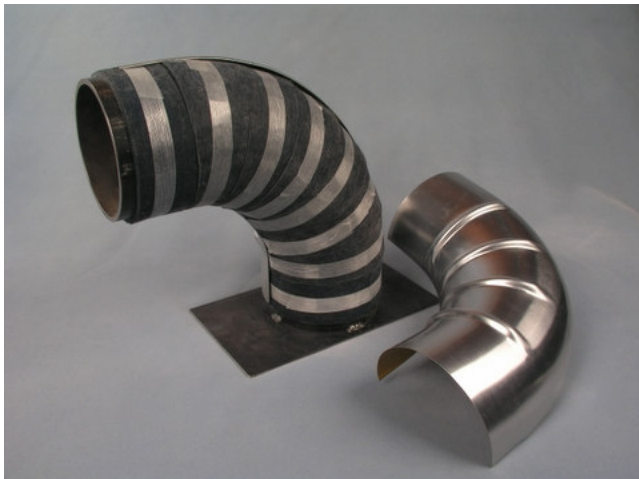




# Precision Cut CNC aspen|aerogels Fitting Covers



- **Precision Cut**

Sproule Mfg's Precision CNC AA Fitting Covers are a highly accurate, easy to install, and a cost effective means to cover pipe fittings on an Aspen Aerogel insulation system.

- **Eliminate Straight Thru Seams**

Options such as staggered segments, offset fingers joints, and straight tangents give customers the ability to prevent any straight thru seams in multiple layer configurations.

- **Available Materials**

Sproule Precision Cut CNC, Aspen Aerogel Fitting Covers are available in cryogenic as well as high temperature grades.

- **Available Sizes**

Available Pipe Sizes: 1/2" ~ 48" NPS pipes

Centerlines and Tracing: Our innovative CNC programming can allow for any centerline radius. From Short Radius to 5D Sweeps, we can accommodate any special needs you may have.

Multiple layers can be combined to provide a system with thicknesses that exceed the standard single layer 6mm and 10 mm material.

- **Easy to Read Labeling**

All precision cut CNC fitting covers are labeled with their respective pipe size, thickness, and layer number. These pieces are then placed in a poly bag and boxed. The carton itself is then labeled with the quantity, pipe size, thickness, and layer number.

- **[www.sproule-mfg.com](http://www.sproule-mfg.com)**

Please visit our website to download product catalog and technical data.

- **Contact Information**

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**SPROULE MANUFACTURING COMPANY, INC.**  
**PRECISION CUT CNC FITTING COVERS**

Effective: 10/2008 (v1.00)

**aspen** aerogels **Pyrogel® XT**  
**Long Radius 90° Price List**

Insulation Thickness<sup>2</sup> (mm)

