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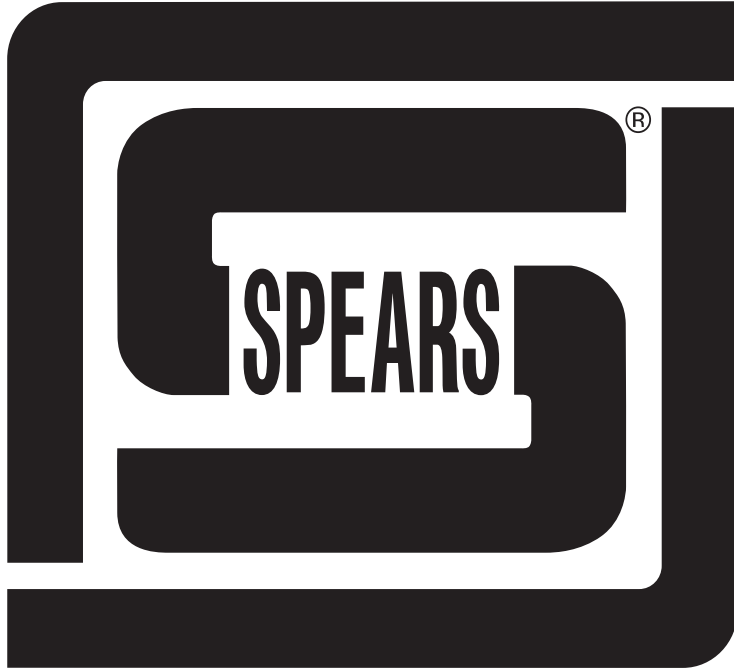
Discount Code(s): 043 PVC Sch. 40 Gray Molded Fittings thru 8" \_\_\_\_\_

044 PVC Sch. 40 Gray Molded Fittings 10" & Larger \_\_\_\_\_

045 PVC Sch. 40 Gray Fabricated Fittings \_\_\_\_\_

*Item prices may have changed from those shown in this sheet.*

*See Spears® On-line Catalog for most current pricing, updated daily.*



# PVC Gray Schedule 40 Fittings



Quality Systems Certificate No. 293  
Corporate Facilities, Sylmar, CA  
Assessed to ISO 9001: 2008

Visit our web site:  
[www.spearsmfg.com](http://www.spearsmfg.com)

PRICE SCHEDULE 40G-1-0910

Effective September 26, 2010

Supersedes 40G-1-1009



# PVC Gray Schedule 40 Fittings

## HOW TO USE THIS CATALOG

Spears® PVC Gray Schedule 40 Fittings, Unions & Saddles catalog has been arranged for easy use in selection of desired products according to part number, size, packaging and pricing information. A complete listing of content is located at the end of this catalog. Additional information on individual product dimensions can be found in Spears® publication 40-4, PVC White Schedule 40 Fittings, Unions & Saddles Weights & Dimensions.

## ORGANIZATION

Products in this catalog are listed in columns by type and configuration. Similar configuration types are grouped together, such as Tees, then Elbows, etc.

## COLUMN HEADER INFORMATION

Each product column header label identifies the following product particulars:

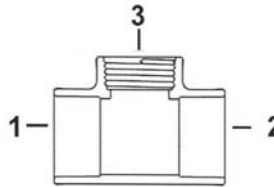
Part Number	the number used to order the part.
Size	nominal diameter of pipe with which the fitting is to be used. NOTE: Fittings may be same size (only one size designation) or reducing (multiple sizes designated).
Standard Pack (Std Pk)	the quantity of parts packaged in an individual box or bag.
Master Carton (Mstr Ctn)	the total quantity of parts contained in individual boxes or bags which are packaged together.
Discount Code (Disc Code)	identification code for applicable discount to the list price of the product. NOTE: This is a Product Group code and is not a calculation of discount. Discount codes are not the same for all products contained in this price schedule.
Price Each	the designated list price of the product.

## PRODUCT CONFIGURATION

Each group of product configuration types is headed by the product's name and an abbreviated configuration description of the fitting outlet connections. Configuration descriptions are defined on the following page. Line drawing illustrations are general representations of the fittings in the group, but may not be an exact depiction of all configurations listed. Line drawings are correlated to the configuration description. The drawing is read left to right for Elbow and Adapter configurations. Tees have an additional outlet branch and are read left to right (run) then top (branch). Drawings for Wyes and Crosses are read top to bottom then left to right and bushings drawings are read as outside x inside configuration. The configuration description also correlates to the size designation. As with the nominal size designations, only one description is given when all outlets are the same. Reducing sizes list run configuration x branch configuration. Refer to illustration below.

