



TRANSITION FITTINGS OVERVIEW

Spears® Transition fittings are designed primarily for adapting plastic-to-metal systems. These fittings, especially the Special Reinforced (SR) Female Plastic Thread style, can also be used for superior strength in make-up of plastic threaded joints. Spears® offers a variety of transition adapter fittings specified below. All have standard ASTM socket sizes for IPS pipe and NPT threads, except for the Gasket Sealed style that uses a straight thread with elastomer seal. All other threads should be assembled with a quality grade thread sealant that is compatible with plastics.

Warning: Some pipe joint compounds or PTFE pastes may contain substances that could cause stress cracking in thermoplastic materials. Spears® recommends the use of Spears® **BLUE 75™** thread sealant that has been tested for compatibility with Spears® products. Choice of any other appropriate thread sealant is at the discretion of the installer.

Special Reinforced (SR) Thread Fittings: This patented fitting features all-plastic female thread construction that reduces problems associated with over-tightening of female plastic pipe threads. The external reinforcing collar is not just an added reinforcement ring, this unique precompression design compensates for expansion forces generated from tapered pipe thread joint make-up. Radial stress is reduced in normal installations and contained in severe over-tightening situations. The all-plastic internal construction provides for the maximum in chemical and corrosion benefits. Its solid construction and reliability make the SR our best transition design for all applications.

Brass Thread Fitting: This patented fitting features a molded-in-place brass thread with external reinforcing collar as an integral part of each fitting for superior strength. An internal form-compressed O-ring seal compensates for expansion and contraction variations between materials. Excellent as a metal-to-plastic transition adapter fitting.

Male Brass Thread Fitting: Developed for Copper Tube Size (CTS) hot-and-cold water distribution systems, this male brass thread alternative is the only metal thread design of its type that has the metal component lined with plastic for improved fitting construction and minimal exposure. Excellent for transition to female metal threads in a CTS system.

Gasket Sealed Thread Fittings: Also developed for Copper Tube Size (CTS) hot-and-cold water distribution systems, this female threaded fitting features all plastic internal construction for maximum corrosion resistance. The fitting incorporates straight-threads for mechanical connection, while sealing is accomplished through an internal elastomer gasket or O-ring against the pipe face. No sealants are used.

APPROVALS

Except where otherwise specified, Spears® Transition Fittings/Materials are approved for use in potable water systems by NSF® International under ANSI/NSF® Standard 61, Drinking Water System Components - Health Effects.

CPVC Orange Fittings in this price schedule (4200 series part numbers) are approved by Underwriters Laboratories, FM Global, and LPCB for use in CPVC Fire Sprinkler Systems. When installed in these system, installation must be made in accordance with Spears® publication FG-3, *FlameGuard® CPVC Fire Sprinkler Products Installation Manual*, and local codes. However, these fittings can also be used in many other types of installations. CPVC fittings may also be used on PVC pipe when installed using a quality CPVC solvent cement meeting the requirements of ASTM F 493, Standard Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride)(CPVC) Plastic Pipe and Fittings.

Transition Fittings & Adapters
PVC Gray Special Reinforced (SR) Fittings

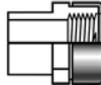


Part Number	Size	Std Pk	Mstr Ctn	Disc Code
-------------	------	--------	----------	-----------

Encapsulated Special Reinforced Female Adapter
 (continued)
Soc x ESR Fipt

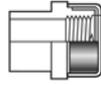
835-003ESR	3/8	25	300	086
835-005ESR	1/2	25	300	086
835-007ESR	3/4	25	300	086
835-010ESR	1	25	200	086
835-012ESR	1-1/4	10	80	086
835-015ESR	1-1/2	10	80	086
835-020ESR	2	10	0	086

Special Reinforced Spigot Female Adapter
Spig x SR Fipt - Stainless Steel Collar



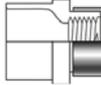
878-005SR	1/2	50	600	086
878-007SR	3/4	25	300	086
878-010SR	1	50	0	086
878-012SR	1-1/4	25	0	086
878-015SR	1-1/2	25	0	086
878-020SR	2	15	0	086
878-030SR	3	5	0	086
878-040SR	4	5	0	086