	5	10	15	20	25	30	35	40	45	50
1/2	\$ 4.02	\$ 4.02	\$ 4.50	\$ 5.16	\$ 8.52	\$ 9.58	\$ 14.10	\$ 15.04	\$ 20.46	\$ 21.52
3/4	\$ 4.06	\$ 4.08	\$ 4.68	\$ 5.26	\$ 8.86	\$ 9.60	\$ 14.06	\$ 14.86	\$ 20.18	\$ 21.10
1	\$ 4.12	\$ 4.12	\$ 5.88	\$ 6.64	\$ 10.82	\$ 11.70	\$ 16.80	\$ 17.80	\$ 23.82	\$ 24.94
1 1/4	\$ 4.16	\$ 4.18	\$ 7.44	\$ 8.38	\$ 13.24	\$ 14.36	\$ 20.20	\$ 21.44	\$ 28.24	\$ 30.12
1 1/2	\$ 4.22	\$ 4.14	\$ 8.56	\$ 9.68	\$ 15.12	\$ 16.44	\$ 22.88	\$ 24.36	\$ 32.30	\$ 34.02
2	\$ 4.22	\$ 5.54	\$ 10.74	\$ 12.26	\$ 19.26	\$ 21.06	\$ 29.18	\$ 31.26	\$ 40.48	\$ 42.84
2 1/2	\$ 5.38	\$ 7.10	\$ 13.56	\$ 16.42	\$ 24.86	\$ 27.26	\$ 36.92	\$ 39.60	\$ 50.50	\$ 53.52
3	\$ 6.84	\$ 9.18	\$ 18.08	\$ 20.80	\$ 31.06	\$ 34.14	\$ 45.70	\$ 49.16	\$ 62.10	\$ 65.84
3 1/2	\$ 9.10	\$ 12.04	\$ 22.56	\$ 25.98	\$ 37.96	\$ 41.74	\$ 55.14	\$ 59.38	\$ 74.48	\$ 79.12
4	\$ 13.06	\$ 16.82	\$ 31.82	\$ 36.04	\$ 52.90	\$ 57.58	\$ 76.38	\$ 81.92	\$ 102.90	\$ 108.56
4 1/2*	\$ 12.98	\$ 18.76	\$ 35.24	\$ 39.92	\$ 58.34	\$ 63.48	\$ 83.74	\$ 89.34	\$ 111.52	\$ 117.60
5	\$ 17.76	\$ 23.20	\$ 43.10	\$ 49.10	\$ 71.06	\$ 77.62	\$ 101.66	\$ 108.90	\$ 135.06	\$ 142.90
6	\$ 22.68	\$ 30.00	\$ 54.96	\$ 63.06	\$ 90.36	\$ 99.18	\$ 128.82	\$ 138.18	\$ 174.02	\$ 183.76
7*	\$ 25.62	\$ 33.80	\$ 61.76	\$ 70.64	\$ 100.96	\$ 110.52	\$ 147.04	\$ 156.96	\$ 196.02	\$ 206.62
8	\$ 37.94	\$ 50.10	\$ 91.14	\$ 109.08	\$ 158.88	\$ 172.36	\$ 225.58	\$ 239.98	\$ 296.58	\$ 311.88
9*	\$ 47.32	\$ 60.14	\$ 110.86	\$ 124.58	\$ 178.72	\$ 193.36	\$ 250.88	\$ 266.44	\$ 327.36	\$ 343.84
10	\$ 58.52	\$ 76.04	\$ 138.40	\$ 157.06	\$ 223.24	\$ 243.04	\$ 313.04	\$ 333.98	\$ 407.82	\$ 429.90
11*	\$ 63.38	\$ 82.34	\$ 149.56	\$ 169.68	\$ 240.70	\$ 261.96	\$ 336.82	\$ 359.22	\$ 437.90	\$ 461.46
12	\$ 75.66	\$ 100.06	\$ 179.98	\$ 205.76	\$ 289.92	\$ 317.06	\$ 405.48	\$ 434.00	\$ 526.66	\$ 556.54
14	\$ 90.50	\$ 121.42	\$ 216.60	\$ 249.14	\$ 348.98	\$ 383.12	\$ 487.64	\$ 523.36	\$ 632.56	\$ 669.88
