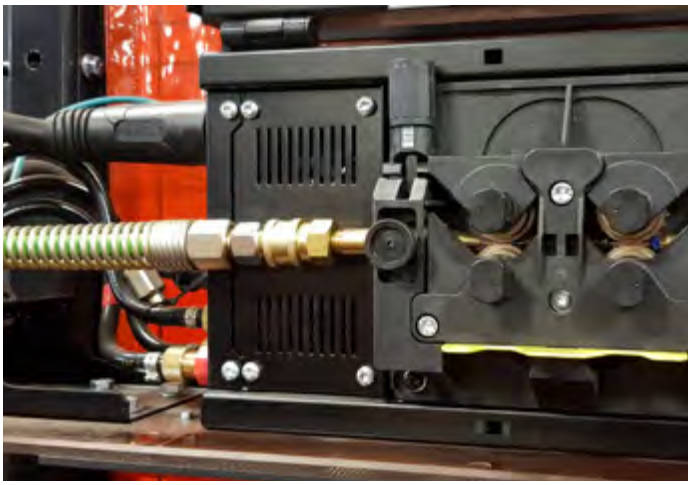


SKS FEEDER ADAPTER *A-1SKS*



Probe with Quick Disconnect
A-1A-4.5

SKS Feeder
A-1SKS





Wire Wizard® inlet guides, conduit and Wire Guide Modules were installed in this optimized wire delivery setup with wire feeders mounted in a fixed position outside the weld cell.

FEEDER INLET CROSS-REFERENCE CHART

Please verify inlet guide measurements prior to ordering

Feeder Manufacturer	Feeder Type	Wire Wizard® Inlet Guide P/N
CEA S.p.A.	ALL	A-1AK
Cebora S.p.A.	ALL	A-4S
CK Systematics	MP175 and S4165	A-4S
Cloos	Most Models	A-1CL
Cybo Robotics	Most Models	A-4S
ESAB	ALL (except 4-48)	A-1AK
	4-48	A-2E and A-4-ST
	Aristo 30 Series	A-4S
	RoboFeed 3004 Series	A-1E-A
Fronius	Feeder with Set Screw	A-1FRO
	Feeder with Stripped Set Screw	A-2FRO
	SB 500i	A-5FRO
	VR1550	A-1FRO-VR
	WF-25; Reel 4R	A-5FRO
Hobart	Models with 3/4"-16 Thread	A-1A and A-22
	Series 27	A-4-ST
		A-1A, A-1A-4.5
Kobelco	Male Threaded Inlet 1/2"-20	A-3QDF-3
Lincoln Electric	4R100 and 4R220	A-1LN and A-4-ST
	74 HT Flex Feed	A-1LN and A-4-ST
	84M	A-1LN and A-4-ST
	DLF-82	A-1LN and A-4-ST
	LN-7, LN-9, and LN-25	A-1A
	LN-8	A-4-ST
	LF-72	A-1LN and A-4-ST
	LF-74	A-1LN-EK
	MAXsa 22	A-2LN-10S and A-4HD
	MAXsa 29	A-1LN-LW and A-4HD (for large wire) or A-1LN and A-4-ST
	PF Series, inc. PowerFeed® 84	A-1LN and A-4-ST
	Power MIG / Power Wave	A-1LN and A-4-ST
	Series 10 (10M, DH-10, LN-10)	A-1LN and A-4-ST
	Servo Torch	A-2LN-AK-QD

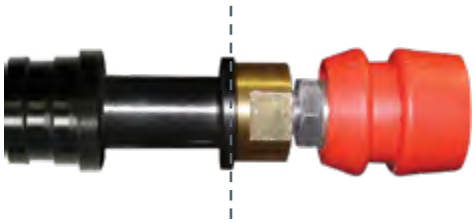
Feeder Manufacturer	Feeder Type	Wire Wizard® Inlet Guide P/N
Miller	22A and 24A	A-1AK
	Auto Axcess / 50, 60, 70 Series	A-1A-C
	Continuum	A-1A-C
	Intellx®	A-1A-C
	RAD 400	A-1LN-S-12
	Series 74 and R115* *Measure required probe length prior to ordering	A-1A-4.5 or A-1A-C
	Series 75	PAWFS-12 and A-3
MK Products	Cobramatic	A-1AK
Motoman	Female Inlets	A-1A or A-1A-C
	Male Threaded Inlets	A-3QDF-3
OTC/Daihen	AF-4001	A-3QDF-2
	AF-4012	A-10TC-FX
	CM-743U	A-1OTC-FX
	CM-741U	A-1OTC-FX
	D Series	A-3QDF-4
	FX Style	A-1OTC-FX
	Male Threaded Inlet 7/16"-20	A-3QDF-2
	Male Threaded Inlet 9/16"-18	A-3QDF-4
	OTC	A-1OTC and A-4-ST
	OTC CM743U	A-1OTC-FX
	WF-2S Dual Feed	A-1OTC-FX
Panasonic	Female Inlet: .77 OD (19.6 mm)	A-1PA and A-4-ST
	Female Inlet: .57 OD (14.5 mm)	A-2PA-QD
	Male Threaded Inlet	A-3QDF-4
Pow Con	Most Models	A-1AK
SKS	Most Models	A-2SKS
	Older Models	A-1SKS and A-1A-4.5
Yaskawa	YWFR-42-DX2	A-1YAS

This table is intended for the use of Wire Wizard® customers and is provided from relevant information supplied by feeder manufacturers or their distributors who, at their discretion, reserve the right to alter product specifications or features without notice. Every effort has been made to ensure the information presented is accurate and current. If you should require further assistance please contact ELCo Enterprises, Inc.

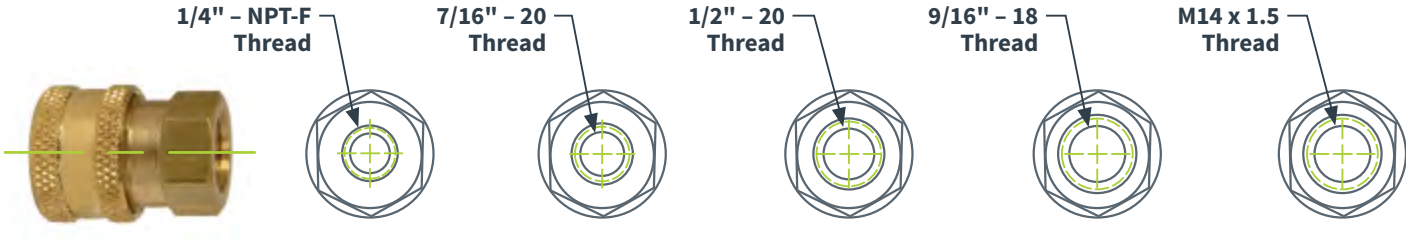
LINCOLN ELECTRIC® LF-74 FEEDER INLET GUIDE EXTENSION KIT

A-1LN-EK

- Extends connection to the disconnect at the feeder
- Kit includes A-1LN inlet guide, extension adapter and quick disconnect with insulator



FEMALE THREADED QUICK DISCONNECT REFERENCE FOR INLET GUIDES



A-3 ***A-3*** ***A-3QDF-2*** *OTC* ***A-3QDF-3*** *Motoman Kobelco* ***A-3QDF-4*** *Panasonic Diahen* ***A-3QDF-5***

