

**Insert Fittings Product**  
**Spiral Barb & Regular Insert Fittings**



Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
-------------	------	--------	----------	-----------	------

**Spiral Barb Tee - PVC**

**Spiral Barb**

3/8" Spiral Barb accepts .490 Irrigation Pipe.

1401-003	3/8	50	800	140	3.78
----------	-----	----	-----	-----	------



**Spiral Barb Tee - PVC**

**Insert x Insert x Spiral Barb**

3/8" Spiral Barb accepts .490 Irrigation Pipe.

1401-099	3/4X3/8	25	450	140	6.86
1401-129	1X3/8	25	200	140	7.48



**Spiral Barb 90° Ell - PP**

**Mipt x Spiral Barb**

3/8" Spiral Barb accepts .490 Irrigation Pipe.

1413-073	1/2X3/8	50	200	140	2.71
1413-099	3/4X3/8	50	200	140	2.71



**Spiral Barb Coupling - PVC**

**Spiral Barb x Spiral Barb**

3/8" Spiral Barb accepts .490 Irrigation Pipe.

1429-003	3/8	50	300	140	4.07
----------	-----	----	-----	-----	------



**Spiral Barb Coupling - PVC**

**Insert x Spiral Barb**

3/8" Spiral Barb accepts .490 Irrigation Pipe.

1429-099	3/4X3/8	50	600	140	4.44
1429-129	1X3/8	50	200	140	4.74



**Spiral Barb Male Adapter - PP**

**Mipt x Spiral Barb**

3/8" Spiral Barb accepts .490 Irrigation Pipe.

1436-073	1/2X3/8	50	300	140	2.71
1436-099	3/4X3/8	50	300	140	2.71



**Insert Adapter - PVC White**

**Insert x I.P.S. Spigot**

460-005	1/2	50	300	040	4.73
460-007	3/4	50	200	040	6.19
460-007N	3/4X3/4X1/2	50	200	040	6.19
460-010	1	50	0	040	6.48



Made in the U.S.A.

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas  
 See MSRP-1 Sheet or Check Spears® On-line Catalog @ [www.spearsmfg.com](http://www.spearsmfg.com) for Pricing

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
-------------	------	--------	----------	-----------	------

**Insert Adapter - PVC White (continued)**

**Insert x I.P.S. Spigot**

460-012	1-1/4	20	160	040	6.71
460-012N	1-1/4X1-1/4X1	20	160	040	6.71
460-015	1-1/2	25	0	040	7.18
460-020	2	10	0	040	11.96
460-030	3	25	0	040	40.37
460-040	4	10	0	040	46.49
460-131N	3/4X1X3/4	20	160	040	7.20
460-132N	1X1-1/4X1	20	160	040	7.82
1432-060	6	8	0	140	199.80
1432-080	8	4	0	140	396.67

N = Nesting

**Insert Adapter - PVC Gray**

**Insert x I.P.S. Spigot**

460-005G	1/2	50	300	043	5.23
460-007G	3/4	50	200	043	6.88
460-010G	1	50	0	043	7.18
460-012G	1-1/4	20	160	043	7.46
460-015G	1-1/2	25	0	043	7.98
460-020G	2	10	0	043	13.28
460-030G	3	25	0	043	44.83
460-040G	4	10	0	043	49.66
1432-060G	6	8	0	140	222.02



**Insert Adapter - CPVC**

**Insert x I.P.S. Spigot**

460-005C	1/2	50	300	010	7.47
460-007C	3/4	50	200	010	9.71
460-010C	1	50	0	010	10.13
460-015C	1-1/2	25	0	010	12.96
460-020C	2	10	0	010	18.68
460-030C	3	25	0	010	63.12



**Insert Adapter - PVC White**

**Insert x Socket**

474-005	1/2	50	600	040	4.30
474-007	3/4	50	400	040	5.16
474-010	1	50	0	040	5.49
474-012	1-1/4	25	0	040	8.70
474-015	1-1/2	25	0	040	9.63
474-020	2	25	0	040	17.82
474-030	3	15	0	040	53.17
474-040	4	15	0	040	60.80





## Insert Fittings Product

# Spiral Barb & Regular Insert Fittings

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
-------------	------	--------	----------	-----------	------

### Insert Adapter - PVC Gray

**Insert x Socket**

474-005G	1/2	50	600	043	4.78
474-007G	3/4	50	400	043	5.77
474-010G	1	50	0	043	6.10
474-012G	1-1/4	25	0	043	9.66
474-015G	1-1/2	25	0	043	10.00
474-020G	2	25	0	043	19.80



