

# TRANSITION FITTINGS

BR-2-0305

## Strong and Reliable Metal-to-Plastic Transitions



### 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 metal 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.

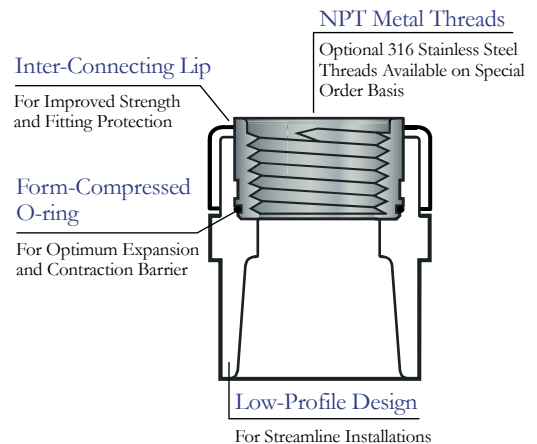
### Popular Configurations

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.\*

Spears® Threaded Metal 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.

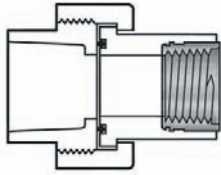


## Sample Engineering Specification

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 contain a molded-in-place Threaded Metal Insert conforming to ANSI B1.20.1 internal tapered pipe thread dimensions with internal O-ring seal.

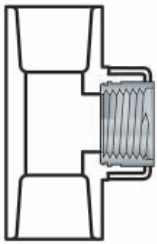
\* Applicable pressure deratings at elevated temperatures apply. For additional information on pressure ratings or chemical and corrosion resistance, please contact Spears® Technical Services Department.





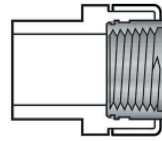
**Unions**  
Soc x Fipt

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



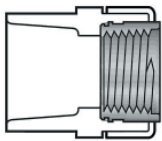
**Transition Tee**  
Soc x Soc x Fipt

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



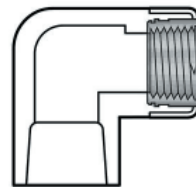
**Transition Female  
Adapter**  
Spig x Fipt

Size	PVC Schedule 80 Part Number	CPVC Schedule 80 Part Number
1	878-010BR	878-010CBR



**Transition Female  
Adapter**  
Soc x 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



**Transition 90° Ell**  
Soc x 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

**Optional 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 Elastomers.