

Wire Guide Modules and Flex Modules

Wire Wizard is a range of products to dispense welding wire from any kind of spool or drum to any kind of wire feeder. This means that whatever kind of drums you're using; Wire Wizard has a cone especially for your type of drum. And also that whatever brand of robot or manual welding machine you use; Wire Wizard has a connector specially for your type of wire feeder. In combination with the high quality conduit you are able to connect everything to anything.

With a simple combination of products it is possible to equip

every robot or welding machine with a drum placed at a variable distance. Extra advantage is that every connection is made with quick disconnections. This makes it very easy to replace or clean the conduit. To change from one type of wire to another can be done very fast.

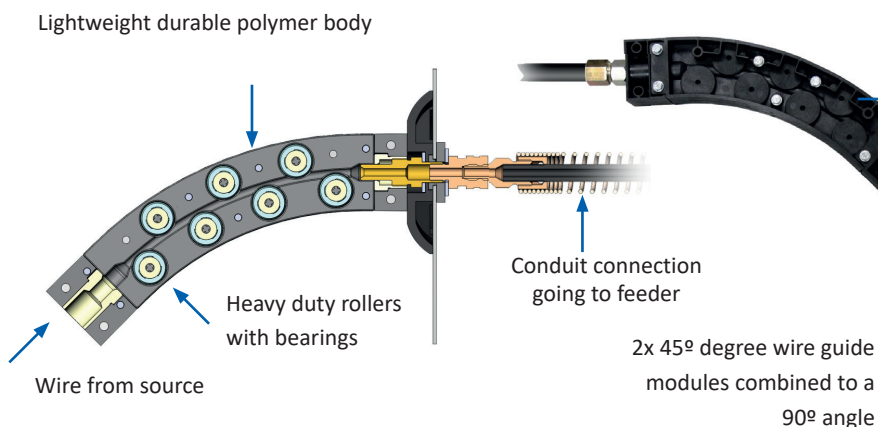
The first goal of Wire Wizard is to improve the productivity of your welding cell. Our motto: "Give us your worst performing welding cell and we'll make it your best performing welding cell."

Wire Guide Modules

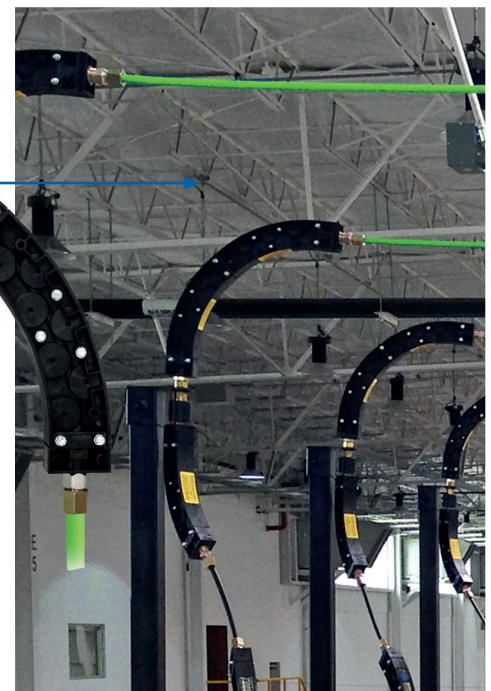
The most spectacular innovation in years are the new Wire Guide Modules. A totally new concept of feeding wire.

Philosophy: What causes the most friction in wire transport? Exactly, "the bends and curves in your conduit". Eliminate these curves, and you will eliminate the friction.

Within this new way of thinking the straight ends of your wire feed are made with the familiar conduits and the bends are made with these Wire Guide Modules. Each module has a curve of 45 degrees and can be built together with other modules in order to make 90, 135 or 180 degrees curves. In this way large distances can be bridged without assist.