WIZARDGEAR® CABLE MANAGEMENT

WIZARD GEAR® CABLE MANAGEMENT

ROBOT CABLE MANAGEMENT KITS

The **WizardGear®** line of robot cable management kits provide organization, support and protection for all lines and cables attached to robots. Protect cables from damage that can cause unnecessary downtime and costly repairs. Using zip ties or other poor methods of attachment can even void the warranty on your control cables. **Kits with welding cable feature PowerBall® energy efficient cable and consolidated copper lugs.**

- **Provides organization, support and protection** for all lines and cables attached to robots
- Protects cables from damage that can cause unnecessary downtime and costly repairs
- Kits available for Fanuc®, Kuka® and Kawasaki® robots
- **Approved by Fanuc®** for securing and protecting control cables — other attachment methods may void cable warranty
- Custom cable management systems can be developed for other robot models, contact Customer Support for details



Base Bracket with Insulated Power Lug Connection

Deluxe Cable Management Kit for Fanuc® 100iD Robots
CM-F-1-ID

Cable management kits are currently available for the following robot models:

Fanuc® ARC Mate
- 100iD
- 120iD

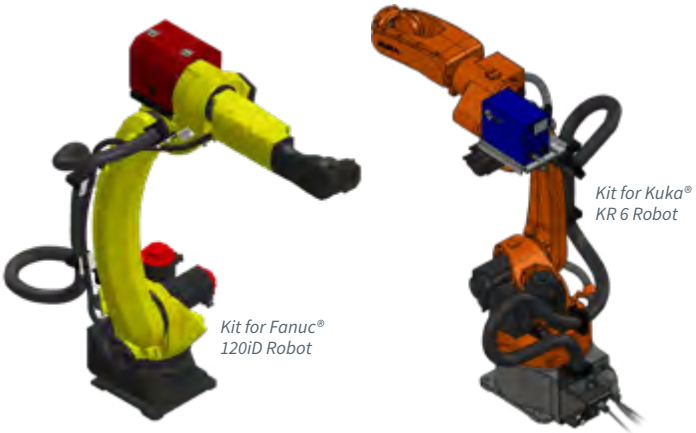
Kawasaki®
- BA006L
- BA013L
- RS010L

Kuka®
- KR 8 R1440-2 Arc HW
- KR 6 R2010-2 Arc HW

SCAN HERE TO VIEW AVAILABLE KITS & OPTIONS

THE TOTAL PACKAGE TO ELIMINATE DOWNTIME DUE TO CABLE DAMAGE!

Kits include spatter resistant protective tubing system, clamps, brackets, mounting hardware, and optional welding cable (3/0 or 4/0). Compatible with most wire feeders.



Kit for Fanuc® 120iD Robot

Kit for Kuka® KR 6 Robot

POWER UP WITH THE POWERBALL® POWER CABLE!



WizardGear® kits feature patented PowerBall® cables with ultrasonically welded lugs for maximum energy efficiency and durability.

RETRACTABLE CONDUIT/ CABLE BALANCERS & HANGERS

- Balancer provides easy method of hanging conduit and cables
- Conduit Hanger prevents excess droopage
- Prevents cables from hanging in areas prone to damage
- Hangers feature velcro straps to secure cables and conduit



Part No.	Description
RCH-H	Conduit Balancer — Load: 2 – 4½ lbs (1 – 2 kg)
RCH-5-13	Conduit Balancer — Load: 5 – 13 lbs (2.3 – 6 kg)
RCH-11-19	Conduit Balancer — Load: 11 – 19 lbs (5 – 8.6 kg)
RCH-22-27	Conduit Balancer — Load: 22 – 27 lbs (10 – 12.2 kg)
RCH-22-27-SH	Conduit Balancer with Shock Stop — Load: 22 – 27 lbs (10 – 12.2 kg)
RCH-SH	Shock Stop Kit (only compatible with -SH models)
CHH-10	10" (254 mm) Conduit Hanger with two Retaining Straps
CHH-22	22" (559 mm) Conduit Hanger with four Retaining Straps

Heavy Duty Balancers with Shock Stop
-SH
Prevents cable damage often caused by over-tensioning

Balancers
Several models available, light duty (left) and heavy duty (right)

Conduit Hanger
Two sizes available



CONDUIT & CABLE SLEEVES

Constructed from Kevlar® with a spatter-resistant silicon coating, Wire Wizard® conduit and cable sleeves provide the maximum degree of protection inside the weld cell.

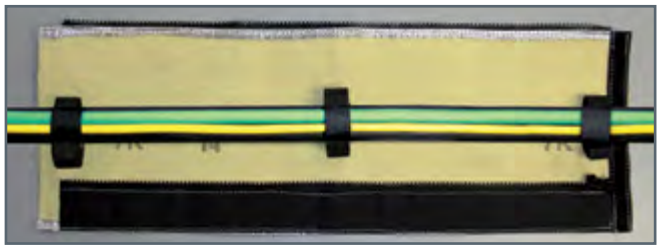
- Protects and secures conduit, control cables, cooling lines, gas lines, hydraulic hoses and other lines connected to robots
- Two I.D. sizes available — 2" (51 mm) and 4" (102 mm) in 1, 2, 3 and 4 ft (305, 610, 914 and 1219 mm) lengths
- Velcro ends can be chain linked together
- Sleeve ends accept nylon tie straps
- Zipper + Velcro enclosure

Part No.	Description	Length
KCS-2-12-S	2" Sleeve (51 mm) I.D.	1 ft (305 mm)
KCS-2-24-S	2" Sleeve (51 mm) I.D.	2 ft (610 mm)
KCS-2-36-S	2" Sleeve (51 mm) I.D.	3 ft (914 mm)
KCS-2-48-S	2" Sleeve (51 mm) I.D.	4 ft (1.2 m)
KCS-4-12-S	4" Sleeve (102 mm) I.D.	1 ft (305 mm)
KCS-4-24-S	4" Sleeve (102 mm) I.D.	2 ft (610 mm)
KCS-4-36-S	4" Sleeve (102 mm) I.D.	3 ft (914 mm)
KCS-4-48-S	4" Sleeve (102 mm) I.D.	4 ft (1.2 m)



Silicon Coated Sleeve





Open sleeve showing velcro and zipper enclosure

TORCH WIZARD® NOZZLE CLEANING STATIONS

ROBOTIC NOZZLE CLEANING STATIONS

Torch Wizard® Automatic Robotic Nozzle Cleaning Stations assist in maintaining quality and productivity in MIG welding cells by quickly and efficiently removing spatter build-up in the gas nozzle. The SC models feature a **self-cleaning air blast to clean spatter and other debris** from the blade and air motor. Anti-spatter is applied evenly to the nozzle and tip through an isolated compartment, eliminating wet debris build-up on the reamer blade and motor. **Two year warranty with exclusive use of Blue Magic®/Blue Chill® anti-spatter.**

- **Extends torch consumable life by removing spatter build-up**
- **IO-Link or Ethernet option** for connectivity in modern robotic weld cells
- **Integrated air blast for automated cleaning of spatter and debris** from the reamer motor, reducing downtime for maintenance (on SC models)
- **Multi-station bulk anti-spatter dispensing** ability standard on all models
- No circuit boards and fewer moving parts means **more reliable operation and lower maintenance costs**
- **High torque motor** prevents stalls, reducing downtime
- Adjustable v-block with four points of contact on the nozzle
- **Enclosed operating environment** keeps weld cell clean
- Easy-open covers provide quick access to internal components
- **TiN coated reamer blades** offer efficiency and longevity
- **Automated self-diagnostics and maintenance mode**
- Pneumatic Wire Cutters and Tool Center Point Adapters available