### Example

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Product Name ——— Tee  
 Abbreviated ——— Soc x Fipt  
 Configuration Description

In this example, outlet description is "Soc x Fipt", which indicates:  
 1. Socket x  
 2. Socket x  
 3. Female Iron Pipe Thread

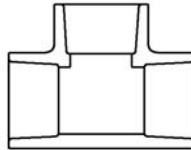
402-005G	1/2	50	300	043	1.12
402-007G	3/4	50	0	043	1.72

# PVC Gray Schedule 40 Fittings



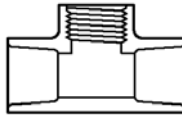
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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## Tee Soc



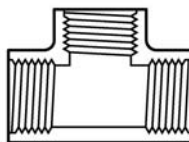
401-005G	1/2	50	300	043	.86
401-007G	3/4	50	0	043	.97
401-010G	1	50	0	043	1.80
401-012G	1-1/4	25	0	043	2.84
401-015G	1-1/2	25	0	043	3.48
401-020G	2	25	0	043	5.00
401-025G	2-1/2	10	0	043	16.55
401-030G	3	10	0	043	21.71
401-040G	4	6	0	043	39.29
401-050G	5	5	0	043	94.96
401-060G	6	4	0	043	132.33
401-080G	8	2	0	043	306.93
401-100G	10	1	0	044	1016.96
401-120G	12	1	0	044	1502.60

## Tee Soc x Fipt



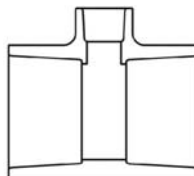
402-005G	1/2	50	300	043	1.12
402-007G	3/4	50	0	043	1.72
402-010G	1	50	0	043	3.23
402-012G	1-1/4	25	0	043	5.13

## Tee Fipt



405-005G	1/2	50	0	043	3.09
405-007G	3/4	50	0	043	4.85
405-010G	1	50	0	043	6.74
405-012G	1-1/4	25	0	043	9.32
405-015G	1-1/2	25	0	043	9.59
405-020G	2	10	0	043	12.70

## Reducing Tee Soc



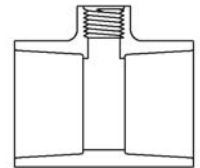
401-101G	3/4X1/2	50	0	043	1.12
401-130G	1X1/2	50	0	043	1.90
401-131G	1X3/4	50	0	043	2.06

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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## Reducing Tee (continued) Soc

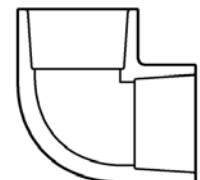
401-166G	1-1/4X1/2	25	0	043	3.10
401-167G	1-1/4X3/4	25	0	043	3.10
401-168G	1-1/4X1	25	0	043	3.10
401-209G	1-1/2X1/2	25	0	043	5.48
401-210G	1-1/2X3/4	25	0	043	5.48
401-211G	1-1/2X1	25	0	043	5.48
401-212G	1-1/2X1-1/4	25	0	043	5.48
401-247G	2X1/2	10	0	043	5.35
D401-247G	2X1/2	10	0	043	7.79
401-248G	2X3/4	10	0	043	5.35
401-249G	2X1	10	0	043	5.35
401-250G	2X1-1/4	10	0	043	5.35
401-251G	2X1-1/2	10	0	043	5.35
401-337G	3X1-1/2	10	0	043	23.64
401-338G	3X2	6	0	043	23.63
401-420G	4X2	10	0	043	39.29
401-422G	4X3	6	0	043	39.29
401-532G	6X4	2	0	043	132.33
401-585G	8X6	2	0	043	306.91

## Reducing Tee Soc x Fipt



402-101G	3/4X1/2	50	0	043	1.46
402-130G	1X1/2	50	0	043	2.24
402-131G	1X3/4	50	0	043	3.23
402-166G	1-1/4X1/2	25	0	043	5.35
402-167G	1-1/4X3/4	25	0	043	5.35
402-168G	1-1/4X1	25	0	043	5.35
402-199G	1-1/2X1-1/4X1/2	25	0	043	6.64
402-209G	1-1/2X1/2	25	0	043	6.64
402-210G	1-1/2X3/4	25	0	043	6.64
402-211G	1-1/2X1-1/2X1	25	0	043	6.64
402-212G	1-1/2X1-1/4	25	0	043	6.64
402-247G	2X1/2	10	0	043	8.38
402-248G	2X3/4	10	0	043	8.38
402-249G	2X1	10	0	043	8.38
402-250G	2X1-1/4	10	0	043	8.38
402-251G	2X1-1/2	10	0	043	8.38