15*	\$ 96.44	\$ 129.40	\$ 230.50	\$ 265.06	\$ 370.86	\$ 407.00	\$ 517.48	\$ 555.22	\$ 670.36	\$ 709.72
16	\$ 121.34	\$ 161.38	\$ 288.24	\$ 330.12	\$ 462.52	\$ 506.22	\$ 644.18	\$ 689.70	\$ 833.18	\$ 880.54
17*	\$ 128.36	\$ 170.72	\$ 304.62	\$ 348.82	\$ 488.26	\$ 534.28	\$ 679.26	\$ 727.12	\$ 877.64	\$ 927.32
18	\$ 145.66	\$ 195.84	\$ 347.44	\$ 399.70	\$ 557.28	\$ 611.58	\$ 775.12	\$ 831.48	\$ 1,000.98	\$ 1,059.40
19*	\$ 153.22	\$ 206.02	\$ 365.20	\$ 420.08	\$ 585.20	\$ 642.14	\$ 813.24	\$ 872.22	\$ 1,049.28	\$ 1,110.32
20	\$ 172.12	\$ 233.62	\$ 412.12	\$ 475.92	\$ 660.80	\$ 726.88	\$ 918.16	\$ 986.54	\$ 1,184.18	\$ 1,254.84
22	\$ 200.74	\$ 274.72	\$ 482.28	\$ 558.78	\$ 773.12	\$ 852.14	\$ 1,073.32	\$ 1,154.84	\$ 1,382.82	\$ 1,466.86
24	\$ 246.46	\$ 334.46	\$ 588.60	\$ 679.34	\$ 941.14	\$ 1,034.64	\$ 1,304.12	\$ 1,400.36	\$ 1,677.50	\$ 1,776.48
26	\$ 279.82	\$ 382.36	\$ 670.26	\$ 775.78	\$ 1,071.78	\$ 1,180.28	\$ 1,484.38	\$ 1,595.86	\$ 1,908.04	\$ 2,022.48
28	\$ 316.02	\$ 434.52	\$ 759.06	\$ 880.76	\$ 1,213.82	\$ 1,338.74	\$ 1,680.32	\$ 1,808.44	\$ 2,158.52	\$ 2,289.84
30	\$ 354.38	\$ 490.00	\$ 853.32	\$ 992.38	\$ 1,364.66	\$ 1,507.14	\$ 1,888.36	\$ 2,034.28	\$ 2,424.44	\$ 2,573.80
32	\$ 394.90	\$ 548.80	\$ 953.08	\$ 1,110.64	\$ 1,524.28	\$ 1,685.50	\$ 2,108.52	\$ 2,273.42	\$ 2,705.78	\$ 2,874.34
34	\$ 437.58	\$ 610.92	\$ 1,058.30	\$ 1,235.54	\$ 1,692.70	\$ 1,873.82	\$ 2,340.78	\$ 2,525.80	\$ 3,002.56	\$ 3,191.46
36	\$ 503.32	\$ 697.40	\$ 1,211.38	\$ 1,409.60	\$ 1,934.22	\$ 2,136.56	\$ 2,671.84	\$ 2,878.30	\$ 3,424.24	\$ 3,634.80
38	\$ 551.42	\$ 767.28	\$ 1,329.78	\$ 1,549.98	\$ 2,123.56	\$ 2,348.12	\$ 2,932.78	\$ 3,161.68	\$ 3,757.42	\$ 3,990.68
40	\$ 601.68	\$ 840.46	\$ 1,453.64	\$ 1,697.02	\$ 2,321.70	\$ 2,569.64	\$ 3,205.82	\$ 3,458.36	\$ 4,106.04	\$ 4,363.14
42	\$ 654.10	\$ 916.96	\$ 1,582.98	\$ 1,850.68	\$ 2,528.62	\$ 2,801.12	\$ 3,490.98	\$ 3,768.28	\$ 4,470.08	\$ 4,752.18
48	\$ 824.28	\$ 1,166.38	\$ 2,003.86	\$ 2,351.48	\$ 3,202.14	\$ 3,555.24	\$ 4,419.12	\$ 4,777.72	\$ 5,654.80	\$ 6,018.88