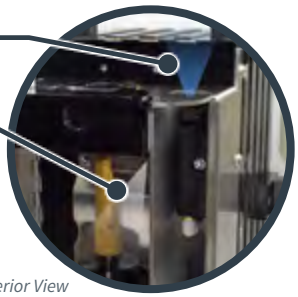
Note: *Each base unit requires a reamer blade (based on I.D. of gas nozzle being used) and power/control cable. Required FRL is available for purchase.*



Torch Wizard® Robotic Nozzle Cleaning Station
EL-NCS-AC-24-SC
With optional TCP mount

35 for full parts list

NOW WITH **IO-Link** *CAPABILITY*

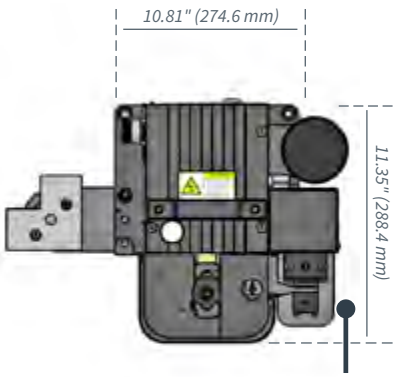


Integrated air blast for automated cleaning of spatter and debris!

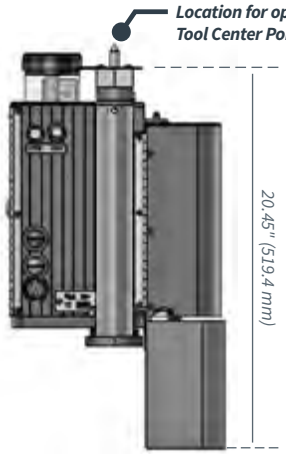
Interior View



TOP VIEW



SIDE VIEW



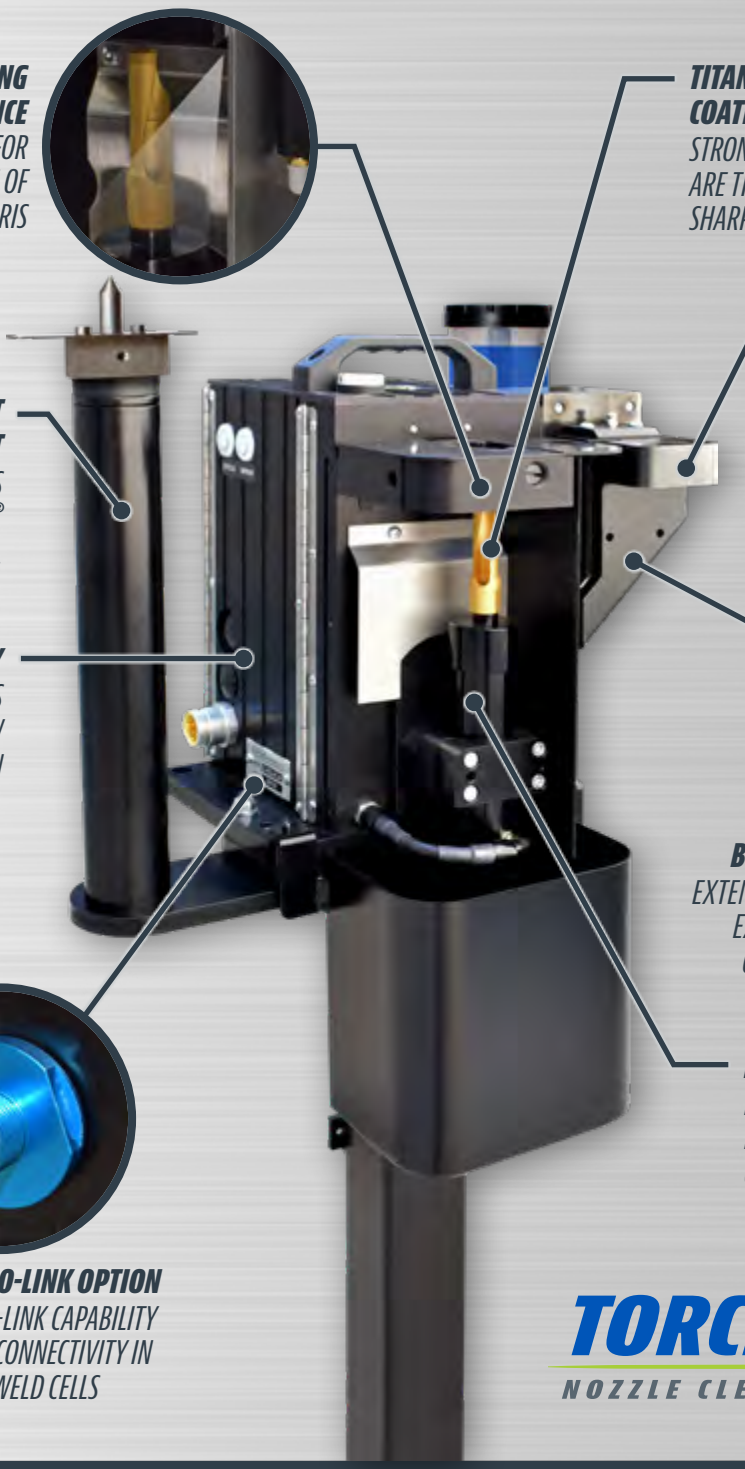
QUICK ACCESS MAINTENANCE PANEL

Dual-hinged panel in rear of unit provides full accessibility for easy maintenance.

RELIABLE PERFORMANCE FOR MAXIMUM WELDING PRODUCTIVITY

Manufacturers around the globe trust **Torch Wizard® Nozzle Cleaning Stations** to maximize consumable life and weld cell uptime. Built tough for reliable performance in high volume production applications, they feature no belts that wear out and no complex circuit boards that burn out in industrial environments. Durable titanium nitride coated reamer blades provide extended blade life, reducing maintenance time to replace worn or broken blades. It's the Cleaning Station you need when you want to get the job done, no matter how heavy the workload!

TORCH WIZARD® FEATURES



AUTOMATED SELF-CLEANING FOR EASY MAINTENANCE
INTEGRATED AIR BLAST FOR AUTOMATED CLEANING OF SPATTER & DEBRIS

TITANIUM NITRIDE COATED BLADES
STRONG ALLOY TOOL STEEL BLADES ARE TIN COATED TO MAINTAIN SHARPNESS & RESIST BREAKAGE

OPTIONAL WIRE CUTTER
AVAILABLE WIRE CUTTER CLEANLY CUTS WIRE, REMOVING WELD BEAD FOR SMOOTHER ARC STARTS

TOOL CENTER POINT (TCP) MOUNT
OPTIONAL TCP MOUNTS AVAILABLE FOR FANUC® TOOL CENTER POINTS.

