



UTILITY SOLUTIONS



MADE IN THE
★ USA ★

Champion Duct® Advantages

Champion Duct Conduit offers the following benefits:



Enhanced Performance Over Other Conduit Systems

Champion Fiberglass features a weight that's up to 1/5 that of comparably sized steel conduit.

- Light weight contributes to installation ease, savings and safety
- Corrosion resistance to many chemicals
- No burn-through on elbows
- One of the lowest coefficients of friction of any in-market product
- Ability to retain its shape after impact or compression
- Withstands extreme conditions and temperatures
- Cable fault resistance – fiberglass duct will not melt or weld the wire to the inside of the conduit under fault conditions
- Extended UL Listed support spacing distances rival rigid steel conduit support spans



Lower Installation Costs

- The lowest man-hour installation rates for most diameters of electrical duct according to the National Electrical Contractors Association (NECA) Manual of Labor Units
- Lower total installation costs (labor plus material costs) for most diameters

Champion Duct® Engineering

Champion Duct Conduit meets the following specifications and requirements:

UL and Other Listings

- Standard Wall, Medium Wall (UL designates Champion Fiberglass MW for 5" and 6" as SW), and Heavy Wall conduits are UL Listed for newly expanded support spacing distances
- UL 2515 Listed for above and below ground installations
- UL 2420 Listed for below-ground installations
- CSA listed per CSA-22.2 No 211.3-96 standards
- CEC (Canadian Electrical Code), Article 12-200, Rigid RTRC Conduit
- NEC (National Electrical Code), Article 355 as Reinforced Thermosetting Resin Conduit
- ISO 9001 – Certified in quality management systems for over a decade
- ISO 14001 – World's premier environmental management certification
- ISO 45001 – Certified occupational health and safety management systems

Get No Burn-Through Elbows

12

RADIUS

2" IPS x 90

24

RADIUS

2/3/4" IPS x 90

**36/48/
60**

RADIUS

2/3/4/5/6" IPS x 90



Champion Fiberglass® Elbows promote successful outcomes with:

- Lighter weight than GRC and PVC-coated steel
- Lower material and installation cost
- Low coefficient of friction that leads to no burn-through
- High dielectric strength
- Streamlined installation

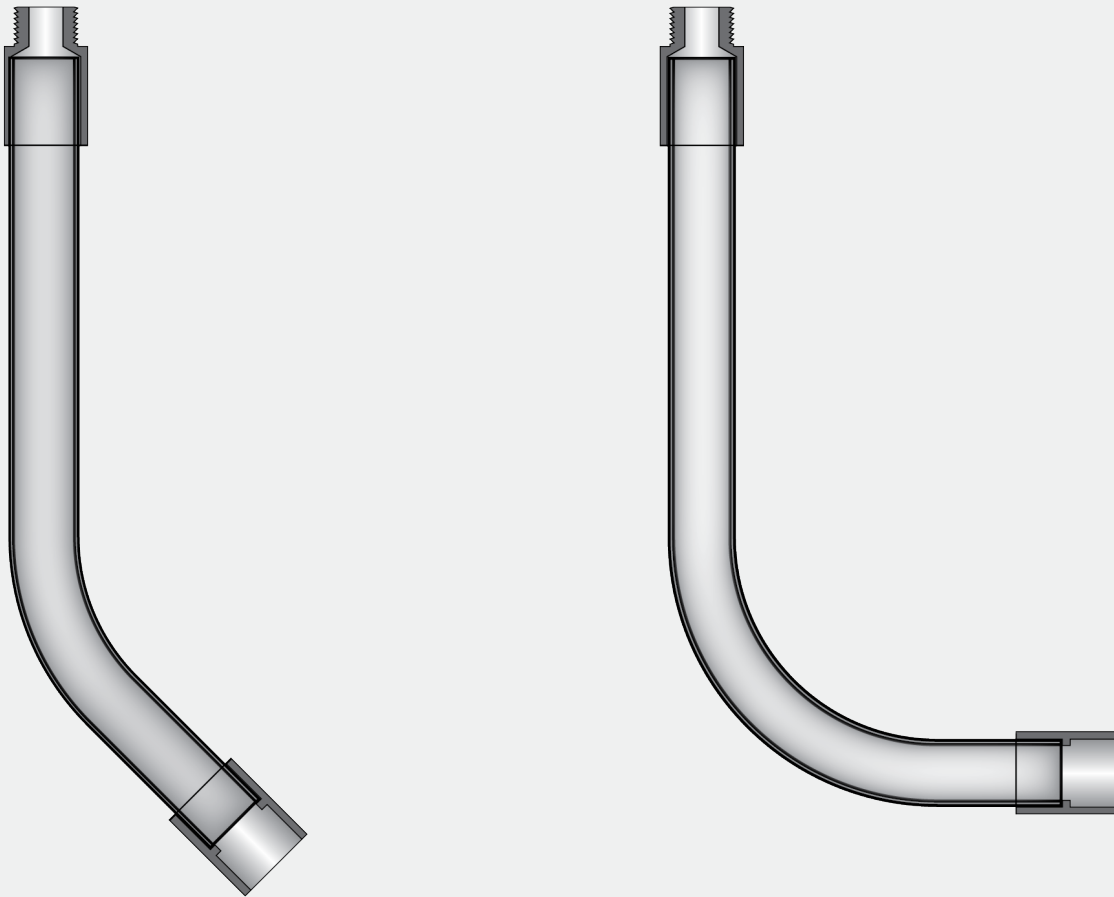
Champion Fiberglass manufactures the most dependable conduit, strut and hangers in our class. We go further, exceed quality standards and create installations that are built to last. Champion Fiberglass helps you Do More® on every project.