**45° Pricing**

All 45° list pricing is 50% of the parent 90° size.

**Pattern Types**

Less than 7.5" OD - Reversed Pattern  
 Greater than or equal to 7.5" OD, but less than 16"  
 OD - Standard Pattern  
 Greater than or equal to 16" OD - Individual Gores

**Layering**

<sup>2</sup> - This pricing represents multiple layer fittings with the least number of layers possible. (i.e. 15mm: 1-10mm layer, 1-5mm layer; 30mm: 3-10mm layers)  
 Pricing for custom layered fittings can be quoted upon request.

\* - Cut on previous size center line radius.



**SPROULE MANUFACTURING COMPANY, INC.**  
**PRECISION CUT CNC FITTING COVERS**

Effective 10/2008 (v1.00)

**aspen | aerogels Pyrogel® x350**

**Long Radius 90° Price List**

Insulation Thickness<sup>2</sup> (mm)

	6	10	12	16	18	20	22	24	26	28	30
1/2	\$ 4.02	\$ 4.02	\$ 4.02	\$ 4.88	\$ 6.84	\$ 5.52	\$ 8.16	\$ 10.32	\$ 9.42	\$ 12.26	\$ 10.24
3/4	\$ 4.06	\$ 4.08	\$ 3.94	\$ 5.02	\$ 6.86	\$ 5.58	\$ 8.28	\$ 10.56	\$ 9.44	\$ 12.32	\$ 10.16
1	\$ 4.12	\$ 4.12	\$ 5.22	\$ 6.36	\$ 8.74	\$ 7.08	\$ 10.48	\$ 13.08	\$ 11.60	\$ 15.20	\$ 12.50
1 1/4	\$ 4.16	\$ 4.18	\$ 6.68	\$ 8.08	\$ 11.16	\$ 9.02	\$ 12.96	\$ 16.24	\$ 14.34	\$ 18.48	\$ 15.44
1 1/2	\$ 4.22	\$ 4.48	\$ 7.72	\$ 9.36	\$ 12.82	\$ 10.48	\$ 14.90	\$ 18.58	\$ 16.48	\$ 21.10	\$ 17.80
2	\$ 4.76	\$ 6.10	\$ 10.18	\$ 11.98	\$ 16.26	\$ 13.56	\$ 18.50	\$ 23.78	\$ 21.34	\$ 26.54	\$ 23.20
2 1/2	\$ 6.12	\$ 7.92	\$ 13.00	\$ 15.30	\$ 21.40	\$ 18.22	\$ 24.26	\$ 30.62	\$ 27.72	\$ 34.06	\$ 30.24
3	\$ 7.88	\$ 10.32	\$ 17.40	\$ 20.44	\$ 27.80	\$ 23.28	\$ 31.48	\$ 39.16	\$ 34.92	\$ 43.46	\$ 38.18
3 1/2	\$ 10.42	\$ 13.52	\$ 21.82	\$ 25.60	\$ 34.26	\$ 29.18	\$ 38.70	\$ 47.68	\$ 42.94	\$ 52.80	\$ 46.88
4	\$ 14.78	\$ 18.68	\$ 30.86	\$ 35.62	\$ 48.20	\$ 40.02	\$ 53.86	\$ 66.82	\$ 59.10	\$ 73.40	\$ 63.98
4 1/2*	\$ 14.86	\$ 20.82	\$ 32.64	\$ 39.48	\$ 51.76	\$ 44.36	\$ 59.44	\$ 72.12	\$ 65.18	\$ 80.72	\$ 70.56
5	\$ 20.32	\$ 26.00	\$ 42.04	\$ 48.76	\$ 65.24	\$ 55.06	\$ 72.92	\$ 89.90	\$ 80.22	\$ 98.46	\$ 87.10
6	\$ 26.22	\$ 33.92	\$ 54.00	\$ 62.76	\$ 83.42	\$ 71.30	\$ 93.20	\$ 114.42	\$ 102.88	\$ 125.34	\$ 112.18
7*	\$ 29.60	\$ 38.24	\$ 60.82	\$ 70.58	\$ 93.60	\$ 79.94	\$ 104.52	\$ 128.10	\$ 115.02	\$ 140.00	\$ 125.12
8	\$ 43.86	\$ 56.70	\$ 89.96	\$ 104.14	\$ 143.36	\$ 122.60	\$ 159.08	\$ 199.06	\$ 179.10	\$ 216.36	\$ 193.36
9*	\$ 53.66	\$ 67.20	\$ 109.64	\$ 124.74	\$ 167.96	\$ 139.28	\$ 184.62	\$ 228.62	\$ 200.72	\$ 246.82	\$ 216.22
10	\$ 67.28	\$ 85.86	\$ 137.22	\$ 157.58	\$ 209.82	\$ 177.40	\$ 231.96	\$ 285.08	\$ 253.54	\$ 309.00	\$ 274.58