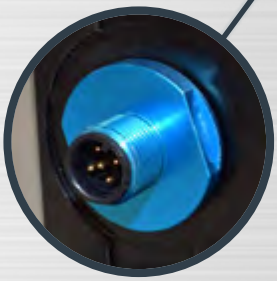
BUILT FOR RELIABILITY
NO COMPLEX CIRCUIT BOARDS OR BELTS FOR RELIABLE, LOW MAINTENANCE OPERATION

PROUDLY MADE



BLUE MAGIC® ANTI-SPATTER
EXTENDED TWO-YEAR WARRANTY WITH EXCLUSIVE USE OF BLUE MAGIC® OR BLUE CHILL® ANTI-SPATTER

HIGH TORQUE MOTOR
HIGH TORQUE PNEUMATIC MOTOR PREVENTS STALLS & CLEANS EFFORTLESSLY



ETHERNET OR IO-LINK OPTION
ETHERNET OR IO-LINK CAPABILITY AVAILABLE FOR CONNECTIVITY IN MODERN WELD CELLS

TORCH WIZARD®
NOZZLE CLEANING STATIONS

TORCH WIZARD® TA TANDEM ARC NOZZLE CLEANING STATION

The **Torch Wizard® TA Tandem Arc Nozzle Cleaning Station** is specially designed for removing spatter build-up in tandem arc torches. Models are available for cleaning Cloos®, Fronius® and Tregaskiss® tandem arc torches. Two year warranty with use of Blue Magic® or Blue Chill® anti-spatter.

- Quickly and effectively cleans tandem arc torch nozzles, requiring only a simple movement of the torch to ream each side
- Nozzle clamp (based on torch model) designed specifically for securing tandem arc torches
- Includes all the same features and uses the same reamer blades as the other Torch Wizard® Nozzle Cleaning Stations
- Compatible with Fronius®, Tregaskiss® or Cloos® Tandem Arc Systems



Torch Wizard® Tandem Arc Nozzle Cleaning Station

Innovative design cleans tandem arc torches with ease!

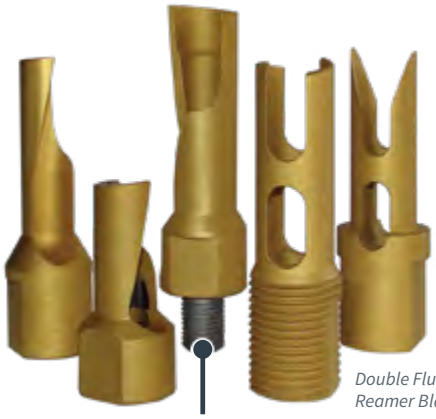
TORCH WIZARD® REAMER BLADES

Made from alloy tool steel and coated with titanium nitride (TiN) for enhanced durability, our reamer blades maintain their sharp cutting edge and resist breakage. Blades are universal and can also be adapted to other major reaming station manufacturers. Sizes for all nozzle IDs and lengths available (see table on page 35).

- **TiN coating increases blade life**
- Single and double flute blades available in a variety of sizes for compatibility with all torch nozzle styles
- Cost effective replacement blades available for other reaming station manufacturers

TITANIUM NITRIDE

TiN Coated for Maximum Durability



Single Flute Reamer Blades

Double Flute Reamer Blades

Male Threaded Reamer Blades

INTEGRATED WIRE CUTTER *EL-NCS-WCS-12*

Included on AC and ACE models

- Provides simple, automated way to cut wire sizes from 0.035 to 0.062
- Consistent wire stick-out provides accurate wire location
- Robust, hardened steel blade offers maximum wear resistance and extended life
- Fully integrated with the AC and ACE model reaming stations, no additional air or power cables required



TESTING & DIAGNOSTIC BOX

Includes 110 V AC unit and cable. Compatible with 9-pin cleaning station models.

The Torch Wizard® Reaming Station Test Box is a recommended maintenance peripheral for periodically testing and fine tuning your reaming station.

Functions include:

- Sink/Source
- Motor Slide Up/Down
- Nozzle Clamp
- Anti-Spatter Spray
- Wire Cutter (if applicable)



Cleaning Station Testing & Diagnostic Box
EL-NCS-TB-9-24

TORCH WIZARD® ACCESSORIES



Tool Center Point Adapter Mount
EL-NCS-TCP-F-R
Excludes touch plate and point

29.5" (749 mm) Stand for Torch Wizard®
EL-NCS-STAND
Additional heights available: 12", 20", 36", 48" and 60"



Cobot Guarding Kit for Reamer & Wire Cutter
EL-NCS-CGK-C-24

TORCH WIZARD® ROBOTIC NOZZLE CLEANING STATIONS

STANDARD MODELS

Part No.	Description
EL-NCS-A-24	9-Pin Cleaning Station with Integrated Anti Spatter Spray
EL-NCS-A-24-SC	9-Pin Cleaning Station with Integrated Anti Spatter Spray and Self Cleaning
EL-NCS-AC-24	9-Pin Cleaning Station with Integrated Anti Spatter Spray and a Wire Cutter
EL-NCS-AC-24-SC	9-Pin Cleaning Station with Integrated Anti Spatter Spray, Self Cleaning, and a Wire Cutter
EL-NCS-24	9-Pin Cleaning Station for aluminum
EL-NCS-A-TA-24-CL	Cleaning Station with Integrated Anti-Spatter Spray for Tandem Arc Torches with Cloos® Nozzles
EL-NCS-A-TA-24-FR	Cleaning Station with Integrated Anti-Spatter Spray for Tandem Arc Torches with Fronius® Nozzles
EL-NCS-A-TA-24-TR	Cleaning Station with Integrated Anti-Spatter Spray for Tandem Arc Torches with Tregaskiss® Nozzles

MODELS WITH INTEGRATED IO-LINK/ETHERNET

Part No.	Description
EL-NCS-AIO-24	IO-Link Cleaning Station with Integrated Anti Spatter Spray
EL-NCS-AIO-24-SC	IO-Link Cleaning Station with Integrated Anti Spatter Spray and Self Cleaning
EL-NCS-ACIO-24	IO-Link Cleaning Station with Integrated Anti Spatter Spray and a Wire Cutter
EL-NCS-ACIO-24-SC	IO-Link Cleaning Station with Integrated Anti Spatter Spray, Self Cleaning, and a Wire Cutter
EL-NCS-AE-24	Ethernet Cleaning Station with Integrated Anti Spatter Spray
EL-NCS-AE-24-SC	Ethernet Cleaning Station with Integrated Anti Spatter Spray and Self Cleaning
EL-NCS-ACE-24	Ethernet Cleaning Station with Integrated Anti Spatter Spray and a Wire Cutter
EL-NCS-ACE-24-SC	Ethernet Cleaning Station with Integrated Anti Spatter Spray, Self Cleaning, and a Wire Cutter

TORCH WIZARD® OPTIONAL ACCESSORIES

Part No.	Description
EL-NCS-STAND-12	12" (305 mm) stand for EL-NCS models
EL-NCS-STAND-20	20" (508 mm) stand for EL-NCS models
EL-NCS-STAND	29.5" (749 mm) Stand for EL-NCS
EL-NCS-STAND-36	36" (914 mm) stand for EL-NCS models
EL-NCS-STAND-48	48" (1,219 mm) stand for EL-NCS models
EL-NCS-STAND-60	60" (1,524 mm) stand for EL-NCS models
EL-NCS-MAT	Nozzle alignment tool for 5/8" or 1/2" nozzles
EL-NCS-FRL-14	Filter/Regulator/Lubricator (required for all NCS models)
EL-NCS-CGK-24	Cobot Guarding Kit for Reamer Only
EL-NCS-CGK-C-24	Cobot Guarding Kit for Reamer and Wire Cutter
EL-NCS-TB-9-24	Testing and Diagnostic Box for 9-pin models
EL-NCS-TCP-F-R	Tool Center Point Mount (attaches to reaming station stand)
EL-NCS-WCS-12	Integrated Wire Cutter (included on AC models)
EL-NCS-WCS-SA-12	Stand Alone Wire Cutter
EL-NCS-CC9-20-3	9-Pin, 20 ft Power/Control Cable (required for 9-Pin models)
EL-NCS-CC9-30	9-Pin, 30 ft Power/Control Cable (required for 9-Pin models)

