



TRANSITION FITTINGS

BR-2-0407

Strong and Reliable Metal-to-Plastic Transitions



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.

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

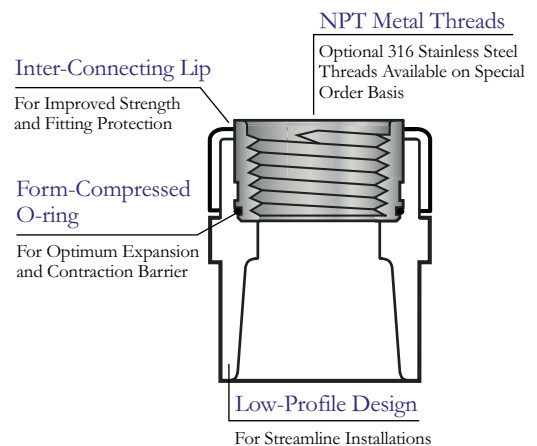
Manufactured from high quality PVC and CPVC materials for superior chemical and corrosion resistance.

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.*



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.



**PROGRESSIVE PRODUCTS FROM
SPEARS® INNOVATION & TECHNOLOGY**

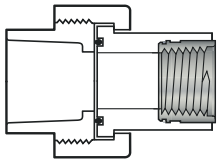
Visit our web site: www.spearsmfg.com



Quality Systems Certificate No. 293
Corporate Facilities, Sylmar, CA
Assessed to ISO 9001: 2000

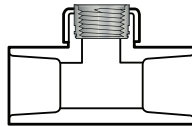
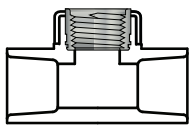
Sample Configurations

See Price Schedules for Complete Selections



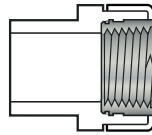
Unions
Soc x Fipt

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	859-010CBR	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



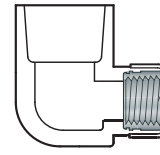
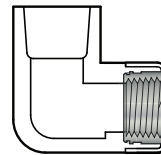
Transition Tee Soc x Soc x Fipt

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



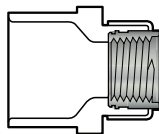
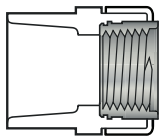
**Transition Female
Adapter**
Spig x Fipt

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



Transition 90° Ell Soc x Fipt

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



Transition Female Adapter Soc x Fipt

Size	PVC Schedule 80 Part Number	CPVC Schedule 80 Part Number
	1/2	835-005BR
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

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.

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

NOT FOR USE WITH COMPRESSED AIR OR GASES



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