11*	\$ 72.92	\$ 93.04	\$ 148.48	\$ 170.38	\$ 226.72	\$ 191.76	\$ 250.38	\$ 307.60	\$ 273.54	\$ 333.04	\$ 296.12
12	\$ 88.00	\$ 113.96	\$ 178.98	\$ 206.92	\$ 272.96	\$ 234.34	\$ 302.90	\$ 369.92	\$ 332.30	\$ 401.84	\$ 361.20
14	\$ 106.22	\$ 139.16	\$ 215.78	\$ 250.90	\$ 328.64	\$ 285.56	\$ 365.98	\$ 444.80	\$ 402.84	\$ 484.36	\$ 439.18
15*	\$ 113.24	\$ 148.34	\$ 229.80	\$ 267.12	\$ 349.68	\$ 303.92	\$ 389.20	\$ 472.88	\$ 428.22	\$ 514.60	\$ 466.76
16	\$ 141.78	\$ 184.44	\$ 287.48	\$ 332.72	\$ 437.06	\$ 377.34	\$ 484.92	\$ 590.56	\$ 532.14	\$ 641.02	\$ 578.70
17*	\$ 150.06	\$ 195.18	\$ 304.00	\$ 351.74	\$ 461.86	\$ 398.84	\$ 512.20	\$ 623.62	\$ 561.90	\$ 676.56	\$ 610.96
18	\$ 171.42	\$ 224.92	\$ 347.06	\$ 403.40	\$ 526.94	\$ 459.12	\$ 586.10	\$ 711.04	\$ 644.64	\$ 773.02	\$ 702.56
19*	\$ 180.36	\$ 236.68	\$ 364.96	\$ 424.10	\$ 553.80	\$ 482.62	\$ 615.76	\$ 746.86	\$ 677.10	\$ 811.64	\$ 737.82
20	\$ 203.82	\$ 269.44	\$ 412.18	\$ 480.84	\$ 625.12	\$ 548.92	\$ 696.82	\$ 842.62	\$ 767.94	\$ 917.36	\$ 838.46
22	\$ 238.98	\$ 317.96	\$ 482.86	\$ 565.10	\$ 731.62	\$ 646.76	\$ 817.12	\$ 985.28	\$ 902.04	\$ 1,074.02	\$ 986.40
24	\$ 292.04	\$ 385.98	\$ 589.54	\$ 687.14	\$ 892.54	\$ 784.02	\$ 993.78	\$ 1,201.00	\$ 1,094.32	\$ 1,305.90	\$ 1,194.14
26	\$ 333.04	\$ 442.54	\$ 671.86	\$ 785.24	\$ 1,016.52	\$ 897.96	\$ 1,133.76	\$ 1,366.96	\$ 1,250.34	\$ 1,488.08	\$ 1,366.22
28	\$ 377.64	\$ 504.22	\$ 761.42	\$ 892.08	\$ 1,151.32	\$ 1,022.12	\$ 1,286.08	\$ 1,547.34	\$ 1,420.20	\$ 1,686.20	\$ 1,553.66
30	\$ 425.02	\$ 569.94	\$ 856.50	\$ 1,005.72	\$ 1,294.44	\$ 1,154.32	\$ 1,447.96	\$ 1,738.84	\$ 1,600.88	\$ 1,896.66	\$ 1,753.14
32	\$ 475.18	\$ 639.66	\$ 957.12	\$ 1,126.14	\$ 1,445.88	\$ 1,294.56	\$ 1,619.42	\$ 1,941.40	\$ 1,792.36	\$ 2,119.48	\$ 1,964.68
34	\$ 528.10	\$ 713.40	\$ 1,063.30	\$ 1,253.36	\$ 1,605.64	\$ 1,442.84	\$ 1,800.42	\$ 2,155.08	\$ 1,994.66	\$ 2,354.60	\$ 2,188.28
36	\$ 604.74	\$ 812.20	\$ 1,217.18	\$ 1,429.78	\$ 1,837.32	\$ 1,641.68	\$ 2,055.06	\$ 2,465.18	\$ 2,272.10	\$ 2,688.04	\$ 2,488.38
38	\$ 664.32	\$ 895.10	\$ 1,336.66	\$ 1,572.80	\$ 2,017.06	\$ 1,808.24	\$ 2,258.54	\$ 2,705.48	\$ 2,499.34	\$ 2,952.30	\$ 2,739.42
40	\$ 726.68	\$ 982.00	\$ 1,461.72	\$ 1,722.60	\$ 2,205.10	\$ 1,982.84	\$ 2,471.58	\$ 2,956.86	\$ 2,737.38	\$ 3,228.90	\$ 3,002.50
42	\$ 791.80	\$ 1,072.92	\$ 1,592.30	\$ 1,879.20	\$ 2,401.48	\$ 2,165.48	\$ 2,694.18	\$ 3,219.34	\$ 2,986.24	\$ 3,517.84	\$ 3,277.64
48	\$ 1,003.84	\$ 1,369.78	\$ 2,017.34	\$ 2,389.72	\$ 3,040.52	\$ 2,761.58	\$ 3,419.36	\$ 4,073.36	\$ 3,797.66	\$ 4,458.66	\$ 4,175.36