## 90° Ell Soc



406-003G	3/8	50	600	043	3.40
406-005G	1/2	50	400	043	.68
406-007G	3/4	50	300	043	.76



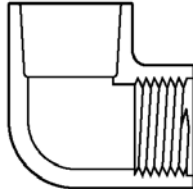
# PVC Gray Schedule 40 Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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### 90° EII (continued)

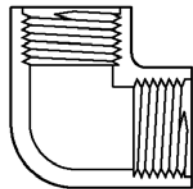
#### Soc

406-010G	1	50	0	043	1.37
406-012G	1-1/4	25	0	043	2.41
406-015G	1-1/2	25	0	043	2.55
406-020G	2	25	0	043	4.11
406-025G	2-1/2	10	0	043	12.35
406-030G	3	10	0	043	14.80
406-040G	4	8	0	043	26.48
406-050G	5	4	0	043	68.45
406-060G	6	4	0	043	84.23
406-080G	8	2	0	043	216.91
406-100G	10	1	0	044	816.89
406-120G	12	1	0	044	1095.64



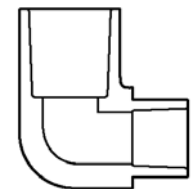
#### 90° EII Soc x Fipt

407-005G	1/2	50	400	043	.86
407-007G	3/4	50	300	043	.97
407-010G	1	50	0	043	1.80
407-012G	1-1/4	25	0	043	3.03
407-015G	1-1/2	25	0	043	3.36
407-020G	2	10	0	043	8.70



#### 90° EII Fipt

408-005G	1/2	50	400	043	1.65
408-007G	3/4	50	0	043	2.45
408-010G	1	50	0	043	5.18
408-012G	1-1/4	25	0	043	5.55
408-015G	1-1/2	25	0	043	7.01
408-020G	2	10	0	043	10.65

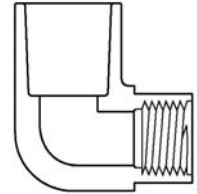


#### Reducing 90° EII Soc

406-101G	3/4X1/2	50	0	043	1.37
406-130G	1X1/2	50	0	043	2.03

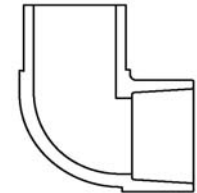
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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#### Reducing 90° EII Soc x Fipt



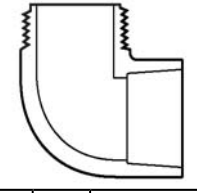
407-101G	3/4X1/2	50	300	043	1.02
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#### 90° Street EII Spig x Soc



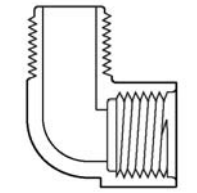
409-005G	1/2	50	400	043	1.90
409-007G	3/4	50	0	043	2.35
409-010G	1	50	0	043	4.07
409-012G	1-1/4	25	0	043	4.85
409-015G	1-1/2	25	0	043	5.35

#### 90° Street EII Mipt x Soc



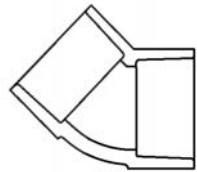
410-005G	1/2	50	400	043	1.46
410-007G	3/4	50	0	043	1.72

#### 90° Street EII Mipt x Fipt



412-005G	1/2	50	400	043	2.01
412-007G	3/4	50	0	043	2.45
412-010G	1	50	0	043	4.18
412-015G	1-1/2	25	0	043	5.63

#### 45° EII Soc



417-005G	1/2	50	400	043	1.13
417-007G	3/4	50	300	043	1.72
417-010G	1	50	0	043	2.06
417-012G	1-1/4	25	0	043	2.95
417-015G	1-1/2	25	0	043	3.66
417-020G	2	25	0	043	4.77
417-025G	2-1/2	10	0	043	12.36
417-030G	3	10	0	043	19.22

# PVC Gray Schedule 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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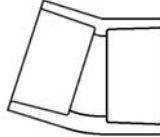
## 45° Ell (continued)

### Soc

417-040G	4	5	0	043	34.53
417-050G	5	5	0	043	68.45
417-060G	6	8	0	043	85.24
417-080G	8	3	0	043	205.00

## 22-1/2° Ell

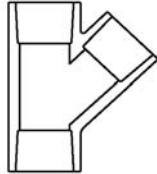
### Soc



416-060GF	6	1	5	045	87.64
416-120GF	12	1	2	045	281.56

## Wye

### Soc

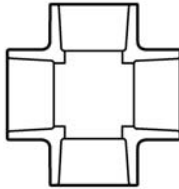


100 psi maximum internal pressure rating @ 73°F (23°C)