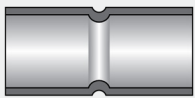
Utility Risers

Champion provides sizes 2" - 6" for Utility Risers

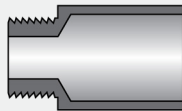
Champion now offers Utility Risers! These Utility Risers provide corrosion-resistant protection for underground utility services cabling where they emerge from the ground. Fiberglass Utility Risers eliminate the labor & material costs commonly associated with wrapping GRC risers with costly non-corrosive tape. The lightweight, inexpensive cost as well as the labor installation savings make Champion Fiberglass Utility Risers the right choice! Our Utility Risers are provided with a standard PVC sleeve coupling and PVC male adapter transitions.



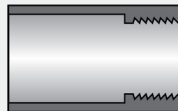
Alternate transitions (as shown below) and lengths are available but may alter the lead times.



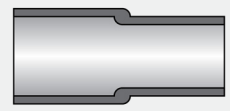
Straight PVC Deep Socket Coupling



Male Adapters (PVC or Fiberglass)



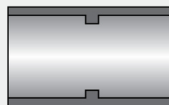
Female Adapters (PVC or Fiberglass)



PVC Stubs



Deep Socket PVC Coupling bonded onto fiberglass riser



PVC Coupling

Interference Gasketed Conduit

Our gasketed interference joint combines the strength of the interference joint with a gasket that doubles the pull-out strength of the joint and makes the joint watertight - this is all possible without the use of epoxy adhesive. The epoxy-free joining system allows for quick installation of duct banks and other underground systems, not only for straight lengths, but for elbows, fittings and other adapters.

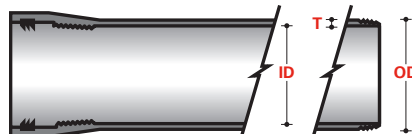
This innovative system allows the end user to conceivably make an entire underground duct system without ever having to use epoxy adhesive. Gasketed joints can be adhered to the elbows from the factory, so no field gluing is necessary. Even our end bells, male, and female adapters can all be gasketed.

Interference Gasket Conduit

	TYPE SW (STANDARD WALL) INCHES (METRIC)										
	NOMINAL SIZE	IPS ITEM NO BELOW GROUND	UL/CSA LISTED	OUTSIDE DIAMETER		MIN. INSIDE DIAMETER	NOMINAL WALL THICKNESS* (T)	LENGTH (L)	WEIGHT		
				AVERAGE	TOLERANCE				LBS/FT	KG/M	
<input type="checkbox"/>	2" (51)	20A-SW-20-G	Yes	2.375" (60)	+0.028" (0.7) -0.018" (0.4)	2.235" (57)	.070" (2)	20 ft (6.1 m)	0.38 (0.57)		
<input type="checkbox"/>	3" (76)	30A-SW-20-G	Yes	3.500" (89)	+0.028" (0.7) -0.018" (0.4)	3.360" (85)	.070" (2)	20 ft (6.1 m)	0.60 (0.90)		
<input type="checkbox"/>	4" (102)	40A-SW-20-G	Yes	4.460" (113)	+0.028" (0.7) -0.018" (0.4)	4.320" (110)	.070" (2)	20 ft (6.1 m)	0.72 (1.07)		
<input type="checkbox"/>	5" (127)	50A-SW-20-G	-	5.520" (140)	+0.028" (0.7) -0.018" (0.4)	5.380" (137)	.070" (2)	20 ft (6.1 m)	0.90 (1.34)		
<input type="checkbox"/>	6" (152)	60A-SW-20-G	-	6.575" (167)	+0.028" (0.7) -0.018" (0.4)	6.435" (163)	.070" (2)	20 ft (6.1 m)	1.00 (1.49)		
<input type="checkbox"/>	8" (203)	80A-SW-20-G	-	8.592" (218)	+0.028" (0.7) -0.018" (0.4)	8.400" (213)	.096" (2)	20 ft (6.1 m)	2.02 (3.01)		