### Insert Adapter 90° Ell - PVC White

**Insert x I.P.S. Spigot**

460A-015	1-1/2	10	80	040	14.27
----------	-------	----	----	-----	-------



### Tee - PVC

**Insert x Insert x Insert**

1401-005	1/2	50	400	140	4.41
1401-007	3/4	50	0	140	4.78
1401-010	1	25	150	140	6.19
1401-012	1-1/4	10	80	140	9.69
1401-015	1-1/2	10	0	140	11.00
1401-020	2	10	0	140	21.72
1401-040 <sup>1</sup>	4	2	0	140	334.04
1401-060 <sup>1</sup>	6	1	0	140	625.73

<sup>1</sup> Assembled molded components



### Tee - CPVC

**Insert x Insert x Insert**

1401-005C	1/2	50	400	143	6.93
-----------	-----	----	-----	-----	------



### Tee, Reducing - PVC

**Insert x Insert x Insert**

1401-074	1/2X3/4	25	400	140	11.90
1401-094	3/4X1/2X1/2	25	300	140	5.96
1401-101	3/4X1/2	25	150	140	5.40
1401-102	3/4X1	25	250	140	13.70
1401-124	1X3/4X1/2	25	200	140	8.68
1401-125	1X3/4X3/4	25	200	140	10.32
1401-130	1X1/2	25	200	140	6.34
1401-131	1X3/4	25	200	140	6.38
1401-132	1X1-1/4	25	0	140	19.12
1401-156	1-1/4X1X1/2	25	0	140	11.84
1401-157	1-1/4X1X3/4	25	0	140	11.84
1401-158	1-1/4X1X1	25	0	140	11.84
1401-166	1-1/4X1/2	25	0	140	8.31



Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
-------------	------	--------	----------	-----------	------

### Tee, Reducing - PVC (continued)

**Insert x Insert x Insert**

1401-167	1-1/4X3/4	25	0	140	8.31
1401-168	1-1/4X1	25	0	140	8.31
1401-169	1-1/4X1-1/2	25	0	140	8.31
1401-201	1-1/2X1-1/4X3/4	10	80	140	14.93
1401-202	1-1/2X1-1/4X1	10	80	140	14.93
1401-203	1-1/2X1-1/4X1-1/4	10	0	140	14.93
1401-209	1-1/2X1/2	10	80	140	14.50
1401-210	1-1/2X3/4	10	80	140	14.50
1401-211	1-1/2X1	10	80	140	14.50
1401-212	1-1/2X1-1/4	10	0	140	14.50
1401-241	2X1-1/2X1-1/2	10	0	140	19.12
1401-247	2X1/2	10	0	140	20.63
1401-248	2X3/4	10	0	140	20.63
1401-249	2X1	10	0	140	20.63
1401-250	2X1-1/4	10	0	140	21.57
1401-251	2X1-1/2	10	0	140	22.23
1401-335 <sup>1</sup>	3X1	5	0	140	230.71
1401-338 <sup>1</sup>	3X2	5	0	140	254.24

<sup>1</sup> Assembled molded components

### Tee - PVC

**Insert x Insert x Fipt**

1402-005	1/2	50	400	140	4.78
1402-007	3/4	50	0	140	7.18
1402-010	1	25	0	140	8.47
1402-012	1-1/4	10	0	140	12.43
1402-015	1-1/2	10	0	140	21.57
1402-020	2	10	0	140	26.79



### Tee, Reducing - PVC

**Insert x Insert x Fipt**

1402-094	3/4X1/2X1/2	25	200	140	7.80
1402-101	3/4X1/2	25	150	140	5.96
1402-124	1X3/4X1/2	25	200	140	9.76
1402-125	1X3/4X3/4	25	0	140	11.61
1402-130	1X1/2	25	200	140	7.82
1402-131	1X3/4	25	200	140	7.82
1402-156	1-1/4X1X1/2	25	0	140	14.39
1402-157	1-1/4X1X3/4	25	0	140	16.83
1402-166	1-1/4X1/2	25	0	140	10.68
1402-167	1-1/4X3/4	25	0	140	11.78
1402-168	1-1/4X1	25	0	140	12.43
1402-199	1-1/2X1-1/4X1/2	25	0	140	22.67
1402-201	1-1/2X1-1/4X3/4	10	0	140	25.24
1402-202	1-1/2X1-1/4X1	10	0	140	28.89
1402-209	1-1/2X1/2	10	80	140	16.40
1402-210	1-1/2X3/4	10	80	140	19.40
1402-211	1-1/2X1	10	0	140	19.40
1402-212	1-1/2X1-1/4	10	0	140	19.93