475-100G	10	1	0	044	1355.91
475-120G	12	0	0	044	2003.47

## Cross

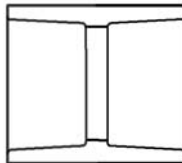
### Soc



420-005G	1/2	50	0	043	2.60
420-007G	3/4	50	0	043	4.29
420-010G	1	50	0	043	5.35
420-012G	1-1/4	25	0	043	7.09
420-015G	1-1/2	25	0	043	8.03
420-020G	2	10	0	043	11.86
420-025G	2-1/2	10	0	043	25.15
420-030G	3	5	0	043	30.83
420-040G	4	4	0	043	45.70

## Coupling

### Soc



429-005G	1/2	50	600	043	.46
429-007G	3/4	50	400	043	.64
429-010G	1	50	0	043	1.09
429-012G	1-1/4	25	150	043	1.46
429-015G	1-1/2	25	0	043	1.59
429-020G	2	25	0	043	2.48

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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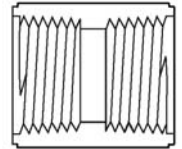
## Coupling (continued)

### Soc

429-025G	2-1/2	12	0	043	5.35
429-030G	3	10	0	043	8.40
429-040G	4	6	0	043	12.14
429-050G	5	5	0	043	22.24
429-060G	6	5	0	043	38.45
429-080G	8	8	0	043	71.76

## Coupling

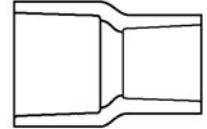
### Fipt



430-005G	1/2	50	300	043	.87
430-007G	3/4	50	400	043	1.61
430-010G	1	50	0	043	2.06

## Reducer Coupling

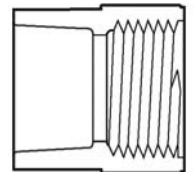
### Soc



429-101G	3/4X1/2	50	200	043	1.12
429-131G	1X3/4	50	0	043	1.90
429-168G	1-1/4X1	25	0	043	3.23
429-212G	1-1/2X1-1/4	25	0	043	3.40
429-251G	2X1-1/2	10	80	043	5.41
429-338G	3X2	8	0	043	27.64
429-422G	4X3	4	0	043	36.43

## Female Adapter

### Soc x Fipt



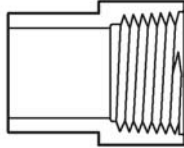
435-005G	1/2	50	600	043	.76
435-007G	3/4	50	400	043	.97
435-010G	1	50	0	043	1.13
435-012G	1-1/4	25	0	043	1.72
435-015G	1-1/2	25	0	043	2.01
435-020G	2	10	80	043	2.69
435-025G	2-1/2	10	0	043	6.77
435-030G	3	10	0	043	9.09
435-040G	4	6	0	043	15.06
435-050G	5	5	0	043	38.97
435-060G	6	5	0	043	55.35



# PVC Gray Schedule 40 Fittings

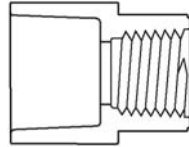
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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### Spigot Female Adapter Spig x Fipt



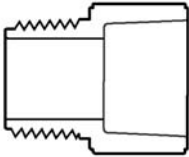
478-005G	1/2	50	600	043	.87
478-007G	3/4	25	300	043	1.01
478-010G	1	50	0	043	1.62
478-012G	1-1/4	25	0	043	2.22
478-015G	1-1/2	20	0	043	2.77
478-020G	2	20	0	043	4.07
478-030G	3	10	0	043	13.80
478-040G	4	5	0	043	22.86

### Reducing Female Adapter Soc x Fipt



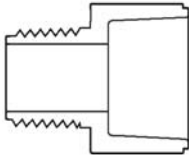
435-073G	1/2X3/8	50	600	043	1.37
435-101G	3/4X1/2	50	400	043	1.37
435-131G	1X3/4	50	0	043	1.80

### Male Adapter Mipt x Soc



436-005G	1/2	50	300	043	.60
436-007G	3/4	50	400	043	.68
436-010G	1	50	300	043	1.21
436-012G	1-1/4	25	200	043	1.46
436-015G	1-1/2	25	0	043	2.01
436-020G	2	25	0	043	2.60
436-025G	2-1/2	10	0	043	7.69
436-030G	3	10	0	043	11.28
436-040G	4	5	0	043	14.35
436-050G	5	5	0	043	23.66
436-060G	6	5	0	043	37.48

