



# Transition Fittings with Stainless Steel Inserts

SST-2-0325

## Strong and Reliable Metal-to-Plastic Transitions



Spears® Threaded Stainless 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 streamlined 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 fifty-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

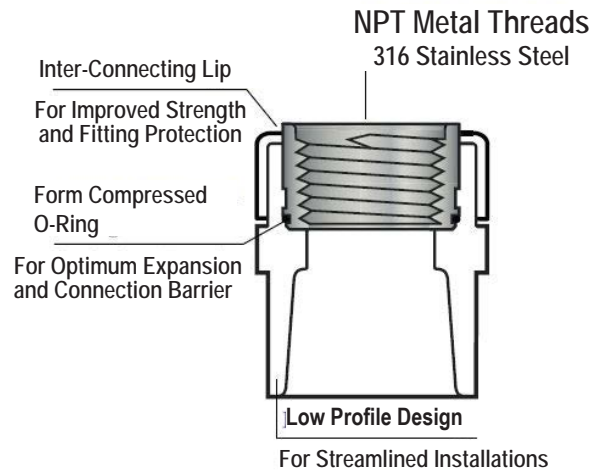
Manufactured from high quality PVC and CPVC materials for superior chemical and corrosion resistance. Choice of EPDM or FKM O-rings expand application usage.

### Popular Configurations

Adapters and unions available in sizes ranging from 1/2" through 2" IPS in certain configurations.

### 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.\*



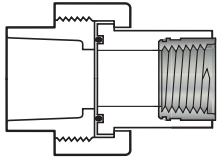
### Sample Engineering Specification

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 - (818) 364-1611.

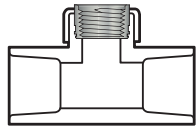
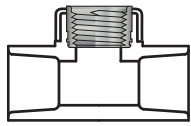
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# Sample SS Transition Fitting Configurations



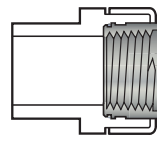
Unions  
Soc x Fipt

Size	PVC Schedule 40 White		PVC Schedule 80		CPVC Schedule 80
	Part Number		Part Number		Part Number
	w/ Buna-N O-ring Seal	w/ EPDM O-ring Seal	w/ FKM O-ring Seal	w/ EPDM O-ring Seal	w/ FKM O-ring Seal
1/2	NA	NA	859-005SS	899-005SS	859-005CSS
3/4	NA	NA	859-007SS	899-007SS	859-007CSS
1	459-010SS	499-010SS	859-010SS	899-010SS	859-010CSS
1-1/4	NA	NA	859-012SS	NA	859-012CSS
1-1/2	NA	NA	859-015SS	899-015SS	859-015CSS
2	NA	NA	859-020SS	899-020SS	859-020CSS



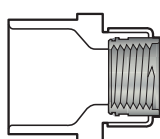
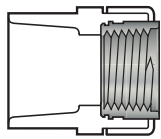
Transition Tee Soc x Soc x Fipt

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



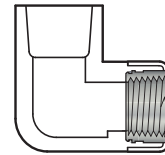
Transition Female  
Adapter  
Spig x Fipt

Size	PVC	CPVC
	Schedule 80 Part Number	Schedule 80 Part Number
1/2	878-005SS	878-005CSS
3/4	878-007SS	878-007CSS
1	878-010SS	878-010CSS
1/2 X 1/4	878-072SS	878-072CSS



Transition Female Adapter Soc x Fipt

Size	PVC	CPVC
	Schedule 80 Part Number	Schedule 80 Part Number
1/2	835-005SS	835-005CSS
3/4	835-007SS	835-007CSS
1	835-010SS	835-010CSS
1- 1/4	835-012SS	835-012CSS
1- 1/2	835-015SS	835-015CSS
2	835-020SS	835-020CSS



Transition 90° Ell Soc x Fipt

Size	PVC	CPVC
	Schedule 80 Part Number	Schedule 80 Part Number
1/2	807-005SS	807-005CSS

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



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