**Insert Fittings Product**  
**Spiral Barb & Regular Insert Fittings**



Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
<b>Tee, Reducing - PVC (continued)</b>					
<b>Insert x Insert x Fipt</b>					
1402-247	2X1/2	10	0	140	22.00
1402-248	2X3/4	10	0	140	23.26
1402-249	2X1	10	0	140	25.56
1402-251	2X1-1/2	10	0	140	26.79

**Tee, Reducing - PVC**

**Insert x Insert x Mipt**

1403-130	1X1X1/2	25	200	140	10.18
1403-131	1X1X3/4	25	200	140	10.18

**Tee - PVC**

**Insert x Insert x Mipt**

1403-005	1/2	50	500	140	6.10
1403-007	3/4	50	0	140	8.31
1403-010	1	25	0	140	10.68
1403-012	1-1/4	10	80	140	13.89
1403-015	1-1/2	10	0	140	15.53
1403-020	2	10	0	140	24.16

**Tee - PVC**

**Insert x Insert x Socket**

1404-007	3/4	50	0	140	7.77
1404-010	1	25	0	140	8.47

**Tee, Reducing - PVC**

**Insert x Insert x Socket**

1404-101	3/4X1/2	50	0	140	12.21
1404-102	3/4X3/4X1	100	0	140	13.70

**90° Ell - PVC**

**Insert x Insert**

1406-005	1/2	50	1000	140	4.02
1406-007	3/4	50	400	140	4.93
1406-010	1	25	200	140	5.44
1406-012	1-1/4	10	180	140	6.10
1406-015	1-1/2	10	80	140	7.18
1406-020	2	10	0	140	10.03
1406-025	2-1/2	10	0	140	45.26
1406-040 <sup>1</sup>	4	2	0	140	149.90

<sup>1</sup> Assembled molded components- PVC white

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
<b>90° Ell - CPVC</b>					
<b>Insert x Fipt</b>					
1407-007C	3/4	50	0	142	6.88

**90° Ell, Reducing - PVC**

**Insert x Insert**

1406-101	3/4X1/2	25	300	140	4.66
1406-131	1X3/4	25	300	140	5.72
1406-168	1-1/4X1	25	0	140	8.47
1406-212	1-1/2X1-1/4	10	80	140	10.03
1406-251	2X1-1/2	10	0	140	11.04

**90° Ell, Reducing - CPVC**

**Insert x Fipt**

1407-074C	1/2X3/4	20	160	143	12.96
-----------	---------	----	-----	-----	-------

**90° Ell - PVC**

**Insert x Fipt**

1407-005	1/2	50	400	140	4.52
1407-007	3/4	50	0	140	4.93
1407-010	1	25	0	140	6.34
1407-012	1-1/4	10	140	140	9.39
1407-015	1-1/2	10	0	140	10.68
1407-020	2	10	0	140	18.01

**90° Ell, Reducing - PVC**

**Insert x Fipt**

1407-074	1/2X3/4	50	400	140	4.66
1407-101	3/4X1/2	50	400	140	4.66
1407-130	1X1/2	25	300	140	4.93
1407-131	1X3/4	25	200	140	5.72
1407-166	1-1/4X1/2	25	200	140	8.47
1407-167	1-1/4X3/4	25	250	140	8.47
1407-168	1-1/4X1	25	0	140	8.47
1407-211	1-1/2X1	10	80	140	9.63
1407-212	1-1/2X1-1/4	10	80	140	10.46
1407-251	2X1-1/2	10	0	140	17.09

**90° Ell - PVC**

**Insert x Mipt**

1413-005	1/2	50	600	140	5.06
----------	-----	----	-----	-----	------



## Insert Fittings Product Spiral Barb & Regular Insert Fittings

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
-------------	------	--------	----------	-----------	------

### 90° EII - PVC (continued)

#### Insert x Mipt

1413-007	3/4	50	400	140	7.04
1413-010	1	25	200	140	9.19
1413-012	1-1/4	10	120	140	12.22
1413-015	1-1/2	10	80	140	16.23
1413-015H	1-1/2	10	80	140	16.23
1413-020	2	10	0	140	25.61

### 90° EII - CPVC

#### Insert x Mipt

1413-020C	2	10	0	143	30.01
-----------	---	----	---	-----	-------

### 90° EII Reducing - PVC

#### Insert x Mipt

1413-055	3/8X3/4	50	200	140	5.44
1413-101	3/4X1/2	50	300	140	8.73
1413-130	1X1/2	50	400	140	9.96
1413-131	1X3/4	50	0	140	10.69