**45° Pricing**

All 45° list pricing is 50% of the parent 90° size.

**Pattern Types**

Less than 7.5" OD - Reversed Pattern  
 Greater than or equal to 7.5" OD, but less than 16" OD - Standard Pattern  
 Greater than or equal to 16" OD - Individual Gores

**Layering**

<sup>2</sup> - This pricing represents multiple layer fittings with the least number of layers possible. (i.e. 15mm: 1-10mm layer, 1-5mm layer; 30mm: 3-10mm layers)  
 Pricing for custom layered fittings can be quoted upon request.

\* - Cut on previous size center line radius.



**SPROULE MANUFACTURING COMPANY, INC.**  
**PRECISION CUT CNC FITTING COVERS**

Effective 10/2008 (v1.00)

**aspen | aerogels Cryogel® x210-Z**

**Long Radius 90° Price List**

Insulation Thickness<sup>2</sup> (mm)

Nominal Pipe Size (in)	Insulation Thickness <sup>2</sup> (mm)									
	10	20	30	40	50	60	70	80	90	100
½	\$ 4.02	\$ 5.34	\$ 9.80	\$ 15.28	\$ 21.80	\$ 29.82	\$ 38.98	\$ 49.32	\$ 60.50	\$ 72.80
¾	\$ 4.08	\$ 5.32	\$ 9.64	\$ 14.94	\$ 21.22	\$ 28.94	\$ 37.72	\$ 47.58	\$ 58.22	\$ 69.88
1	\$ 4.12	\$ 6.70	\$ 11.80	\$ 17.94	\$ 25.10	\$ 33.84	\$ 43.74	\$ 54.58	\$ 66.44	\$ 79.36
1 ¼	\$ 4.18	\$ 8.44	\$ 14.42	\$ 21.54	\$ 30.26	\$ 40.20	\$ 51.42	\$ 63.56	\$ 76.86	\$ 91.32
1 ½	\$ 4.18	\$ 9.76	\$ 16.56	\$ 24.52	\$ 34.24	\$ 45.18	\$ 57.54	\$ 70.92	\$ 85.54	\$ 101.30
2	\$ 5.56	\$ 12.34	\$ 21.18	\$ 31.44	\$ 43.08	\$ 56.06	\$ 70.66	\$ 86.68	\$ 104.08	\$ 125.00
2 ½	\$ 7.16	\$ 16.54	\$ 27.44	\$ 39.86	\$ 53.80	\$ 69.58	\$ 86.84	\$ 105.70	\$ 126.08	\$ 150.26
3	\$ 9.26	\$ 20.94	\$ 34.38	\$ 49.48	\$ 66.26	\$ 85.06	\$ 105.50	\$ 127.66	\$ 153.76	\$ 181.68
3 ½	\$ 12.12	\$ 26.10	\$ 41.94	\$ 59.70	\$ 79.54	\$ 101.30	\$ 124.96	\$ 152.60	\$ 182.24	\$ 213.84
4	\$ 16.94	\$ 36.24	\$ 57.90	\$ 82.38	\$ 109.16	\$ 138.36	\$ 173.64	\$ 211.48	\$ 251.90	\$ 294.90