TYPE MW (MEDIUM WALL) INCHES (METRIC)***										
<input type="checkbox"/>	5" (127)	50A-MW-20-G	Yes	5.572" (142)	+0.034" (0.9) -0.028" (0.7)	5.380" (137)	.096" (2)	20 ft (6.1 m)	1.20 (1.79)	
<input type="checkbox"/>	6" (152)	60A-MW-20-G	Yes	6.627" (168)	+0.034" (0.9) -0.028" (0.7)	6.435" (163)	.096" (2)	20 ft (6.1 m)	1.42 (2.11)	
<input type="checkbox"/>	8" (203)	80A-MW-20-G	-	8.620" (219)	+0.028" (0.7) -0.018" (0.4)	8.400" (213)	.110" (3)	20 ft (6.1 m)	2.14 (3.20)	

TYPE HW (HEAVY WALL) INCHES (METRIC)										
<input type="checkbox"/>	4" (102)	40A-HW-20-G	Yes	4.512" (115)	+0.028" (0.7) -0.022" (0.6)	4.320" (110)	.096" (2)	20 ft (6.1 m)	0.97 (1.44)	
<input type="checkbox"/>	5" (127)	50A-HW-20-G	Yes	5.600" (142)	+0.034" (0.9) -0.028" (0.7)	5.380" (137)	.110" (3)	20 ft (6.1 m)	1.32 (1.96)	
<input type="checkbox"/>	6" (152)	60A-HW-20-G	Yes	6.655" (169)	+0.034" (0.9) -0.028" (0.7)	6.435" (163)	.110" (3)	20 ft (6.1 m)	1.63 (2.43)	
<input type="checkbox"/>	8" (203)	80A-HW-20-G	-	8.650" (220)	+0.028" (0.7) -0.018" (0.4)	8.400" (213)	.125" (3)	20 ft (6.1 m)	2.43 (3.62)	



* Actual wall thickness is that required to meet the performance requirements for specifications. Other wall thicknesses are available by special request.

** When ordering 10 ft (3.05 m) lengths, half of the order will be supplied with interference joint and half with straight socket joint.

*** UL designates Champion Fiberglass MW for 5" and 6" as SW.

Weight Comparison: Fiberglass vs SCH 40 vs HDPE (SW IPS - lbs/per 100 ft)

Fiberglass conduit offers the lowest weight and is still very rigid.

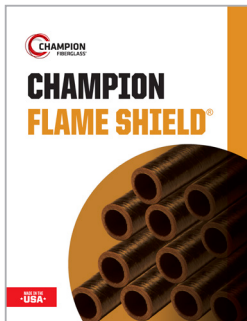
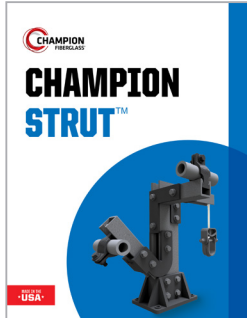
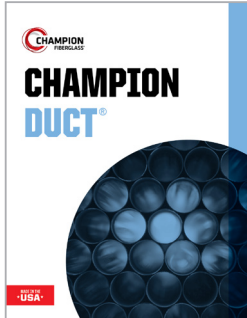
		SCH 40	HDPE	FIBERGLASS
<input type="checkbox"/>	2"	73	62.845	38*
<input type="checkbox"/>	3"	164	136.360	60*
<input type="checkbox"/>	4"	234	225.483	72*
<input type="checkbox"/>	5"	318	344.761	120**
<input type="checkbox"/>	6"	412	488.619	142**





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Champion Fiberglass is also a manufacturer of the following products:



Learn more:

ELBOWS



UTILITY RISERS



INTERFERENCE GASKETED CONDUIT



For a complete catalog, go to:
championfiberglass.com

DO MORE.®

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