### 90° Side Outlet EII - PVC

#### Insert x Insert x Fipt

1414-101	3/4X3/4X1/2	50	0	140	11.61
1414-130	1X1X1/2	25	200	140	12.48
1414-131	1X3/4	50	0	140	12.48

### Side Outlet Tee - PVC

#### Insert x Insert x Insert x Fipt

1416-007	3/4X3/4	50	0	140	14.97
----------	---------	----	---	-----	-------

### Side Outlet Tee, Reducing - PVC

#### Insert x Insert x Insert x Fipt

1416-101	3/4X1/2	50	0	140	14.97
1416-130	1X1/2	50	0	140	15.91
1416-131	1X3/4	50	0	140	15.91

### Cross - PVC

#### Insert

1420-005	1/2	50	0	140	8.51
1420-007	3/4	25	150	140	11.56
1420-010	1	25	0	140	14.33

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
-------------	------	--------	----------	-----------	------

### Coupling - PVC

#### Insert x Insert

1429-005	1/2	50	600	140	2.04
1429-007	3/4	50	600	140	2.47
1429-010	1	50	400	140	2.58
1429-012	1-1/4	25	200	140	3.82
1429-015	1-1/2	25	0	140	4.51
1429-020	2	25	0	140	8.53
1429-025	2-1/2	10	0	140	22.12
1429-030	3	10	0	140	37.57
1429-040	4	10	0	140	51.12
1429-060	6	6	0	140	144.87
1429-080	8	4	0	140	313.57

### Coupling - CPVC

#### Insert x Insert

1429-005C	1/2	50	600	142	2.90
1429-007C	3/4	50	600	142	4.21
1429-010C	1	50	400	143	3.42

### Coupling, Reducer - PVC

#### Insert x Insert

1429-101	3/4X1/2	50	600	140	3.33
1429-130	1X1/2	50	400	140	4.60
1429-131	1X3/4	50	400	140	3.46
1429-1315	1X7/8	50	400	140	7.06
1429-167	1-1/4X3/4	25	300	140	7.06
1429-168	1-1/4X1	25	200	140	5.44
1429-210	1-1/2X3/4	25	275	140	8.53
1429-211	1-1/2X1	25	200	140	8.21
1429-212	1-1/2X1-1/4	25	0	140	6.38
1429-249	2X1	10	80	140	11.61
1429-250	2X1-1/4	10	80	140	10.80
1429-251	2X1-1/2	10	80	140	10.27
1429-291	2-1/2X1-1/2	10	0	140	29.40
1429-338	3X2	12	0	140	83.13
1429-422	4X3	18	0	140	146.17
1429-532	6X4	8	0	140	166.27

### Female Adapter - PVC

#### Fipt x Insert

1435-005	1/2	50	300	140	8.96
1435-007	3/4	50	400	140	9.76
1435-010	1	50	0	140	10.80
1435-012	1-1/4	25	0	140	13.27
1435-015	1-1/2	25	0	140	16.83

## Insert Fittings Product Spiral Barb & Regular Insert Fittings



Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
-------------	------	--------	----------	-----------	------

### Female Adapter - PVC (continued)

#### Fipt x Insert

1435-020	2	10	80	140	21.42
----------	---	----	----	-----	-------

### Female Adapter, Reducing - PVC

#### Fipt x Insert

1435-074	1/2X3/4	50	500	140	12.48
1435-101	3/4X1/2	50	600	140	11.57
1435-102	3/4X1	50	0	140	12.90
1435-131*	1X3/4	50	300	140	8.51

\* PVC White

### Female Adapter - CPVC

#### Fipt x Insert

1435-005C	1/2	50	300	143	9.57
1435-007C	3/4	50	400	143	13.08
1435-010C	1	50	0	143	14.84
1435-012C	1-1/4	25	0	143	16.28
1435-015C	1-1/2	25	0	143	20.57
1435-020C	2	10	0	143	26.93

### Female Adapter, Special Reinforced - PVC

#### SR Fipt x Insert

1435-005SR	1/2	50	400	142	11.98
1435-007SR	3/4	50	400	142	14.19
1435-010SR	1	50	0	142	16.87
1435-015SR	1-1/2	20	0	142	47.60