TORCH WIZARD® REAMER BLADES

Part No.	Description	Diameter	Flutes	Thread	Height
EL-NCS-13MM	Reamer Blade	13 mm	2	Female	2.558"
EL-NCS-TL-13MMF	Reamer Blade	13 mm	1	Female	2.687"
EL-NCS-15MM	Reamer Blade	15 mm	2	Female	2.558"
EL-NCS-TL-15MMF	Reamer Blade	15 mm	1	Female	2.697"
EL-NCS-17MM-L	Reamer Blade (ID: .402")	17 mm	2	Female	3.564"
EL-NCS-17MM-1-L	Reamer Blade (ID: .329")	17 mm	2	Female	3.564"
EL-NCS-500	Reamer Blade	1/2"	2	Female	2.558"
EL-NCS-TL-50F	Reamer Blade	1/2"	1	Female	2.687"
EL-NCS-TS-50F	Reamer Blade	1/2"	1	Female	2.433"
EL-NCS-625	Reamer Blade	5/8"	2	Female	2.558"
EL-NCS-TL-62F	Reamer Blade	5/8"	1	Female	2.687"
EL-NCS-TS-62F	Reamer Blade	5/8"	1	Female	2.433"
EL-NCS-750	Reamer Blade	3/4"	2	Female	2.558"

MALE THREADED REAMER BLADES *for other reaming stations*

Part No.	Description	Diameter	Flutes	Thread	Height
EL-NCS-TS-13MM	Reamer Blade	13 mm	1	Male (3/8" – 24)	2.433"
EL-NCS-50-M	Reamer Blade	1/2"	2	Male (3/8" – 24)	2.558"
EL-NCS-TL-50	Reamer Blade	1/2"	1	Male (3/8" – 24)	2.687"
EL-NCS-TS-50	Reamer Blade	1/2"	1	Male (3/8" – 24)	2.433"
EL-NCS-625-M	Reamer Blade	5/8"	2	Male (3/8" – 24)	2.558"
EL-NCS-TL-62	Reamer Blade	5/8"	1	Male (3/8" – 24)	2.687"
EL-NCS-TS-62	Reamer Blade	5/8"	1	Male (3/8" – 24)	2.433"

Blades compatible with PowerBall® Torch Consumables

Please call Customer Support for correct retrofit reamers for: ABICOR Binzel®, Intertech®, Tregaskiss® and Nasarc®

BLUE MAGIC® ANTI-SPATTER



BLUE MAGIC® ANTI-SPATTER & NOZZLE CLEANER

- **Water-based and nontoxic formula** — contains no methylene chloride or other hazardous chemicals
- **New! Nonflammable, air-powered can with the same trusted formula** — utilizing only noncombustible air for a propellant, it features a glove-friendly trigger and 360° spraying ability
- **Industrial strength protection against spatter build-up** — excels in applications where quality is a must
- **Safe for paint** — no oils or silicone that negatively affect paint
- **Environmentally friendly** — biodegradable, no carcinogens, recyclable can
- **Available in concentrated form in 5 gallon buckets or 1 liter bottles** — ideal for overseas shipping



NEW! NONFLAMMABLE AIR-POWERED CAN!

SCAN HERE OR VISIT
WIRE-WIZARD.COM/TRYMAGIC
TO REQUEST A FREE TRIAL CAN



PROUDLY MADE

SCAN HERE FOR VIDEO

BLUE MAGIC® ANTI-SPATTER

Part No.	Description
EAS1000-CTC	1.7 oz Trial Spray Can
EAS1000-CSC	14 oz Air-powered Spray Can
EAS1000-C32	32 oz Spray Bottle
EAS1000-C1	1 gal Bottle
EAS1000-C5	5 gal Container
EAS1000-C	55 gal Drum
EAS1000-CT	275 gal Bulk Tote
EAS1000-C-CON-1L	1 l (33 oz) Concentrate
EAS1000-C-CON-5	5 gal Concentrate
EAS1000-DP	Manual Drum Pump (55 gal)

BLUE MAGIC® HD HIGH DUTY CYCLE ANTI-SPATTER

- Special formula **provides maximum protection in high temperature and long duty cycle applications**
- Will not evaporate, even under extreme heat
- Reduces downtime for clean-ups in long duty cycles that generate extreme heat and excessive spatter

Part No.	Description
EAS1000-HDC32	32 oz Spray Bottle
EAS1000-HDC1	1 gal Bottle
EAS1000-HDC5	5 gal Container
EAS1000-HDC	55 gal Drum

BLUE CHILL® ANTI-SPATTER & NOZZLE COOLANT

- Specially blended formula **quickly cools down hot nozzles**
- Extends nozzle and contact tip life
- Environmentally safe, nontoxic, biodegradable
- Safe for painted surfaces

Part No.	Description
EAS1000-BC32	32 oz Spray Bottle
EAS1000-BC1	1 gal Bottle
EAS1000-BC5	5 gal Container
EAS1000-BC	55 gal Drum
EAS1000-BCT	275 gal Bulk Tote



5-GALLON MANIFOLD KIT *5GMK*

The 5-gallon manifold kit dispenses **Blue Magic®** or **Blue Chill®** anti-spatter to **Torch Wizard® Cleaning Stations** pneumatic sprayers and/or refilling stations. Easily integrated into most weld cell configurations.

- Smaller footprint is ideal where space is an issue
- Pneumatic pump supplies 1.92 gallons per minute at 75 psi
- Bulk dispensing system easily supplies up to 15 work stations (depending on distance)





SPECIFICATIONS

- Height: 27" (685.8 mm)
- Depth: 14" (355.6 mm)
- Width: 11.25" (285.7 mm)
- Weight: 8 lbs (3.6 kg)