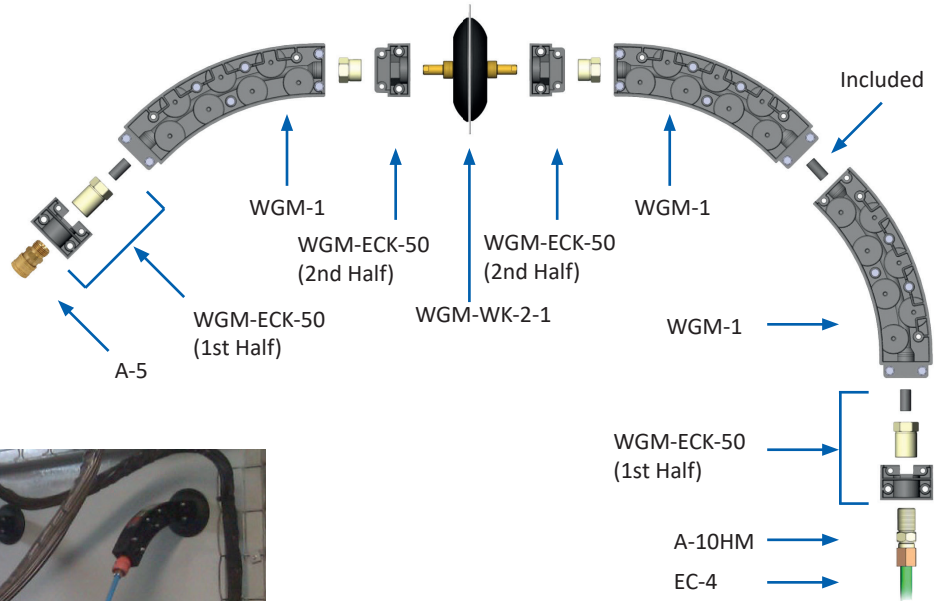


- Create any bend you like by connecting the modules.
- For all kinds of wire from 0,6 to 2,4 mm
- Much cheaper than other roller products
- 3 years warranty (damage caused by contaminants excluded)

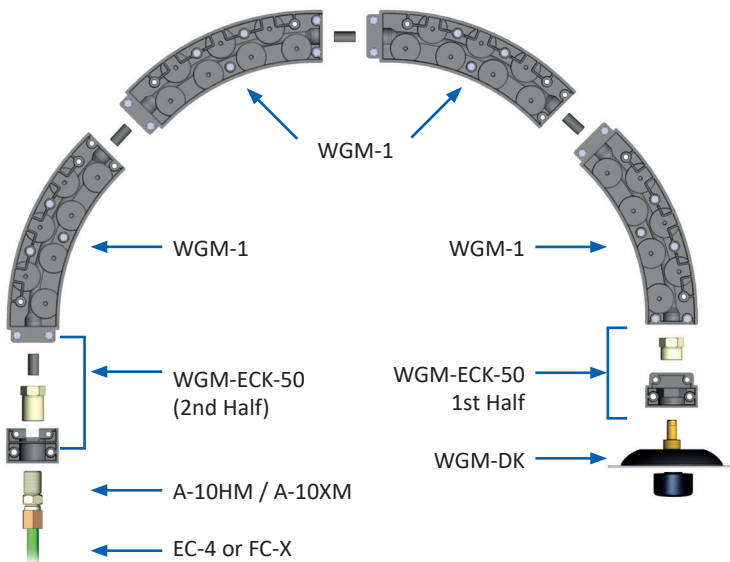
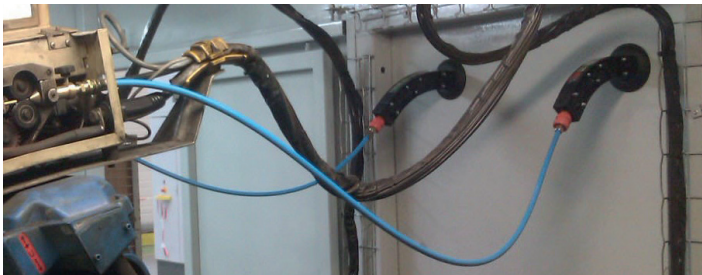


Installation examples

Outside weldcell

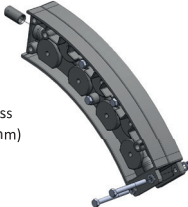
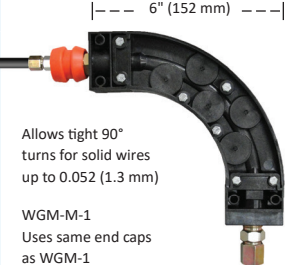
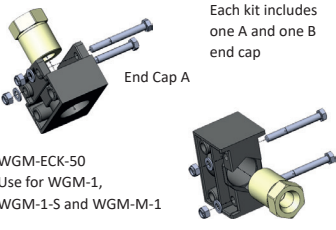
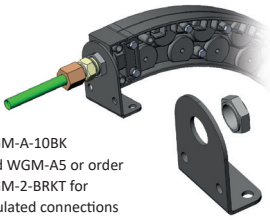


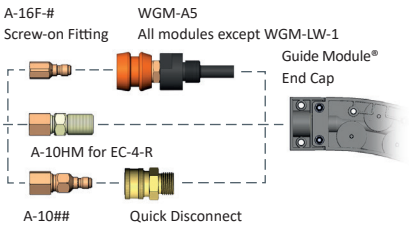
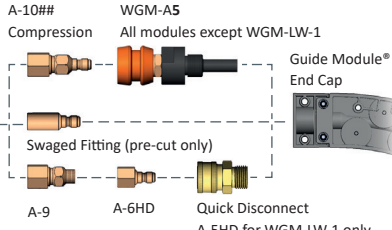
Inside weldcell

