

Insert Fittings Product
Spiral Barb & Regular Insert Fittings



Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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Spiral Barb Tee - PVC

Spiral Barb



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

1401-003	3/8	50	800	140	2.01
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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	3.64
1401-129	1X3/8	25	200	140	3.97

Spiral Barb 90° EII - PP

Mipt x Spiral Barb



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

1413-073	1/2X3/8	50	200	140	1.43
1413-099	3/4X3/8	50	200	140	1.43

Spiral Barb Coupling - PVC

Spiral Barb x Spiral Barb



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

1429-003	3/8	50	300	140	2.16
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Spiral Barb Coupling - PVC

Insert x Spiral Barb



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

1429-099	3/4X3/8	50	600	140	2.36
1429-129	1X3/8	50	200	140	2.52

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	1.43
1436-099	3/4X3/8	50	300	140	1.43

Insert Adapter - PVC White

Insert x I.P.S. Spigot



460-005	1/2	50	300	040	2.51
460-007	3/4	50	200	040	3.29
460-007N	3/4X3/4X1/2	50	200	040	3.29
460-010	1	50	0	040	3.44

Made in the U.S.A.

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

Effective 06/26/2017 See MSRP-1 Sheet or Check Spears® On-line Catalog @ www.spearsmfg.com for Pricing

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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Insert Adapter - PVC White (continued)

Insert x I.P.S. Spigot

460-012	1-1/4	20	160	040	3.55
460-012N	1-1/4X1-1/4X1	20	160	040	3.55
460-015	1-1/2	25	0	040	3.81
460-020	2	10	0	040	6.34
460-030	3	25	0	040	21.40
460-040	4	10	0	040	24.64
460-131N	3/4X1X3/4	20	160	040	3.83
460-132N	1X1-1/4X1	20	160	040	4.15
1432-060	6	8	0	140	105.94
1432-080	8	4	0	140	210.33

N = Nesting

Insert Adapter - PVC Gray

Insert x I.P.S. Spigot



460-005G	1/2	50	300	043	2.78
460-007G	3/4	50	200	043	3.66
460-010G	1	50	0	043	3.81
460-012G	1-1/4	20	160	043	3.95
460-015G	1-1/2	25	0	043	4.23
460-020G	2	10	0	043	7.04
460-030G	3	25	0	043	23.77
460-040G	4	10	0	043	26.32
1432-060G	6	4	0	140	117.72

Insert Adapter - CPVC

Insert x I.P.S. Spigot



460-005C	1/2	50	300	010	4.21
460-007C	3/4	50	200	010	5.47
460-010C	1	50	0	010	5.71
460-015C	1-1/2	25	0	010	7.31
460-020C	2	10	0	010	10.54
460-030C	3	25	0	010	35.60

Insert Adapter - PVC White

Insert x Socket



474-005	1/2	50	600	040	2.28
474-007	3/4	50	400	040	2.74
474-010	1	50	0	040	2.91
474-012	1-1/4	25	0	040	4.61
474-015	1-1/2	25	0	040	5.11
474-020	2	25	0	040	9.46
474-030	3	15	0	040	28.20
474-040	4	15	0	040	32.23



Insert Fittings Product

Spiral Barb & Regular Insert Fittings

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Insert Adapter - PVC Gray

Insert x Socket



474-005G	1/2	50	600	043	2.53
474-007G	3/4	50	400	043	3.06
474-010G	1	50	0	043	3.23
474-012G	1-1/4	25	0	043	5.12
474-015G	1-1/2	25	0	043	5.31
474-020G	2	25	0	043	10.51

Insert Adapter 90° EII - PVC White

Insert x I.P.S. Spigot



460A-015	1-1/2	10	80	040	7.57
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Tee - PVC

Insert x Insert x Insert



1401-005	1/2	50	400	140	2.34
1401-007	3/4	50	0	140	2.53
1401-010	1	25	150	140	3.29
1401-012	1-1/4	10	80	140	5.14
1401-015	1-1/2	10	0	140	5.83
1401-020	2	10	0	140	11.51
1401-040 ¹	4	2	0	140	177.13
1401-060 ¹	6	1	0	140	331.79