### Male Adapter - PVC

#### Mipt x Insert

1436-002	1/4	200	1200	140	2.02
1436-005	1/2	50	600	140	2.02
1436-007	3/4	50	400	140	2.47
1436-010	1	50	0	140	2.53
1436-012	1-1/4	20	160	140	4.02
1436-015	1-1/2	25	0	140	4.51
1436-015W	1-1/2	20	0	140	9.50
1436-020	2	10	0	140	8.67
1436-025	2-1/2	10	0	140	35.51
1436-030	3	10	0	140	40.96
1436-040	4	10	0	140	56.96
1436-060G <sup>1</sup>	6	4	0	140	321.24
1436-060 <sup>2</sup>	6	4	0	140	289.09

<sup>1</sup> Fabricated - Gray PVC

<sup>2</sup> Fabricated - White PVC

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
-------------	------	--------	----------	-----------	------

### Male Adapter - CPVC

#### Mipt x Insert

1436-005C	1/2	50	600	143	2.72
1436-007C	3/4	50	400	143	3.30
1436-010C	1	50	0	143	3.41
1436-012C	1-1/4	20	160	143	5.12
1436-015C	1-1/2	25	0	143	6.09
1436-020C	2	10	0	143	11.61
1436-030C	3	10	0	143	52.59
1436-040C	4	10	0	143	81.27
1436-060C	6	4	0	143	604.26
1436-080CF	8	1	0	143	700.22

### Male Adapter, Reducing - PVC

#### Mipt x Insert

1436-074	1/2X3/4	50	300	140	6.38
1436-075	1/2X1	50	200	140	6.67
1436-101	3/4X1/2	50	400	140	5.77
1436-102	3/4X1	50	400	140	6.67
1436-131	1X3/4	50	0	140	5.96
1436-132	1X1-1/4	25	200	140	8.03
1436-133	1X1-1/2	25	0	140	12.16
1436-167	1-1/4X3/4	25	200	140	7.06
1436-168	1-1/4X1	25	200	140	7.56
1436-169	1-1/4X1-1/2	10	120	140	12.16
1436-211	1-1/2X1	25	0	140	9.19
1436-212	1-1/2X1-1/4	25	0	140	9.19
1436-213	1-1/2X2	10	80	140	15.58
1436-251	2X1-1/2	10	80	140	15.44
1436-252 <sup>1</sup>	2X2-1/2	10	0	140	28.08
1436-292 <sup>1</sup>	2-1/2X2	10	0	140	123.89

<sup>1</sup> Assembled molded components

### Male Adapter, Reducing - CPVC

#### Mipt x Insert

1436-073C	1/2X3/8	50	300	143	2.99
1436-074C	1/2X3/4	50	300	142	7.24
1436-101C	3/4X1/2	50	600	142	8.21
1436-212C	1-1/2X1-1/4	25	0	143	11.96

### Female Hose Adapter - PVC

#### Female Hose Thread x Insert

1435-007FHT	3/4	50	400	140	11.61
-------------	-----	----	-----	-----	-------



Insert Fittings Product  
**Spiral Barb & Regular Insert Fittings**

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
-------------	------	--------	----------	-----------	------

**Male Hose Adapter - PVC**



**Male Hose Thread x Insert**

1436-007MHT	<b>3/4</b>	50	400	140	6.01
-------------	------------	----	-----	-----	------

**Male Hose Adapter, Reducing - PVC**



**Male Hose Thread x Insert**

1436-101MHT	<b>3/4X1/2</b>	50	400	140	5.72
1436-102MHT	<b>3/4X1</b>	50	400	140	6.54

**Pool Adapter - PVC**



**Mipt x Hose ID**

1436-204	<b>1-1/2X1-1/2X1-1/4</b>	25	0	140	11.56
----------	--------------------------	----	---	-----	-------

**Pool Adapter - PP**



**Mipt x Hose ID**

Not NSF® Approved

1436-204P	<b>1-1/2X1-1/2X1-1/4</b>	25	0	140	11.56
-----------	--------------------------	----	---	-----	-------

**Plug - PVC**



**Insert**

1449-005	<b>1/2</b>	100	600	140	3.64
1449-007	<b>3/4</b>	100	1200	140	3.82
1449-010	<b>1</b>	50	600	140	5.14
1449-012	<b>1-1/4</b>	25	300	140	6.51
1449-015	<b>1-1/2</b>	25	300	140	7.10
1449-020	<b>2</b>	10	120	140	12.54

**Lay Flat Plug - PVC**



**Insert**

For Lay Flat Type Hose

1449-030LF	<b>3</b>	4	0	140	48.50
1449-040LF	<b>4</b>	4	0	140	63.58
1449-060LF	<b>6</b>	1	6	140	345.18