Encapsulated Special Reinforced Spigot Female Adapter
Spig x ESR Fipt



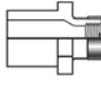
878-005ESR	1/2	50	600	086
878-007ESR	3/4	25	300	086
878-010ESR	1	50	0	086
878-012ESR	1-1/4	25	0	086
878-015ESR	1-1/2	25	0	086
878-020ESR	2	15	0	086

Special Reinforced Reducing Female Adapter
Soc x SR Fipt - Stainless Steel Collar



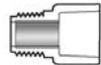
835-074SR	1/2X3/4	50	400	086
835-101SR	3/4X1/2	50	400	086
835-102SR	3/4X1	50	0	086
835-130SR	1X1/2	50	0	086
835-131SR	1X3/4	25	200	086

Special Reinforced Reducing Spigot Female Adapter
Spig x SR Fipt - Stainless Steel Collar



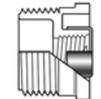
878-072SR	1/2X1/4	25	450	086
878-098SR	3/4X1/4	50	400	086
878-128SR	1X1/4	50	400	086

Reinforced Male Adapter
R Mipt x Soc - Stainless Steel Sleeve



836-005R	1/2	25	150	086
836-007R	3/4	25	300	086
836-010R	1	10	60	086

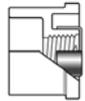
Special Reinforced Reducer Bushing
Mipt x SR Fipt - Stainless Steel Collar



839-128SR	1X1/4	25	150	086
839-209SR	1-1/2X1/2	25	300	086
839-210SR	1-1/2X3/4	25	300	086
839-247SR	2X1/2	10	60	086
839-248SR	2X3/4	10	60	086
839-249SR	2X1	10	120	086
839-420SR	4X2	6	0	086

Part Number	Size	Std Pk	Mstr Ctn	Disc Code
-------------	------	--------	----------	-----------

Special Reinforced Reducer Bushing Flush Style



Spig x SR Fipt - Stainless Steel Collar

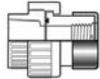
838-128SR	1X1/4	25	150	086
838-166SR	1-1/4X1/2	25	100	086
838-207SR	1-1/2X1/4	25	200	086
838-209SR	1-1/2X1/2	10	60	086
838-210SR	1-1/2X3/4	25	200	086
838-247SR	2X1/2	10	80	086
838-248SR	2X3/4	10	80	086
838-249SR	2X1	10	80	086
838-334SR	3X3/4	10	0	086
838-335SR	3X1	10	0	086
838-336SR	3X1-1/4	10	0	086
838-337SR	3X1-1/2	10	0	086
838-528SR	6X2	5	0	086
838-530SR	6X3	5	0	086
838-532SR	6X4	5	0	086

Special Reinforced Cap
SR Fipt - Stainless Steel Collar



848-002SR	1/4	25	500	086
848-003SR	3/8	25	450	086
848-005SR	1/2	50	300	086
848-007SR	3/4	25	300	086
848-030SR	3	5	0	086

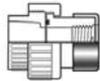
Special Reinforced Union 2000
Soc x SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8099-005SR	1/2	20	160	086
8099-007SR	3/4	20	80	086
8099-010SR	1	15	90	086
8099-012SR	1-1/4	10	0	086
8099-015SR	1-1/2	10	0	086
8099-020SR	2	5	0	086
8099-025SR	2-1/2	5	0	086
8099-030SR	3	5	0	086
8099-040SR	4	4	0	086
8099-060SR	6	1	0	086

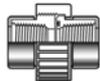
Special Reinforced Union 2000
Soc x SR Fipt with FKM O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8059-005SR	1/2	20	160	086
8059-007SR	3/4	20	80	086
8059-010SR	1	15	90	086
8059-012SR	1-1/4	10	0	086
8059-015SR	1-1/2	10	0	086
8059-020SR	2	5	0	086
8059-025SR	2-1/2	5	0	086
8059-030SR	3	5	0	086
8059-040SR	4	4	0	086
8059-060SR	6	1	0	086

Special Reinforced Union 2000
SR Fipt with EPDM O-ring Seal - Stainless Steel Collar



235 psi Maximum Internal Pressure Rating @ 73°F (23°C)

8098-005SR	1/2	20	120	086
8098-007SR	3/4	20	80	086
8098-010SR	1	15	90	086