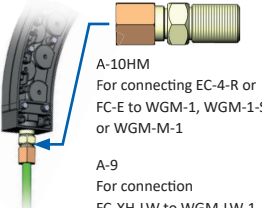
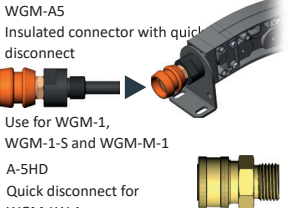
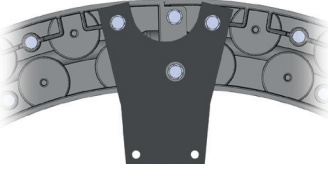
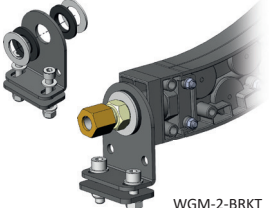


Application: Automotive production plant. Drums at first floor above robotic installatio.

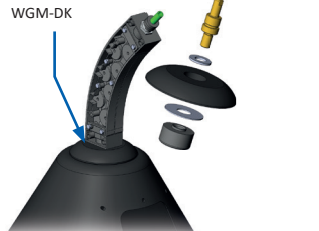

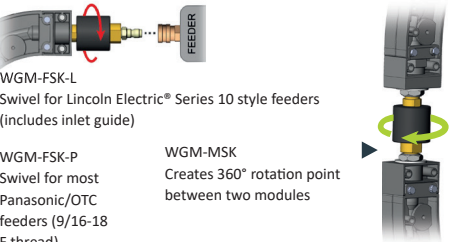
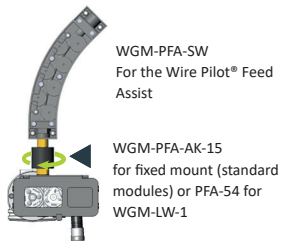
Data before modification		Data after modification	
Distance drum to feeder :	6,6 Meter	Distance drum to feeder:	6,6 Meter
Set-up:	Cheap plastic liner only	Set-up:	FC-X Liner + 180 module
Pull test:	Variating 3,5 - 7,0 Kg	Pull test:	constant 0,35 Kg
Feeder power:	0,7 Ampere	Feeder power:	0,15 Ampere
Maintenance:	Changing liner once in two weeks	Maintenance:	Free of maintenance for over three years