¹ Assembled molded components

Tee - CPVC

Insert x Insert x Insert



1401-005C	1/2	50	400	143	3.91
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Tee, Reducing - PVC

Insert x Insert x Insert



1401-074	1/2X3/4	25	400	140	6.31
1401-094	3/4X1/2X1/2	25	300	140	3.16
1401-101	3/4X1/2	25	150	140	2.86
1401-102	3/4X1	25	250	140	7.27
1401-124	1X3/4X1/2	25	200	140	4.60
1401-125	1X3/4X3/4	25	200	140	5.46
1401-130	1X1/2	25	200	140	3.35
1401-131	1X3/4	25	200	140	3.38
1401-132	1X1-1/4	25	0	140	10.15
1401-156	1-1/4X1X1/2	25	0	140	6.27
1401-157	1-1/4X1X3/4	25	0	140	6.27
1401-158	1-1/4X1X1	25	0	140	6.27
1401-166	1-1/4X1/2	25	0	140	4.41

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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Tee, Reducing - PVC (continued)

Insert x Insert x Insert

1401-167	1-1/4X3/4	25	0	140	4.41
1401-168	1-1/4X1	25	0	140	4.41
1401-169	1-1/4X1-1/2	25	0	140	4.41
1401-201	1-1/2X1-1/4X3/4	10	80	140	7.91
1401-202	1-1/2X1-1/4X1	10	80	140	7.91
1401-203	1-1/2X1-1/4X1-1/4	10	0	140	7.91
1401-209	1-1/2X1/2	10	80	140	7.69
1401-210	1-1/2X3/4	10	80	140	7.69
1401-211	1-1/2X1	10	80	140	7.69
1401-212	1-1/2X1-1/4	10	0	140	7.69
1401-241	2X1-1/2X1-1/2	10	0	140	10.15
1401-247	2X1/2	10	0	140	10.94
1401-248	2X3/4	10	0	140	10.94
1401-249	2X1	10	0	140	10.94
1401-250	2X1-1/4	10	0	140	11.45
1401-251	2X1-1/2	10	0	140	11.79
1401-335 ¹	3X1	5	0	140	122.33
1401-338 ¹	3X2	5	0	140	134.81

¹ Assembled molded components

Tee - PVC

Insert x Insert x Fipt



1402-005	1/2	50	400	140	2.53
1402-007	3/4	50	0	140	3.81
1402-010	1	25	0	140	4.48
1402-012	1-1/4	10	0	140	6.59
1402-015	1-1/2	10	0	140	11.45
1402-020	2	10	0	140	14.20

Tee, Reducing - PVC

Insert x Insert x Fipt



1402-094	3/4X1/2X1/2	25	200	140	4.14
1402-101	3/4X1/2	25	150	140	3.16
1402-124	1X3/4X1/2	25	200	140	5.17
1402-125	1X3/4X3/4	25	0	140	6.16
1402-130	1X1/2	25	200	140	4.15
1402-131	1X3/4	25	200	140	4.15
1402-156	1-1/4X1X1/2	25	0	140	7.63
1402-157	1-1/4X1X3/4	25	0	140	8.93
1402-166	1-1/4X1/2	25	0	140	5.66
1402-167	1-1/4X3/4	25	0	140	6.24
1402-168	1-1/4X1	25	0	140	6.59
1402-199	1-1/2X1-1/4X1/2	25	0	140	12.02
1402-201	1-1/2X1-1/4X3/4	10	0	140	13.39
1402-202	1-1/2X1-1/4X1	10	0	140	15.32
1402-209	1-1/2X1/2	10	80	140	8.69
1402-210	1-1/2X3/4	10	80	140	10.29
1402-211	1-1/2X1	10	0	140	10.29
1402-212	1-1/2X1-1/4	10	0	140	10.56