4 ½*	\$ 18.86	\$ 40.06	\$ 63.64	\$ 89.62	\$ 118.04	\$ 148.84	\$ 185.76	\$ 225.24	\$ 267.30	\$ 311.94
5	\$ 23.34	\$ 49.38	\$ 78.08	\$ 109.52	\$ 143.70	\$ 184.28	\$ 227.78	\$ 274.20	\$ 323.50	\$ 375.74
6	\$ 30.18	\$ 63.42	\$ 99.76	\$ 138.98	\$ 185.12	\$ 234.50	\$ 287.12	\$ 342.96	\$ 402.04	\$ 464.36
7*	\$ 33.98	\$ 71.04	\$ 111.14	\$ 158.14	\$ 208.40	\$ 261.88	\$ 318.60	\$ 378.56	\$ 441.76	\$ 508.18
8	\$ 50.38	\$ 110.10	\$ 174.16	\$ 242.54	\$ 315.26	\$ 392.30	\$ 473.68	\$ 559.40	\$ 649.42	\$ 743.80
9*	\$ 60.90	\$ 126.12	\$ 195.66	\$ 269.56	\$ 347.78	\$ 430.32	\$ 517.20	\$ 608.40	\$ 703.94	\$ 803.82
10	\$ 76.96	\$ 158.92	\$ 245.86	\$ 337.78	\$ 434.70	\$ 536.62	\$ 643.50	\$ 755.38	\$ 872.26	\$ 994.12
11*	\$ 83.30	\$ 171.58	\$ 264.86	\$ 363.12	\$ 466.36	\$ 574.60	\$ 687.84	\$ 806.04	\$ 929.26	\$ 1,057.44
12	\$ 101.18	\$ 208.02	\$ 320.50	\$ 438.62	\$ 562.38	\$ 691.80	\$ 826.86	\$ 967.56	\$ 1,113.92	\$ 1,265.90
14	\$ 122.74	\$ 251.80	\$ 387.14	\$ 528.80	\$ 676.74	\$ 831.00	\$ 991.56	\$ 1,158.42	\$ 1,331.58	\$ 1,511.06
15*	\$ 130.74	\$ 267.80	\$ 411.14	\$ 560.80	\$ 716.76	\$ 879.02	\$ 1,047.60	\$ 1,222.46	\$ 1,403.64	\$ 1,591.10
16	\$ 163.00	\$ 333.38	\$ 511.16	\$ 696.34	\$ 888.92	\$ 1,088.90	\$ 1,296.28	\$ 1,511.04	\$ 1,733.22	\$ 1,962.78
17*	\$ 172.38	\$ 352.18	\$ 539.34	\$ 733.92	\$ 935.90	\$ 1,145.28	\$ 1,362.04	\$ 1,586.20	\$ 1,817.78	\$ 2,056.74
18	\$ 197.72	\$ 403.48	\$ 617.30	\$ 839.18	\$ 1,069.12	\$ 1,307.10	\$ 1,553.14	\$ 1,807.24	\$ 2,069.40	\$ 2,339.60
19*	\$ 207.94	\$ 423.94	\$ 648.00	\$ 880.10	\$ 1,120.26	\$ 1,368.48	\$ 1,624.76	\$ 1,889.08	\$ 2,161.46	\$ 2,441.90
20	\$ 235.78	\$ 480.28	\$ 733.46	\$ 995.38	\$ 1,266.00	\$ 1,545.34	\$ 1,833.38	\$ 2,130.14	\$ 2,435.60	\$ 2,749.80
22	\$ 277.18	\$ 563.72	\$ 859.64	\$ 1,164.92	\$ 1,479.58	\$ 1,803.60	\$ 2,136.98	\$ 2,479.74	\$ 2,831.86	\$ 3,193.36