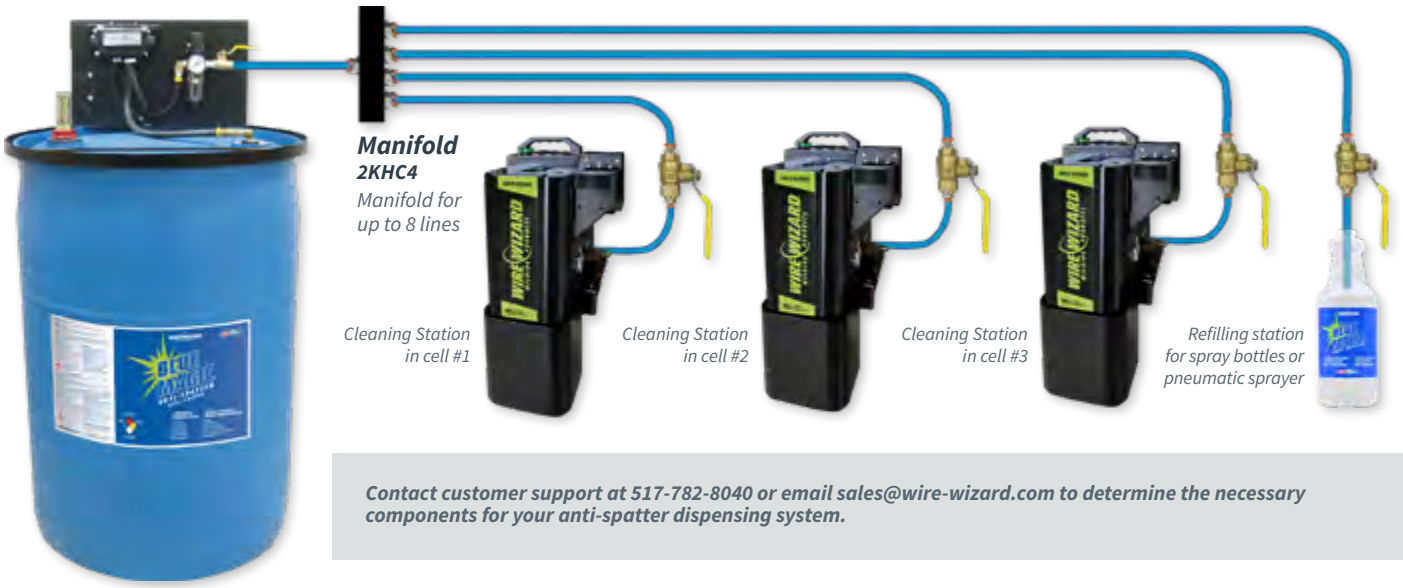
DRUM MANIFOLD KIT *DMK*

Designed to deliver bulk **Blue Magic®** or **Blue Chill®** anti-spatter to multiple **Torch Wizard®** nozzle cleaning and/or spraying stations, eliminating the need to refill small, gravity fed containers on a frequent basis. **Optional gauge** monitors fluid level for easier maintenance. Easy to install.

- Lowers operating costs by allowing the use of bulk anti-spatter, reduces downtime for refilling
- Supplies anti-spatter to multiple stations with pneumatic pump (pumps up to 1.92 gallons per minute at 75 psi)
- Less space required due to one feeding source



ANTI-SPATTER MULTI-STATION DISPENSING SYSTEM SETUP



Contact customer support at 517-782-8040 or email sales@wire-wizard.com to determine the necessary components for your anti-spatter dispensing system.

WIRE TRACKER™ DIGITAL WIRE MONITOR

ACCURATE WIRE TRACKING & MONITORING IN ONE DEVICE

WC-1-WS-S

The **Wire Tracker™ Digital Wire Monitor** provides an easy way to monitor and track wire in robotic or semi-automatic MIG welding applications. The device may be mounted in-line for 24/7 monitoring or used as a portable unit to check wire usage per weld or wire feed speed. It provides a simple and accurate method for monitoring and totalizing wire consumption, or measurement and verification of wire feed speed.

- **Tracks and totalizes wire consumption** — an easy way to determine wire usage per weld and amount of time a wire package will last
- Install in-line for constant monitoring or use as a portable device to check and verify wire feed speed and wire usage (rechargeable li-ion battery included)
- Includes **Wire Speed Sensor** to monitor wire feed speed (WFS) and wire consumption
- Optional **Motor Current Sensor** monitors the workload on the wire feeder, which can detect and send alerts on wire feeding issues
- Monitors wire remaining and **sends alert when wire package is low**
- Exported data may be used to **track total wire feed time** to help determine welding productivity
- Documents historical data for each weld, including: Timestamp, Duration (time of active wire feed), Average wire feed speed (WFS), and Wire Consumed. Data is downloadable via USB connection to a PC.
- PLC connectivity allows automated alert functions



WIRE TRACKER™

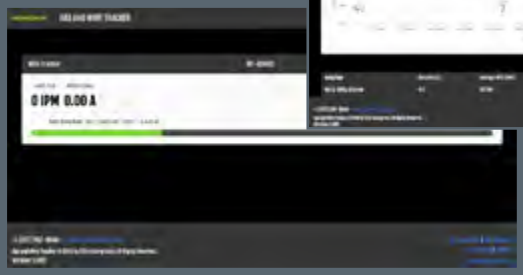


WIRE SPEED SENSOR

SOFTWARE FEATURES

- View and export time-stamped wire usage data (per weld), including duration of wire feed, wire feed speed (in IPM or MM/SEC), wire consumed and wire remaining
- Edit or refill wire
- Quickly view the wire remaining
- Options for measurement units in Imperial (US) or Metric
- Ability to connect to multiple Wire Trackers at once

Chart and Wire Refill screen





Wire Tracker screen with average wire feed speed chart and motor current (if applicable)

Part No.	Description
WC-1-WS-S	Wire Tracker™ Digital Wire Monitor — Includes Wire Feed Sensor
WC-1-MS	Add-on Feed Motor Current Sensor for monitoring and tracking of wire delivery issues
WC-1-WS-RECAL	Wire Sensor Calibration Service (yearly recalibration recommended)
WC-1-MS-RECAL	Motor Current Sensor Calibration Service (yearly recalibration recommended)

GAS FLOW MONITORING & OPTIMIZATION

GAS TRACKER™ GAS FLOW MONITOR

WC-1-GS-S

The **Gas Tracker™ Digital Gas Flow Monitor** provides an easy way to monitor and track shielding gas flow in MIG or TIG welding applications. The Gas Tracker™ is **two monitors in one** — for use as a portable unit or mounted in-line. It provides a simple and accurate method for monitoring and totalizing incoming gas flow, or measurement and verification of gas flow at the nozzle.

- **Portable Application**: Check and verify gas flow at the nozzle to avoid porosity and other serious weld quality issues. Each monitor includes a hose and filter assembly that fits all standard nozzle sizes, along with a rechargeable li-ion battery that lasts up to 24 hours.
- **In-line Application**: The monitor can function as a gas totalizer, verify proper gas flow and keep a record of average gas flow per weld (data downloadable via USB connection).
- Touchscreen interface with digitally displayed flow rate of 0 – 106 SCFH (0 – 50 LPM) with 1 SCFH resolution in Imperial or Metric units.
- PLC connectivity allows automated alert functions.
- Pre-calibrated for a variety of gas mixture options, including: Argon/CO2 (90/10, 85/15, 80/20, 98/2 or 75/20), Argon/Helium (75/25), Argon/O2 (97/3), He/Ar/CO2 (90/7.5/2.5) and 100% Argon, CO2, Helium or Nitrogen.
- NIST traceable calibration certificate included
- Dimensions: 7" (178 mm) X 5.25" (134 mm) X 3.25" (83 mm)



INLINE APPLICATION



PORTABLE APPLICATION

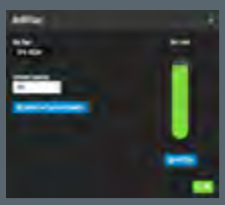
SOFTWARE FEATURES

- View and export time-stamped gas flow data (per weld), including duration of flow, gas flow rate (in CFH or LPM), gas consumed and gas remaining
- Edit or refill gas (if applicable)
- Quickly view the gas remaining
- Ability to connect to multiple Gas Trackers at once

Gas and Wire Tracker screen with gas flow chart



Chart and Gas Refill screen

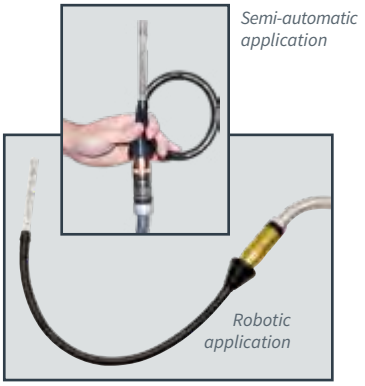


MANUAL GAS FLOW GAUGES *EL-GFM*

Measures the actual flow of shielding gas from the MIG/TIG torch, allowing adjustments to be made at the cylinder gauge if necessary. An economical solution for improving overall welding performance.

