



TRANSITION FITTINGS

BR-2-0200

Strong and Reliable Metal-to-Plastic Transitions



Spears Threaded Brass Insert and Stainless Steel Collar are molded-in-place as an integral part of each fitting for superior strength. Secondary O-ring seal compensates for expansion and contraction variations between materials. Low profile design accommodates streamline installation.

Patented Design

Computer engineered design minimizes stress problems normally associated with metal-to-plastic piping system transitions. Spears patented design is backed by over twenty-five years of research and fitting development.

Superior Metal-to-Plastic Transition

Strong Industrial grade metal-to-plastic Schedule 80 Transition Fittings feature molded-in-place brass threads with form-compressed O-ring for optimum expansion and contraction barrier, ASTM Schedule 80 slip sockets and ANSI spec tapered pipe threads for leak-tight connections.

Chemical and Corrosion Resistance

Manufactured from high quality PVC and CPVC materials for superior chemical and corrosion resistance. Stainless Steel external collar reinforcement.

Popular Configurations

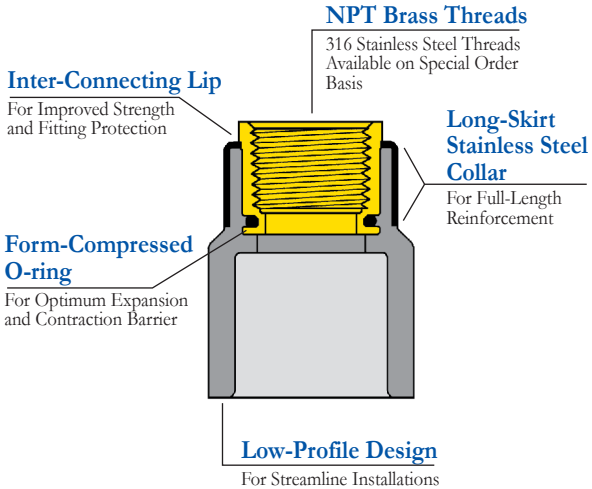
Adapters, tees, elbows and unions available in sizes ranging from 1/2" through 2" IPS.

Temperature Capabilities

Spears Transition Fittings are suitable for service temperatures up to 140°F (60°C) in PVC and 200°F (93°C) in CPVC.*

* According to applicable pressure derating at elevated temperatures. For additional information on pressure ratings or chemical and corrosion resistance, please contact Spears Technical Services Department.

U.S. Patent No. 5,437,481



Sample Engineering Specification

All Transition Fittings are to be produced by Spears Manufacturing Company from PVC Type I, Cell Classification 12454, or CPVC Type IV, Cell Classification 23447. All transition fittings shall be designated as Schedule 80. All transition fittings shall contain a molded-in-place Threaded Brass Insert conforming to ANSI B1.20.1 internal tapered pipe thread dimensions with internal O-ring seal. An external Stainless Steel Collar reinforcement shall be incorporated over the effective thread length.

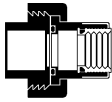


**PROGRESSIVE PRODUCTS FROM
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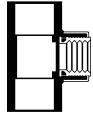


Unions
Slip x Brass Fipt



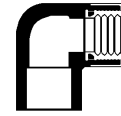
Size	PVC Schedule 40 White Part Number	w/Buna-N w/EPDM O-ring Seal	PVC Schedule 80 Part Number	w/Viton® w/EPDM O-ring Seal	CPVC Schedule 80 Part Number	w/Viton® w/EPDM O-ring Seal
1	459-010BR	499-010BR	859-010BR	899-010BR	859-010CBR	899-010CBR
1-1/4	459-012BR	499-012BR	859-012BR	899-012BR	859-012CBR	899-012CBR
1-1/2	459-015BR	499-015BR	859-015BR	899-015BR	859-015CBR	899-015CBR
2	459-020BR	499-020BR	859-020BR	899-020BR	859-020CBR	899-020CBR

Tees
Slip x Slip x Brass Fipt



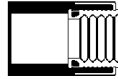
Size	PVC Schedule 80 Part Number	CPVC Schedule 80 Part Number
1/2	802-005BR	802-005CBR
3/4	802-007BR	802-007CBR
3/4 x 3/4 x 1/2	802-101BR	802-101CBR

90° Ells
Slip x Brass Fipt



Size	PVC Schedule 80 Part Number	CPVC Schedule 80 Part Number
1/2	807-005BR	807-005CBR
3/4	807-007BR	807-007CBR
3/4 x 1/2	807-101BR	807-101CBR

Female Adapters
Slip x Brass Fipt



Size	PVC Schedule 80 Part Number	CPVC Schedule 80 Part Number
1/2	835-005BR	835-005CBR
3/4	835-007BR	835-007CBR
1	835-010BR	835-010CBR
1-1/4	835-012BR	835-012CBR
1-1/2	835-015BR	835-015CBR
2	835-020BR	835-020CBR
3/4 x 1/2	835-101BR	835-101CBR

**316 Stainless Steel Thread
Transition Fittings**

Unions, Tees, 90° Ells and Female Adapters are also available with 316 Stainless Steel Thread Inserts on special order basis. Direct inquiries to your servicing Spears Regional Distribution Center.

Viton® is a registered trademark of DuPont Dow Elastomers.

For pricing and availability, please contact your servicing Spears Regional Distribution Center.

NOT FOR USE WITH COMPRESSED AIR OR GASES



SPEARS® MANUFACTURING COMPANY

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