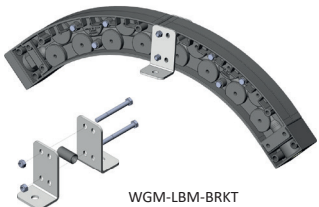
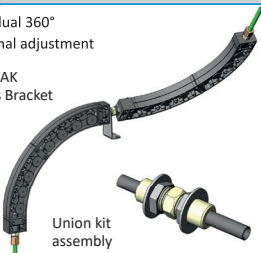
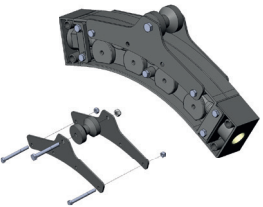
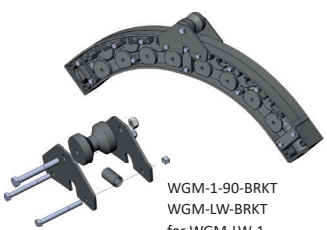
<p>45° Wire Guide Modules</p> <p>WGM-1 For solid wire up to 5/64" (2 mm)</p> <p>WGM-1-S For cored and stainless wire up to 5/64" (2 mm)</p> <p>WGM-LW-1 For large wire 3/32" – 5/32" (2.4 mm – 4 mm)</p> 	<p>90° Mini Guide Module®</p> <p>6" (152 mm)</p> <p>Allows tight 90° turns for solid wires up to 0.052 (1.3 mm)</p> <p>WGM-M-1 Uses same end caps as WGM-1</p> 	<p>End Cap Connectors</p> <p>Each kit includes one A and one B end cap</p> <p>End Cap A</p> <p>WGM-ECK-50 Use for WGM-1, WGM-1-S and WGM-M-1</p> <p>End Cap B</p> <p>WGM-LW-ECK-50 for WGM-LW-1</p> 	<p>Face Mount Bracket Kit</p> <p>Allows 360° directional adjustment</p> <p>WGM-A-10BK Add WGM-A5 or order WGM-2-BRKT for insulated connections</p> 
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<p>Conduits & Fittings</p> <p>EC-4-R (7.6 mm I.D.) Fittings: A-16F-4 OR A-10C-H</p> <p>EC-5 (10.2 mm I.D.) Fittings: A-16F-5 or A-10R</p>	<p>Wire Wizard® Polymer Conduit</p> <p>A-16F-# Screw-on Fitting</p> <p>WGM-A5 All modules except WGM-LW-1</p> <p>Guide Module® End Cap</p> <p>A-10HM for EC-4-R</p> <p>A-10## Quick Disconnect Compression</p> <p>A-5HD for WGM-LW-1 only</p> 	<p>Conduits & Fittings</p> <p>FC-X (6.1 mm I.D.) Fitting: A-10C-X</p> <p>FC-XH (7.4 mm I.D.) Fitting: A-10R</p> <p>FC-XH-LW (10 mm I.D.) Fitting: A-9</p>	<p>Wire Wizard® Extra Flexible Conduit</p> <p>A-10## Compression</p> <p>WGM-A5 All modules except WGM-LW-1</p> <p>Guide Module® End Cap</p> <p>Swaged Fitting (pre-cut only)</p> <p>A-9 A-6HD Quick Disconnect</p> <p>A-5HD for WGM-LW-1 only</p> <p>WGM-LW-1 only</p> 
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<p>Conduit connector options</p>		<p>Weld-on or Bolt-on mounting bracket</p>	<p>Insulated face mount bracket</p>
<p>Threaded connectors</p> <p>A-10HM For connecting EC-4-R or FC-E to WGM-1, WGM-1-S or WGM-M-1</p> <p>A-9 For connection FC-XH-LW to WGM-LW-1</p> 	<p>Detachable qd connectors</p> <p>WGM-A5 Insulated connector with quick disconnect</p> <p>Use for WGM-1, WGM-1-S and WGM-M-1</p> <p>A-5HD Quick disconnect for WGM-LW-1</p> 	<p>WGM-044</p> 	<p>Allows 360° directional adjustment</p> <p>WGM-2-BRKT</p> 

<p>Cell Wall Mounting Kit</p> <p>Single sided</p> <p>WGM-WK-1-1</p> 	<p>Cell Wall Mounting Kit</p> <p>Double sided</p> <p>WGM-WK-2-1</p> 	<p>Adjustable Wall Mount Bracket</p> <p>WGM-WK-1-3</p> <p>Adjustable for up to 3" (76 mm) thick walls</p> 	<p>Male disconnect fittings</p> <p>WGM-049 Male fitting for WGM-1, WGM-1-S and WGM-M-1</p> <p>WGM-LW-049 Fitting for WGM-LW-1</p> 
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<p>Drum Hood Mounting Kit</p> <p>WGM-DK</p> 	<p>Hood Swivel Kit</p> <p>Allows 360° rotation on top of drum cover.</p> <p>WGM-HSK</p> 	<p>Module / Feeder Swivel Kits</p> <p>WGM-FSK-L Swivel for Lincoln Electric® Series 10 style feeders (includes inlet guide)</p> <p>WGM-FSK-P Swivel for most Panasonic/OTC feeders (9/16-18 F thread)</p> <p>WGM-MSK Creates 360° rotation point between two modules</p> 	<p>Feed Assist Swivel Kit</p> <p>WGM-PFA-SW For the Wire Pilot® Feed Assist</p> <p>WGM-PFA-AK-15 for fixed mount (standard modules) or PFA-54 for WGM-LW-1</p> 
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<p>L-Bracket Mounting Kit</p> <p>WGM-LBM-BRKT</p> 	<p>360° Union Adapter Kit</p> <p>Allows dual 360° directional adjustment</p> <p>WGM-UAK Includes Bracket</p> <p>Union kit assembly</p> 	<p>45° Hanging Bracket Kit</p> <p>WGM-1-BRKT</p> 	<p>90° Hanging Bracket Kit</p> <p>WGM-1-90-BRKT WGM-LW-BRKT for WGM-LW-1</p> 
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Flex Modules



Featuring the same innovative concept as the other Wire Wizard Guide Modules, the FLEX Module is designed especially for welding applications with automated tracks, gantries and booms. The FLEX Module is built up from segments with ball-bearing rollers guiding the wire. These rollers eliminate friction and drag on the wire, providing a smooth, consistent wire feed. For wires 0,8mm – 1,6mm. The FLEX module can be used both horizontally and vertically.

Description	Part No.
Wire Guide FLEX Module per Meter	WGM-F-B
Wire Guide FLEX Module End Cap Kit	WGM-F2-ECK