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Tee, Reducing - PVC (continued)

Insert x Insert x Fipt

1402-247	2X1/2	10	0	140	11.66
1402-248	2X3/4	10	0	140	12.33
1402-249	2X1	10	0	140	13.56
1402-251	2X1-1/2	10	0	140	14.20

Tee, Reducing - PVC

Insert x Insert x Mipt

1403-130	1X1X1/2	25	200	140	5.40
1403-131	1X1X3/4	25	200	140	5.40

Tee - PVC

Insert x Insert x Mipt

1403-005	1/2	50	500	140	3.23
1403-007	3/4	50	0	140	4.41
1403-010	1	25	0	140	5.66
1403-012	1-1/4	10	80	140	7.36
1403-015	1-1/2	10	0	140	8.23
1403-020	2	10	0	140	12.81

Tee - PVC

Insert x Insert x Socket

1404-007	3/4	50	0	140	4.12
1404-010	1	25	0	140	4.48

Tee, Reducing - PVC

Insert x Insert x Socket

1404-101	3/4X1/2	50	0	140	6.47
1404-102	3/4X3/4X1	100	0	140	7.27

90° EII - PVC

Insert x Insert

1406-005	1/2	50	1000	140	2.14
1406-007	3/4	50	400	140	2.61
1406-010	1	25	200	140	2.89
1406-012	1-1/4	10	180	140	3.23
1406-015	1-1/2	10	80	140	3.81
1406-020	2	10	0	140	5.32
1406-025	2-1/2	10	0	140	24.01
1406-040 ¹	4	2	0	140	79.49

¹ Assembled

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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90° EII - CPVC

Insert x Fipt

1407-007C	3/4	50	0	142	3.66
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90° EII, Reducing - PVC

Insert x Insert

1406-101	3/4X1/2	25	300	140	2.47
1406-131	1X3/4	25	300	140	3.03
1406-168	1-1/4X1	25	0	140	4.48
1406-212	1-1/2X1-1/4	10	80	140	5.32
1406-251	2X1-1/2	10	0	140	5.85

90° EII, Reducing - CPVC

Insert x Fipt

1407-074C	1/2X3/4	20	160	143	7.31
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90° EII - PVC

Insert x Fipt

1407-005	1/2	50	400	140	2.40
1407-007	3/4	50	0	140	2.61
1407-010	1	25	0	140	3.35
1407-012	1-1/4	10	140	140	4.97
1407-015	1-1/2	10	0	140	5.66
1407-020	2	10	0	140	9.55

90° EII, Reducing - PVC

Insert x Fipt

1407-074	1/2X3/4	50	400	140	2.47
1407-101	3/4X1/2	50	400	140	2.47
1407-130	1X1/2	25	300	140	2.61
1407-131	1X3/4	25	200	140	3.03
1407-166	1-1/4X1/2	25	200	140	4.48
1407-167	1-1/4X3/4	25	250	140	4.48
1407-168	1-1/4X1	25	0	140	4.48
1407-211	1-1/2X1	10	80	140	5.11
1407-212	1-1/2X1-1/4	10	80	140	5.55
1407-251	2X1-1/2	10	0	140	9.06

90° EII - PVC

Insert x Mipt

1413-005	1/2	50	600	140	2.68
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90° EII - PVC (continued)

Insert x Mipt

1413-007	3/4	50	400	140	3.72
1413-010	1	25	200	140	4.87
1413-012	1-1/4	10	120	140	6.48
1413-015	1-1/2	10	80	140	8.61
1413-015H	1-1/2	10	80	140	8.61
1413-020	2	10	0	140	13.59



90° EII - CPVC

Insert x Mipt

1413-020C	2	10	0	140	16.92
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90° EII Reducing - PVC

Insert x Mipt

1413-055	3/8X3/4	50	200	140	2.89
1413-101	3/4X1/2	50	300	140	4.64
1413-130	1X1/2	50	400	140	5.28
1413-131	1X3/4	50	0	140	5.67