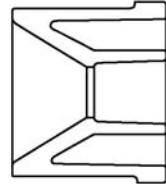
### Reducing Male Adapter Mipt x Soc



436-074G	1/2X3/4	50	200	043	1.21
436-101G	3/4X1/2	50	300	043	1.12

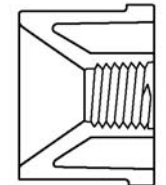
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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### Reducer Bushing Flush Style Spig x Soc



437-101G	3/4X1/2	50	300	043	.71
437-130G	1X1/2	50	200	043	1.31
437-131G	1X3/4	50	300	043	1.31
437-166G	1-1/4X1/2	25	300	043	1.72
437-167G	1-1/4X3/4	25	300	043	1.72
437-168G	1-1/4X1	25	300	043	1.72
437-209G	1-1/2X1/2	25	200	043	1.83
437-210G	1-1/2X3/4	25	200	043	1.83
437-211G	1-1/2X1	25	200	043	1.83
437-212G	1-1/2X1-1/4	25	200	043	1.83
437-247G	2X1/2	10	120	043	3.03
437-248G	2X3/4	10	120	043	3.03
437-249G	2X1	10	80	043	3.03
437-250G	2X1-1/4	10	120	043	3.03
437-251G	2X1-1/2	25	0	043	3.03
437-290G	2-1/2X1-1/4	10	0	043	4.86
437-291G	2-1/2X1-1/2	10	0	043	4.86
437-292G	2-1/2X2	10	80	043	4.86
437-334G	3X3/4	10	0	043	7.20
437-335G	3X1	10	0	043	7.20
437-336G	3X1-1/4	10	0	043	7.20
437-337G	3X1-1/2	10	0	043	7.20
437-338G	3X2	10	0	043	7.20
437-339G	3X2-1/2	10	0	043	7.20
437-420G	4X2	6	0	043	16.09
437-421G	4X2-1/2	6	0	043	16.09
437-422G	4X3	6	0	043	16.09
437-490G	5X4	5	0	043	22.60
437-532G	6X4	5	0	043	39.79
437-534G	6X5	5	0	043	39.84
437-582G	8X4	4	0	043	138.82
437-585G	8X6	4	0	043	138.82

### Reducer Bushing Flush Style Spig x Fipt



438-072G	1/2X1/4	50	300	043	1.46
438-073G	1/2X3/8	50	300	043	1.46
438-098G	3/4X1/4	50	300	043	1.46
438-101G	3/4X1/2	50	300	043	1.12
438-130G	1X1/2	50	200	043	1.80
438-131G	1X3/4	50	300	043	1.80
438-166G	1-1/4X1/2	25	100	043	2.80
438-167G	1-1/4X3/4	25	100	043	2.80

# PVC Gray Schedule 40 Fittings



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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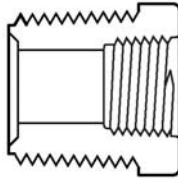
## Reducer Bushing Flush Style (continued)

### Spig x Fipt

438-168G	1-1/4X1	25	100	043	2.80
438-209G	1-1/2X1/2	25	100	043	3.23
438-210G	1-1/2X3/4	25	100	043	3.23
438-211G	1-1/2X1	25	100	043	3.23
438-212G	1-1/2X1-1/4	25	100	043	3.23
438-247G	2X1/2	10	80	043	4.29
438-248G	2X3/4	10	80	043	4.29
438-249G	2X1	10	80	043	4.29
438-250G	2X1-1/4	10	120	043	4.29
438-251G	2X1-1/2	10	120	043	4.29
438-291G	2-1/2X1-1/2	10	0	043	6.23
438-292G	2-1/2X2	10	0	043	6.23
438-338G	3X2	10	0	043	7.20
438-420G	4X2	6	0	043	16.05
438-422G	4X3	6	0	043	16.05
438-490G	5X4	4	0	043	31.28
438-532G	6X4	5	0	043	58.76

## T.T. Bushing

### Mipt x Fipt



439-101G	3/4X1/2	50	300	043	2.01
439-130G	1X1/2	50	300	043	2.80
439-131G	1X3/4	50	200	043	2.80
439-166G	1-1/4X1/2	25	300	043	4.15
439-167G	1-1/4X3/4	25	300	043	4.15
439-168G	1-1/4X1	25	150	043	4.15
439-210G	1-1/2X3/4	25	100	043	5.00
439-211G	1-1/2X1	25	100	043	5.00
439-212G	1-1/2X1-1/4	25	100	043	5.00
439-249G	2X1	10	120	043	5.35
439-250G	2X1-1/4	10	120	043	5.35
439-251G	2X1-1/2	10	60	043	5.35

