



Champion Fiberglass Elbows. No Burn Through. All the Benefits.



Since 1988, Champion Fiberglass, Inc. has set the standard for Reinforced Thermosetting Resin Conduit (RTRC). UL Listed and NEC-recognized **Champion Duct®** and **Champion Haz Duct®** elbows are available in sizes ranging from 3/4" – 6". Additional sizes from 8" – 12" are available (non-UL Listed).

Champion Fiberglass offers the best solution for standard long radius and custom elbows. We have an assortment of transition and termination options available for use with our fiberglass electrical conduit system or many other conduit systems.

We also offer a complete line of fiberglass conduit products including: fittings, strut and bridge hangers. Utilities, electrical contractors, and specifying engineers choose our fiberglass products for an electrical conduit system with a long life and low maintenance.

OUR FIBERGLASS ELBOW ADVANTAGES

- **Low Coefficient of Friction**
Consistently one of the lowest coefficients of friction of any conduit system. Allows for long conduit runs without a pull box.
- **No Burn Through**
A low coefficient of friction and a single-circuit winding process keep cables from burning through the fiberglass elbow and damaging the cable.
- **Easy to Install**
 - When using two deep socket PVC couplings, the fiberglass elbows are easily glued in place using PVC Solvent Cement.
 - When using a deep socket coupling and a female adapter, our fiberglass elbows are easily transitioned between PVC and rigid steel conduit systems.
- **Light Weight**
Compare a 4", 90° x 36° radius elbow:
8.5 lbs – fiberglass w/ two PVC couplings
64 lbs – galvanized rigid steel
- **Excellent Corrosion Resistance**
Broadest range of corrosion resistance of any conduit system.
- **Not Affected by Cable Faults**
Will not melt fiberglass conduit or weld the cable to the conduit.
- **Excellent Insulator**
Because fiberglass conduit is non-conductive, grounding bushings and exothermic grounding are not required for protection during a cable fault.
- **UL Listed**
Use our UL 2515 for Above Ground and UL 2420 for Below Ground.
- **UV Stable**
Maintains its mechanical/physical properties when exposed to the damaging effects of UV sunlight.
- **Cost Effective**
Comparable installed systems give fiberglass conduit the price advantage.

COMMON PART NUMBERS W/ 2 PVC DEEP SOCKET COUPLINGS

SIZE		DESCRIPTION	PART NUMBER
2"	SW	45° x 24" radius, above ground	20CSW812D
2"	SW	45° x 36" radius, above ground	20CSW822D
2"	SW	90° x 24" radius, above ground	20CSW912D
2"	SW	90° x 36" radius, above ground	20CSW922D
2-1/2"	SW	45° x 24" radius, above ground	25CSW812D
2-1/2"	SW	45° x 36" radius, above ground	25CSW822D
2-1/2"	SW	90° x 24" radius, above ground	25CSW912D
2-1/2"	SW	90° x 36" radius, above ground	25CSW922D
3"	SW	45° x 36" radius, above ground	30CSW822D
3"	SW	45° x 48" radius, above ground	30CSW832D
3"	SW	90° x 36" radius, above ground	30CSW922D
3"	SW	90° x 48" radius, above ground	30CSW932D
4"	SW	45° x 36" radius, above ground	40CSW822D
4"	SW	45° x 48" radius, above ground	40CSW832D
4"	SW	90° x 36" radius, above ground	40CSW922D
4"	SW	90° x 48" radius, above ground	40CSW932D
4"	HW	45° x 36" radius, above ground	40CHW822D
4"	HW	45° x 48" radius, above ground	40CHW832D
4"	HW	90° x 36" radius, above ground	40CHW922D
4"	HW	90° x 48" radius, above ground	40CHW932D
5"	MW	45° x 48" radius, above ground	50CMW832D
5"	MW	45° x 60" radius, above ground	50CMW842D
5"	MW	90° x 48" radius, above ground	50CMW932D
5"	MW	90° x 60" radius, above ground	50CMW942D
5"	HW	45° x 48" radius, above ground	50CHW832D
5"	HW	45° x 60" radius, above ground	50CHW842D
5"	HW	90° x 48" radius, above ground	50CHW932D
5"	HW	90° x 60" radius, above ground	50CHW942D
6"	MW	45° x 48" radius, above ground	60CMW832D
6"	MW	45° x 60" radius, above ground	60CMW842D
6"	MW	90° x 48" radius, above ground	60CMW932D
6"	MW	90° x 60" radius, above ground	60CMW942D
6"	HW	45° x 48" radius, above ground	60CHW832D
6"	HW	45° x 60" radius, above ground	60CHW842D
6"	HW	90° x 48" radius, above ground	60CHW932D
6"	HW	90° x 60" radius, above ground	60CHW942D

ELBOWS ARE AVAILABLE IN:

- Sizes 3/4" to 12"
- Other radii including very large radii
- Other angles as standard (11-1/4°, 22-1/2°, 30°)
- Below ground or above ground
- Plain end for fiberglass conduit systems
- Various factory installed fiberglass fittings
- Standard PVC fittings on some sizes