90° Side Outlet EII - PVC

Insert x Insert x Fipt

1414-101	3/4X3/4X1/2	50	0	140	6.16
1414-130	1X1X1/2	25	200	140	6.61
1414-131	1X3/4	50	0	140	6.61



Side Outlet Tee - PVC

Insert x Insert x Insert x Fipt

1416-007	3/4X3/4	50	0	140	7.94
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Side Outlet Tee, Reducing - PVC

Insert x Insert x Insert x Fipt

1416-101	3/4X1/2	50	0	140	7.94
1416-130	1X1/2	50	0	140	8.44
1416-131	1X3/4	50	0	140	8.44



Cross - PVC

Insert

1420-005	1/2	50	0	140	4.51
1420-007	3/4	25	150	140	6.12
1420-010	1	25	0	140	7.60

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

Insert x Insert

1429-005	1/2	50	600	140	1.08
1429-007	3/4	50	600	140	1.31
1429-010	1	50	400	140	1.36
1429-012	1-1/4	25	200	140	2.02
1429-015	1-1/2	25	0	140	2.39
1429-020	2	25	0	140	4.52
1429-025	2-1/2	10	0	140	11.73
1429-030	3	10	0	140	19.92
1429-040	4	10	0	140	27.11
1429-060	6	8	0	140	76.81
1429-080	8	4	0	140	166.27



Coupling - CPVC

Insert x Insert

1429-005C	1/2	50	600	142	1.54
1429-007C	3/4	50	600	142	2.23
1429-010C	1	50	400	143	1.94



Coupling, Reducer - PVC

Insert x Insert

1429-101	3/4X1/2	50	600	140	1.77
1429-130	1X1/2	50	400	140	2.44
1429-131	1X3/4	50	400	140	1.82
1429-1315	1X7/8	50	400	140	3.73
1429-167	1-1/4X3/4	25	300	140	3.73
1429-168	1-1/4X1	25	200	140	2.89
1429-210	1-1/2X3/4	25	275	140	4.52
1429-211	1-1/2X1	25	200	140	4.36
1429-212	1-1/2X1-1/4	25	0	140	3.38
1429-249	2X1	10	80	140	6.16
1429-250	2X1-1/4	10	80	140	5.73
1429-251	2X1-1/2	10	80	140	5.45
1429-291	2-1/2X1-1/2	10	0	140	15.59
1429-338	3X2	12	0	140	44.08
1429-422	4X3	18	0	140	77.51
1429-532	6X4	8	0	140	88.17



Female Adapter - PVC

Fipt x Insert

1435-005	1/2	50	300	140	4.75
1435-007	3/4	50	400	140	5.17
1435-010	1	50	0	140	5.73
1435-012	1-1/4	25	0	140	7.03
1435-015	1-1/2	25	0	140	8.93



Insert Fittings Product
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Female Adapter - PVC (continued)

Fipt x Insert

1435-020	2	10	80	140	11.35
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Female Adapter, Reducing - PVC

Fipt x Insert

1435-074	1/2X3/4	50	500	140	6.61
1435-101	3/4X1/2	50	600	140	6.13
1435-102	3/4X1	50	0	140	6.83
1435-131*	1X3/4	50	0	140	4.51

* PVC White



Female Adapter - CPVC

Fipt x Insert

1435-005C	1/2	50	300	143	5.40
1435-007C	3/4	50	400	143	7.37
1435-010C	1	50	0	143	8.38
1435-012C	1-1/4	25	0	143	9.19
1435-015C	1-1/2	25	0	143	11.60
1435-020C	2	10	0	143	15.20