## Cap

### Soc



447-003G	3/8	50	300	043	1.72
447-005G	1/2	50	300	043	.64
447-007G	3/4	50	300	043	.72
447-010G	1	50	200	043	1.13
447-012G	1-1/4	25	100	043	1.59
447-015G	1-1/2	25	0	043	1.72
447-020G	2	10	80	043	2.09

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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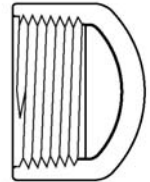
## Cap (continued)

### Soc

447-025G	2-1/2	10	0	043	6.67
447-030G	3	10	0	043	7.27
447-040G	4	6	0	043	16.55
447-050G	5	5	0	043	27.78
447-060G	6	4	0	043	39.66
447-080G	8	3	0	043	99.61

## Cap

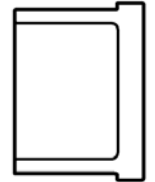
### Fipt



448-003G	3/8	50	300	043	2.35
448-005G	1/2	50	300	043	1.31
448-007G	3/4	50	300	043	1.47
448-010G	1	50	200	043	2.24
448-012G	1-1/4	25	100	043	2.67
448-015G	1-1/2	25	100	043	2.80
448-020G	2	10	120	043	4.95
448-030G	3	10	0	043	9.52
448-040G	4	6	0	043	16.67

## Plug

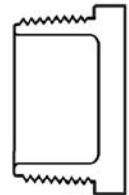
### Spig



449-005G	1/2	50	300	043	1.46
449-007G	3/4	50	300	043	1.72
449-010G	1	50	200	043	2.06
449-012G	1-1/4	25	150	043	2.80
449-015G	1-1/2	25	100	043	3.54
449-020G	2	10	120	043	4.41
449-030G	3	10	0	043	9.96

## Plug

### Mipt



450-003G	3/8	50	300	043	1.89
450-005G	1/2	50	400	043	1.83
450-007G	3/4	50	300	043	2.00
450-010G	1	50	400	043	3.23
450-012G	1-1/4	25	300	043	3.37
450-015G	1-1/2	25	100	043	3.65
450-020G	2	10	120	043	4.67
450-025G	2-1/2	10	0	043	6.49
450-030G	3	10	0	043	9.85



# PVC Gray Schedule 40 Fittings

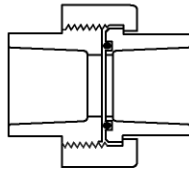
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**Plug (continued)**

**Mipt**

450-040G	4	6	0	043	22.22
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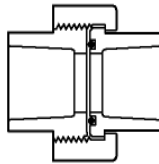
**Union  
Soc with Buna-N O-ring Seal**



150 psi @ 73°F (23°C)

457-005G	1/2	10	60	043	6.64
457-007G	3/4	10	60	043	7.62
457-010G	1	10	40	043	7.79
457-012G	1-1/4	5	20	043	25.13
457-015G	1-1/2	5	20	043	26.19
457-020G	2	5	0	043	35.30

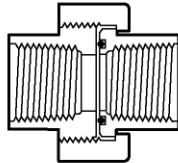
**Union  
Soc with EPDM O-ring Seal**



150 psi @ 73°F (23°C)

497-005G	1/2	10	60	043	7.32
497-007G	3/4	10	60	043	8.38
497-010G	1	10	40	043	8.56
497-012G	1-1/4	5	30	043	27.63
497-015G	1-1/2	5	20	043	28.82
497-020G	2	5	0	043	38.84

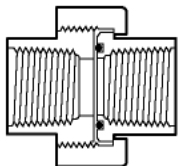
**Union  
Fipt with Buna-N O-ring Seal**



150 psi @ 73°F (23°C)

458-005G	1/2	10	60	043	7.46
458-007G	3/4	10	60	043	12.46
458-010G	1	10	40	043	17.00
458-012G	1-1/4	5	20	043	29.21
458-015G	1-1/2	5	20	043	29.85
458-020G	2	5	0	043	36.65

**Union  
Fipt with EPDM O-ring Seal**



150 psi @ 73°F (23°C)

498-005G	1/2	10	60	043	8.19
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Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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**Union (continued)**

**Fipt with EPDM O-ring Seal**

498-007G	3/4	10	60	043	13.71
498-010G	1	10	40	043	18.68
498-012G	1-1/4	5	20	043	32.04
498-015G	1-1/2	5	20	043	32.90
498-020G	2	5	0	043	40.33