- Features flexible hose for easy operator readings on robotic torches
- Measures gas flow consumption (CFH or LPM) at nozzle; up to 60 CFH/28 LPM

Part No.	Description
WC-1-GS-S	Gas Tracker™ Digital Gas Flow Monitor — In-line or portable use for checking flow at the nozzle
WC-1-GS-RECAL	Gas Tracker™ Digital Gas Flow Monitor Calibration Service (yearly recalibration recommended)
EL-GFM	Manual Gas Flow Gauge for Robotic Applications



Semi-automatic application

Robotic application

GAS WIZARD® INERT GAS SAVERS

SAVE 35% OR MORE ON INERT GAS



Gas Wizard™ Inert Gas Savers are designed to reduce gas consumption by restricting the gas surge that occurs at arc initiation. The **Adjustable Gas Saver** is ideal for virtually all welding applications and allows fine tuning of the gas flow, which is an added benefit for facilities utilizing long bulk gas delivery systems with pressure drops.



Adjustable Gas Savers
GFJ-ADJ-A, B, C or D
Saves gas and allows fine tuning of gas flow

- **Reduces gas consumption** in MIG or TIG applications
- Restricts gas surge upon arc starts, screen prevents blockages
- Gas savers available for the inlet or outlet side of gas solenoid

ADJUSTABLE GAS SAVER OPTIONS

Part No.	Description
GFJ-ADJ-A	5/8"-18 Male x 5/8"-18 Female
GFJ-ADJ-B	1/4"-18 Male NPT x 5/8"-18 Female NPT
GFJ-ADJ-C	1/4"-18 Male NPT x 1/4"-18 Female NPT
GFJ-ADJ-D	1/4"-19 Male BSPP x 1/4"-19 Female BSPP

WATCH VIDEO

ADJUSTABLE GAS SAVERS



Installation at gas inlet on the wire feeder



GFJ-ADJ-A
5/8"-18 Male x 5/8"-18 Female



GFJ-ADJ-B
1/4"-18 Male NPT x 5/8"-18 Female NPT



GFJ-ADJ-C
1/4"-18 Male NPT x 1/4"-18 Female NPT

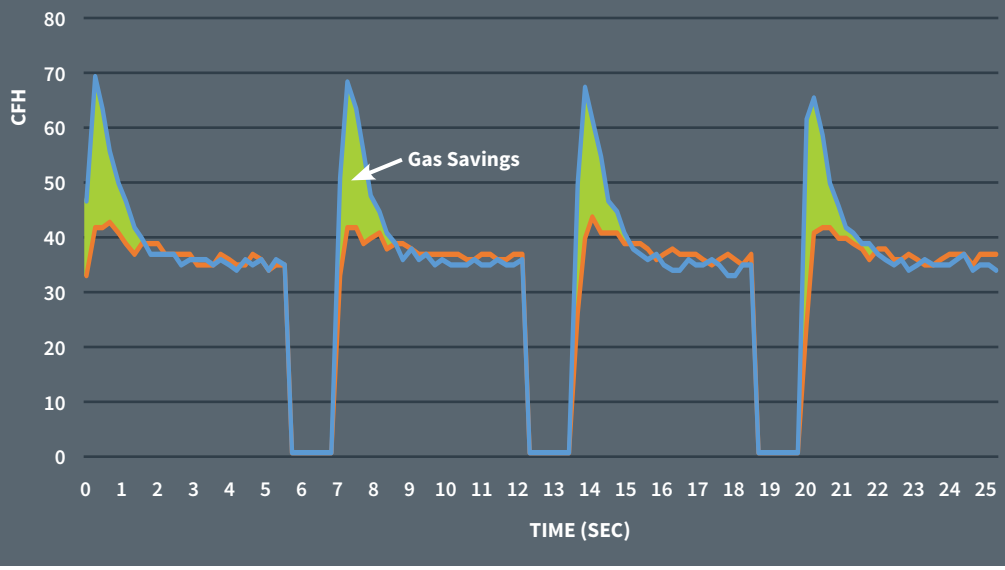


GFJ-ADJ-D
1/4"-19 Male BSPP x 1/4"-19 Female BSPP

GAS SAVINGS AS A RESULT OF ELIMINATING GAS SURGE UPON ARC START

Spikes represent gas surge at arc start **without** gas saver installed

- Flow Meter
- Gas Saver
- Gas Savings



TOOLS & MAINTENANCE EQUIPMENT

WIRE FEED SPEED SENSOR HHSS-12

This hand-held, battery operated tachometer is capable of measuring and retaining RPH, RPM, FPH, FPM and MPH. Standard accessories include: 3-1/2" (89 mm) extension shaft, one funnel and two cone adapters, master wheel (6"/152 mm) and carrying case. Designed for accurate wire feed speed measurement at the torch end.

Manual application only. Does not take continuous readings.



- Plugs into existing wire system and conduit
- Handles wire diameters from 0.030 – 0.125 (0.8 – 3.2 mm)
- Rugged aluminum construction with Delrin wire guide head
- Displays wire speed with automatic floating decimal point
- Large 13 test memory selectable to 5 minutes or more



HHSS-12 obtaining measurement at the torch end

WIRE DRAW GAUGE WWPT



- Accurately measures the draw weight of wire pulling through the conduit
- Helps determine if conduit needs changed by the amount of strain the wire is creating on the feed motor
- Hand-held, battery powered (9 V).
- Capable of averaging 10 pulls of wire, storing the largest draw
- Measures in English or metric
- Easy to read 5-digit LCD display
- Ergonomic plastic housing with standard storage case
- Max pull weight: 12 lb (5.4 kg)



MULTIFUNCTION WIRE & WELDING PLIERS EL-WP

INCLUDES TOOL BELT POUCH



- Rounded tips for sharply bending wire for easy feeding through the wire delivery system
- Ideal for servicing and maintaining consumables and removing spatter build-up
- Heavy duty chrome vanadium steel



BENDS WIRE FOR EASY FEEDING THROUGH SYSTEM

CONDUIT ASSEMBLY TOOLS



Conduit Deburring Stone EC-DS

For deburring sharp edges on steel-lined conduit



Polymer Conduit Countersink Tool EC-DB

Ratcheting tool for countersinking the ends of polymer conduit (required for proper installation)



Polymer Conduit Cutter EC-CUTTER

Trims all sizes of polymer conduit with ease. Heat treated steel cutting blade. 8.5" (216 mm) long.

WIRE DELIVERY INSTALLATION KIT WW-ATK

Includes Wire Draw Gauge, Welding Pliers, Conduit Cutter, Deburring Stone and Countersink Tool in a convenient soft storage case



POWERBALL® TORCH PRODUCTS



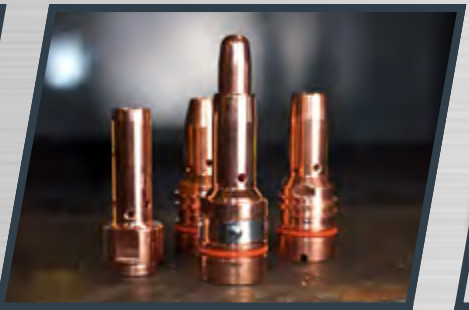
POWER UP YOUR WELDING PERFORMANCE!