Female Adapter, Special Reinforced - PVC

SR Fipt x Insert

1435-005SR	1/2	50	400	142	6.35
1435-007SR	3/4	50	400	142	7.51
1435-010SR	1	50	0	142	8.94
1435-015SR	1-1/2	20	0	142	25.24



Male Adapter - PVC

Mipt x Insert

1436-002	1/4	200	1200	140	1.06
1436-005	1/2	50	600	140	1.06
1436-007	3/4	50	400	140	1.31
1436-010	1	50	0	140	1.35
1436-012	1-1/4	20	160	140	2.14
1436-015	1-1/2	25	0	140	2.39
1436-015W	1-1/2	20	0	140	5.04
1436-020	2	10	0	140	4.59
1436-025	2-1/2	10	0	140	18.83
1436-030	3	10	0	140	21.73
1436-040	4	10	0	140	30.20
1436-060G ¹	6	4	0	140	170.33
1436-060 ²	6	4	0	140	153.29

¹ Fabricated - Gray PVC

² Fabricated - White PVC

Part Number	Size	Std Pk	Mstr Ctn	Prod Code	MSRP
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Male Adapter - CPVC

Mipt x Insert

1436-005C	1/2	50	600	143	1.54
1436-007C	3/4	50	400	143	1.87
1436-010C	1	50	0	143	1.93
1436-012C	1-1/4	20	160	143	2.89
1436-015C	1-1/2	25	0	143	3.44
1436-020C	2	10	0	143	6.56
1436-030C	3	10	0	143	29.66
1436-040C	4	10	0	143	45.85
1436-060C	6	4	0	143	340.86
1436-080CF	8	1	0	002	168.86



Male Adapter, Reducing - PVC

Mipt x Insert

1436-074	1/2X3/4	50	300	140	3.38
1436-075	1/2X1	50	200	140	3.52
1436-101	3/4X1/2	50	400	140	3.06
1436-102	3/4X1	50	400	140	3.52
1436-131	1X3/4	50	0	140	3.16
1436-132	1X1-1/4	25	200	140	4.26
1436-133	1X1-1/2	25	0	140	6.43
1436-167	1-1/4X3/4	25	200	140	3.73
1436-168	1-1/4X1	25	200	140	4.00
1436-169	1-1/4X1-1/2	10	120	140	6.43
1436-211	1-1/2X1	25	0	140	4.87
1436-212	1-1/2X1-1/4	25	0	140	4.87
1436-213	1-1/2X2	10	80	140	8.26
1436-251	2X1-1/2	10	80	140	8.20
1436-252 ¹	2X2-1/2	10	0	140	14.89
1436-292 ¹	2-1/2X2	10	0	140	65.69

¹ Assembled molded components



Male Adapter, Reducing - CPVC

Mipt x Insert

1436-073C	1/2X3/8	50	300	143	1.69
1436-074C	1/2X3/4	50	300	142	3.85
1436-101C	3/4X1/2	50	600	142	4.36
1436-212C	1-1/2X1-1/4	25	0	143	6.75



Female Hose Adapter - PVC

Female Hose Thread x Insert

1435-007FHT	3/4	50	400	140	6.16
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Insert Fittings Product

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Male Hose Adapter - PVC



Male Hose Thread x Insert

1436-007MHT	3/4	50	400	140	3.18
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Male Hose Adapter, Reducing - PVC



Male Hose Thread x Insert

1436-101MHT	3/4X1/2	50	400	140	3.03
1436-102MHT	3/4X1	50	400	140	3.48

Pool Adapter - PVC



Mipt x Hose ID

1436-204	1-1/2X1-1/2X1-1/4	25	0	140	6.12
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Pool Adapter - PP



Mipt x Hose ID

Not NSF® Approved

1436-204P	1-1/2X1-1/2X1-1/4	25	0	140	6.12
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Plug - PVC



Insert

1449-005	1/2	100	600	140	1.94
1449-007	3/4	100	1200	140	2.02
1449-010	1	50	600	140	2.73
1449-012	1-1/4	25	300	140	3.46
1449-015	1-1/2	25	300	140	3.77
1449-020	2	10	120	140	6.64

Lay Flat Plug - PVC



Insert

For Lay Flat Type Hose

1449-030LF	3	4	0	140	25.72
1449-040LF	4	4	0	140	33.71
1449-060LF	6	1	6	140	183.03