## PVC Gray Schedule 40 Fittings



### LIMITED LIFETIME WARRANTY

Except as otherwise mandated by law or herein provided, Spears® Manufacturing Company ("Company") warrants Standard Catalog Products ("Products") which have been directly manufactured by them to be free from defects in material and workmanship for as long as the original intended end user of the Products ("End User") retains ownership and possession of the Products and complies with this Warranty ("Warranty Period"). Each other person or entity acquiring or employing the Products, including buyers, contractors and installers ("Buyer") and End Users ("Buyer/End User") agrees that this Warranty shall be effective only during the Warranty Period so long as the Products are used solely for the normal purposes for which they are intended and in conformance with industry established standards, engineering, installation, operating, and maintenance specifications, recommendations and instructions including explicit instructions by the Company; the Products are properly installed, operated and used, and have not been modified; and all the other terms of this Warranty are complied with. Any violation thereof shall void this Warranty and relieve Company from all obligations arising from this Warranty and the Products.

Upon receipt or discovery of any Products that appear questionable or defective each Buyer/End User shall promptly inspect and return any such Product to the Company at 15853 Olden Street, Sylmar, California 91342, accompanied by a letter stating the nature of any problems. If the Products are determined by Company to be defective in materials or workmanship directly provided by Company, Company, at its sole option, may either repair or replace the defective Products, or reimburse applicable Buyer/End User for the cost of such Products. The applicable Buyer/End User shall bear all applicable shipping costs. THIS SHALL BE BUYERS/END USERS' SOLE REMEDY. EACH BUYER/END USER AGREES THAT COMPANY WILL NOT BE RESPONSIBLE FOR ANY OTHER OBLIGATIONS RELATING TO THE PRODUCTS, INCLUDING ANY OTHER MATERIALS OR LABOR COSTS, LOSS OF USE OR ANY OTHER ITEM OR FOR ANY DELAYS IN COMPLYING WITH THIS WARRANTY BEYOND COMPANY'S REASONABLE CONTROL.

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Having previously independently inspected the Products, or a sample, as fully as desired, or having the opportunity to and having not done so, upon acceptance of delivery of the Products, and except as otherwise herein explicitly provided, each Buyer/End User by acceptance or use of the Products accepts them in their "AS IS" and "WITH ALL FAULTS" condition without any other warranty, expressed, implied or otherwise, and accepts and assumes the entire risk and cost of all servicing, remediation and consequences thereof. This Warranty shall be governed by California law and any unenforceable provisions severed without affecting the remaining provisions. As used herein, "including" includes "without limitation."



## PVC Gray Schedule 40 Fittings

### SPEARS® QUALITY POLICY

It is the policy and objective of Spears® Manufacturing Company to produce a superior quality product suitable for its intended use, with regard to functionality, structural integrity, and conformance to established industry standards and practices. It is the commitment of this Company to do so in a manner which provides consistency of product quality, optimum availability, and superior customer service, while maintaining efficiency of operations and profitability necessary to perpetuate product improvement and customer satisfaction. Furthermore, it is recognized that the attainment of these objectives is the responsibility of all Company operations and personnel according to their respective functions.

### STANDARDS & SPECIFICATIONS

Standards provide greater assurance of product performance and consistency, and are available to assist design engineers in system specification. The most frequently referenced industry standards for plastic piping systems are ASTM Standard Specifications and Practices. Along with ASTM Standards, additional product specifications and certifications form the basis of product conformance to which Spears® products are manufactured.

ASTM D 2466  
ASTM D 1784

Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40.  
Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.



National Sanitation Foundation (NSF) Standard 61 and/or 14 Plastic Fittings for Potable Water.

Material

Spears® Schedule 40 Fittings are produced from PVC Type I, Cell Classification 12454.

Prices subject to change without notice. Possession of this price schedule shall not be construed as an offer to sell the products listed. Product drawings and/or photographs are representative and may not fully reflect product configurations.

### RECOMMENDATIONS FOR INSTALLERS & USERS

Plastic piping systems should be ENGINEERED, INSTALLED, and OPERATED in accordance with ESTABLISHED DESIGN AND ENGINEERING STANDARDS AND PROCEDURES for plastic piping systems. Suitability for the intended service application should be determined by the installer and/or user prior to installation of a plastic piping system. PRIOR TO ASSEMBLY, all piping system components should be inspected for damage or irregularities. Mating components should be checked to assure that tolerances and engagements are compatible. Do not use any components that appear irregular or do not fit properly. Contact the appropriate manufacturer of the component product in question to determine usability. Consult all applicable codes and regulations for compliance prior to installation.