24	\$ 337.30	\$ 685.06	\$ 1,043.28	\$ 1,411.98	\$ 1,791.14	\$ 2,180.76	\$ 2,580.84	\$ 2,991.38	\$ 3,412.40	\$ 3,843.88
26	\$ 385.54	\$ 782.20	\$ 1,189.96	\$ 1,608.86	\$ 2,038.88	\$ 2,480.02	\$ 2,932.28	\$ 3,395.66	\$ 3,870.16	\$ 4,355.78
28	\$ 438.06	\$ 887.90	\$ 1,349.52	\$ 1,822.92	\$ 2,308.08	\$ 2,805.04	\$ 3,313.76	\$ 3,834.26	\$ 4,366.56	\$ 4,910.62
30	\$ 493.94	\$ 1,000.30	\$ 1,519.08	\$ 2,050.32	\$ 2,594.00	\$ 3,150.10	\$ 3,718.64	\$ 4,299.62	\$ 4,893.02	\$ 5,498.86
32	\$ 553.14	\$ 1,119.36	\$ 1,698.68	\$ 2,291.08	\$ 2,896.58	\$ 3,515.20	\$ 4,146.88	\$ 4,791.66	\$ 5,449.54	\$ 6,120.50
34	\$ 615.68	\$ 1,245.10	\$ 1,888.28	\$ 2,545.20	\$ 3,215.88	\$ 3,900.32	\$ 4,598.48	\$ 5,310.40	\$ 6,036.08	\$ 6,775.50
36	\$ 702.68	\$ 1,420.18	\$ 2,152.52	\$ 2,899.72	\$ 3,661.76	\$ 4,438.66	\$ 5,230.40	\$ 6,036.96	\$ 6,858.38	\$ 7,694.66
38	\$ 773.00	\$ 1,561.50	\$ 2,365.50	\$ 3,185.00	\$ 4,020.00	\$ 4,870.52	\$ 5,736.52	\$ 6,618.04	\$ 7,515.06	\$ 8,427.56
40	\$ 846.68	\$ 1,709.50	\$ 2,588.48	\$ 3,483.64	\$ 4,394.94	\$ 5,322.42	\$ 6,266.04	\$ 7,225.82	\$ 8,201.76	\$ 9,193.86
42	\$ 923.68	\$ 1,864.18	\$ 2,821.48	\$ 3,795.62	\$ 4,786.56	\$ 5,794.32	\$ 6,818.92	\$ 7,860.30	\$ 8,918.52	\$ 9,993.54
48	\$ 1,174.76	\$ 2,368.28	\$ 3,580.60	\$ 4,811.70	\$ 6,061.60	\$ 7,330.28	\$ 8,617.76	\$ 9,924.02	\$ 11,249.06	\$ 12,592.90

**45° Pricing**

All 45° list pricing is 50% of the parent 90° size.

**Pattern Types**

Less than 7.5" OD - Reversed Pattern  
 Greater than or equal to 7.5" OD, but less than 16" OD - Standard Pattern  
 Greater than or equal to 16" OD - Individual Gores

**Layering**

<sup>2</sup> - This pricing represents multiple layer fittings with the least number of layers possible. (i.e. 15mm: 1-10mm layer, 1-5mm layer; 30mm: 3-10mm layers)  
 Pricing for custom layered fittings can be quoted upon request.

\* - Cut on previous size center line radius.