Welders are all too familiar with that "popcorn popping" sound heard when using a welding gun with poor conductivity. PowerBall Handheld and Robotic MIG Torches by Wire Wizard feature an innovative design that maximizes conductivity, optimizing arc stability and eliminating poor arc starts so the start of the weld is just as good as the end. Choose PowerBall technology for quality welds that are ***All Butter, No Popcorn!***™

ALL BUTTER, NO POPCORN!™



MIG WELDING GUNS
300, 400 and 500 A models available

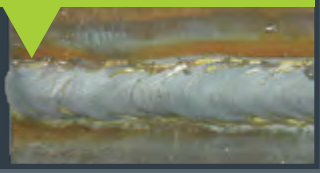


REPLACEMENT CONSUMABLES
Available for most torch manufacturers



ROBOTIC MIG TORCHES
Compatible with most thru-arm robots

GOOD ARC STABILIZATION



WELD COMPLETED WITH POWERBALL® TORCH

POOR ARC STABILIZATION



WELD COMPLETED WITH COMPETITOR'S TORCH

Two welds were completed with .045 carbon steel wire, one with a good Arc Stabilization Period (ASP) and one with a poor ASP. The weld completed using the PowerBall® MIG Gun had a much faster ASP, with a quality weld bead from start to finish. The weld with a bad ASP had a longer period of current volatility when first establishing the arc, resulting in poor weld quality at the start of the weld. This can result in numerous bad parts and rework, especially with shorter welds.

SCAN HERE TO VIEW THE FULL POWERBALL PRODUCT LINE

See the difference PowerBall® technology can make at your facility! Visit our website or contact your Wire Wizard Technical Sales Expert to request a PowerBall® semi-automatic or robotic MIG gun trial package.

FAMILY OWNED AMERICAN MADE

SHIPPING & TERMS

ELCo Enterprises, Inc. offers UPS shipping from our regional distribution centers, including:

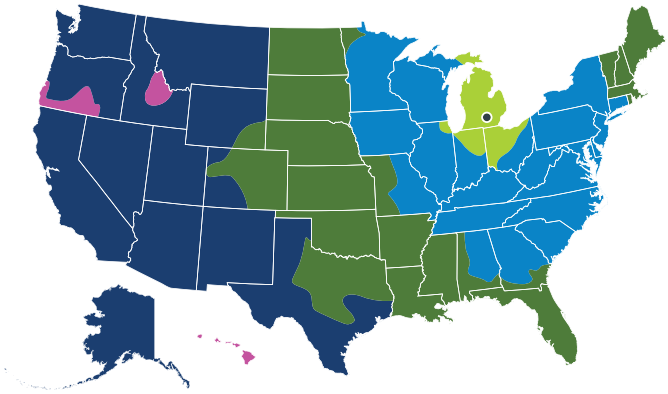
- Ground (see maps)
- Next Day Air
- 2nd Day Air
- 3 Day Select
- International Service

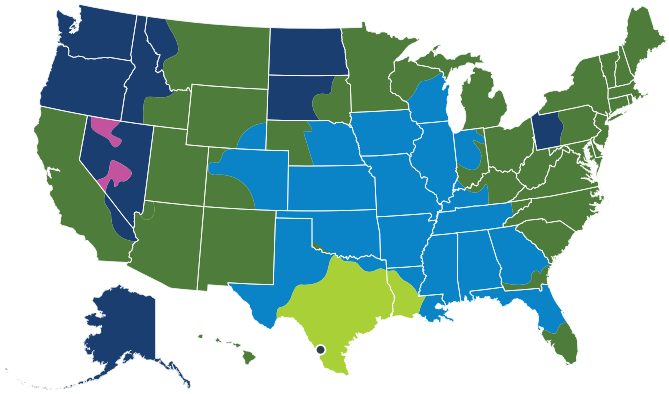
VISIT
WIRE-WIZARD.COM/DISTRIBUTION
FOR A LIST OF OUR
INTERNATIONAL DISTRIBUTORS

SHIPPING TRANSIT TIMES FOR UPS GROUND

Orders may be available for pick up from our distribution center locations. Contact Customer Support for details.

1 day 2 days 3 days 4 days 5 days





JACKSON, MI HEADQUARTERS

5750 Marathon Drive
Jackson, MI 49201

LAREDO, TX DISTRIBUTION CENTER

Laredo, TX 78040
Also provides fast shipping to Mexico (transit times will vary)

TERMS AND CONDITIONS

"We," "us," and "our" refer to ELCo Enterprises, Inc.

ORDERING

Wire Wizard products are available worldwide through our distribution network and are offered by most distributors of welding equipment in North America. Our Customer Support staff is available Monday-Friday, 8:00am-5:00pm (EST) at our main office by calling 517-782-8040. Any orders placed after noon EST for same day shipping will be charged a $75 expedite fee. When ordering, please state your company's "bill to" and "ship to" address, purchase order number, part number, quantity, item description, and any special shipping instructions. All purchases will be shipped UPS ground unless otherwise specified. Items too large for UPS, will be shipped by commercial carrier.

$75 minimum order.

NOTE

Purchases cannot be delivered to post office boxes.

SPECIAL ORDERS

If a specialized part is required, please consult our Customer Support staff for a quote. There are no returns on special order items.

TERMS

All orders placed on account are net 30 days. Unpaid balances are subject to a 1% per month late charge. COD orders are accepted if payment is in the form of a company check, certified check, or money order.

RETURNS

All returns must be in new condition and authorized by ELCo by use of a Returned Merchandise Authorization Number (RMA). Returns are subject to a restocking fee.

DISCLAIMER

Every effort has been made to avoid any printing errors in this catalog. Consequently, we do not claim responsibility for any application or specification errors. Wire Wizard® products are intended for use with other Wire Wizard® products. Use with any other manufacturer's products may void the warranty. Any reproduction of artwork, photographs, or any other portion of this catalog without prior written consent of ELCo Enterprises, Inc. is a violation of our copyright. Violators will be prosecuted.

SOLVING WELDING CHALLENGES & MANUFACTURING INNOVATIVE WELDING PRODUCTS SINCE 1985

Wire Wizard® Welding Products is recognized as the industry leader in weld wire delivery products, high performance torch products, weld cell support equipment and weld cell optimization. Since we began in 1985, we've prided ourselves on both quality and innovation. Our product lines include Wire Wizard® Wire Delivery Equipment, Blue Magic® Anti-spatter, PowerBall® Torch Products, Torch Wizard® Nozzle Cleaning Stations and WizardGear® Robot Cable Management Systems. Wire Wizard® has solutions for virtually every arc welding application, including robotic, fixed automation, semi-automatic and submerged arc welding.



ELCo Enterprises headquarters in Jackson, Michigan

ELCO ENTERPRISES, INC.

5750 Marathon Drive
Jackson, Michigan 49201 USA

Phone 517.782.8040
Email sales@wire-wizard.com

PROUDLY MADE

/WireWizardUS
@WireWizardUS
/elco-enterprises-inc
/WireWizardUS
@WireWizardUS

WIRE WIZARD® WIRE DELIVERY EQUIPMENT
POWERBALL® TORCH PRODUCTS
LOW FRICTION CONDUIT & CONNECTORS
WIRE WIZARD® GUIDE MODULE® SYSTEM
WIZARDGEAR® CABLE MANAGEMENT
BLUE MAGIC® & BLUE CHILL® ANTI-SPATTER
TORCH WIZARD® CLEANING STATIONS
DRUM & REEL HANDLING EQUIPMENT

U.S. VETERAN OWNED BUSINESS

WEMCO An Association of Welding Manufacturers

AWS SUSTAINING MEMBER

GAWDA GASES AND WELDING DISTRIBUTORS ASSOCIATION

ISO 9001:2015 CERTIFIED

SCAN HERE TO CONTACT THE WIRE WIZARD TECHNICAL SALES EXPERT FOR YOUR REGION