**SOLVENT WELD CONNECTIONS** - Use a quality grade of primer and solvent cement formulated for the type of connection, with the CORRECT SIZE APPLICATOR. Read and follow all of the solvent cement MANUFACTURER'S APPLICATION AND CURE TIME INSTRUCTIONS THOROUGHLY.

**BEFORE APPLYING PRIMER AND CEMENT**, appropriate safety precautions should be taken. Primer and Cement should be stored in the shade between 40°F and 110°F. Eliminate all ignition sources. Avoid breathing of vapors. Use only with adequate ventilation; explosion-proof general mechanical ventilation or local exhaust is recommended to maintain vapor concentrations below recommended exposure limits. In confined or partially enclosed areas, a NIOSH-approved organic vapor cartridge respirator with full face-piece is recommended. Containers should be kept tightly closed when not in use, and covered as much as possible when in use. Avoid frequent contact with skin; wearing PVA coated protective gloves and impervious apron are recommended. Avoid any contact with eyes; splash-proof chemical goggles are recommended.

**THREADED CONNECTIONS** - Use a quality grade thread sealant. WARNING: SOME PIPE JOINT COMPOUNDS OR TEFLON® PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING TO PLASTIC. Spears® Manufacturing Company recommends the use of Spears® BLUE 75™ Thread Sealant which has been tested for compatibility with Spears® products. Please follow the sealant manufacturers' application/ installation instructions. Choice of an appropriate thread sealant other than those listed above is at the discretion of the installer. 1 to 2 turns beyond FINGER TIGHT is generally all that is required to make a sound plastic threaded connection. Unnecessary OVER TIGHTENING will cause DAMAGE TO BOTH PIPE AND FITTING.

# PVC Gray Schedule 40 Fittings



## IMPORTANT

WATER HAMMER - Spears® Manufacturing Company, Inc., recommends that all PVC and CPVC plastic piping systems be designed and constructed to AVOID EXCESSIVE WATER HAMMER. Water hammer can cause damage, and failure to pipe, valves, and fittings within the piping system.

PLEASE NOTE - When temperatures rise above 73°F, the tensile strength of thermoplastics decreases, thereby derating the pipe or fitting Maximum Internal Pressure. When temperatures fall below 73°F, the tensile strength of thermoplastics increases, however, the impact strength decreases. Maximum operating temperatures for PVC piping systems should not exceed 140°F. Maximum operating temperatures for CPVC piping systems should not exceed 200°F.

CAUTION - Spears® Manufacturing Company DOES NOT RECOMMEND the use of thermoplastic piping products for systems to transport or store compressed air or gases, or the testing of thermoplastic piping systems with compressed air or gases in above and below ground locations. The use of Spears® products in compressed air or gas systems automatically voids Spears® warranty for such products, and their use against our recommendation is entirely the responsibility and liability of the installer. Spears® Manufacturing Company will not accept responsibility for damage or impairment of its products, or other consequential or incidental damages caused by misapplication, incorrect assembly, and/or exposure to harmful substances or conditions.

## NOT FOR USE WITH COMPRESSED AIR OR GASES

WARNING: DO NOT USE COMPRESSED AIR OR GAS TO TEST ANY PVC OR CPVC THERMOPLASTIC PIPING PRODUCT OR SYSTEM, AND DO NOT USE DEVICES PROPELLED BY COMPRESSED AIR OR GAS TO CLEAR SYSTEMS. THESE PRACTICES MAY RESULT IN EXPLOSIVE FRAGMENTATION OF SYSTEM PIPING AND COMPONENTS CAUSING SERIOUS OR FATAL BODILY INJURY.

## CONFIGURATION DESCRIPTIONS

Definitions of abbreviated configuration descriptions follow.

Fipt	Female Iron Pipe Thread
IPS	Iron Pipe Size
Mipt	Male Iron Pipe Thread
Soc	Solvent Weld Socket (IPS)
Spig	Spigot End (IPS)



## PVC Gray Schedule 40 Fittings

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# PVC Gray Schedule 40 Fittings



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# NOTES

# NOTES

## The Spears® Quality Policy

It is the policy and objective of Spears® Manufacturing Company to produce a superior quality product suitable for its intended use, with regard to functionality, structural integrity, and conformance to established industry standards and practices. It is the commitment of this Company to do so in a manner which provides consistency of product quality, optimum availability, and superior customer service, while maintaining efficiency of operations and profitability necessary to perpetuate product improvement and customer satisfaction. Furthermore, it is recognized that the attainment of these objectives is the responsibility of all Company operations and personnel according to their respective functions.

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