



**PVC Heat & Air Duct  
&  
Fittings**

**Your Only "Single Source" For  
Aluminum and PVC Pipe & Fittings**

Kroy Industries, Inc.  
P.O. Box 309  
522 W. 26th Street  
York, NE 68467

# **Kroy**

## **INDUSTRIES, INC.**

Phone: (402)362-6651  
Watts: (888)477-5769  
Fax: (402)362-6566  
Email: mail@kroyind.com

## **Kroy PVC Heat & Air Duct Pipe**

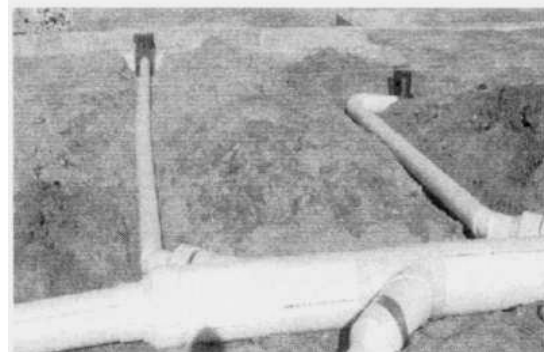
### **Introduction**

In 1967, building contractors and installers of sheet metal heat and air duct systems approached Kroy Industries to develop a product for heat and air installation to eliminate the corrosive problems occurring from water infiltration and leaks in metal ducts under the slab.

Kroy recommended SDR81 PVC pipe as an alternative to spiral sheet metal. This pipe was a superior alternative eliminating their existing problems. The product was immediately accepted for under-slab installation and has met with continuing success. Since its introduction, more than ten million feet have been placed in service without a single failure.

Kroy Industries furnishes a complete system from the PVC plenum to the end boots. This system offers cost efficiency, ease of installation, increased heating and cooling efficiency and lowering of injuries from installation.

Kroy PVC duct pipe and fittings comply with requirements of the International Code Council (ICC), formerly the Council of American Building Officials (CABO), which is nationally recognized in writing plumbing and mechanical codes.



**Your Only "Single Source"  
For PVC and Aluminum Pipe & Fittings**

[www.kroyind.com](http://www.kroyind.com)



# Kroy Heat & Air Duct

## 10 Foot Belled End Lengths

Nominal Size (Inches)	Outside Diameter (Inches)	Wall Thickness	Pieces Per Bundle	Feet Per Bundle	Feet Per Truckload
4"	4.50	.085	50	500	16000
6"	6.14	.076	15	150	9600
8"	8.16	.101	11	110	5280
10"	10.20	.126	9	90	3600
12"	12.24	.151	7	70	2240
14"	14.28	.177	6	60	1440
16"	16.00	.196	6	60	1400

Material specification cell classification 12454-B, ASTM-D-1784

Product Specification ICC (formerly CABO) One & Two Family Dwelling Code

## General Design Standards

When Considering PVC duct pipe for an application in a heat and air duct system, the following basic principles should be explicitly followed:

- A. PVC ducts shall only be installed under or within the concrete slab.
- B. The heat source (natural gas, LPG, or electric furnace) shall be of a type approved by the Underwriters Laboratory or the American Gas Association.
- C. The furnace must be equipped with required safety equipment designed to curtail operations in the event of a fan/blower failure. Most furnaces have upper limit safety devices designed to curtail operation at 150° F. Heat rises away from duct piping, limiting plenum temperatures to 125°F. to 140° F., but the system integrity is enhanced by properly functioning safety controls.
- D. Use heavy body PVC glue and cleaner on PVC pipe and PVC fittings. On PVC pipe to Black Max fittings or high density polyethylene fittings, use IPS 600 or Sure Bond 190 on all joints to waterproof for a complete water tight system. Properly coat and wrap duct to sheet metal connections.
- E. Properly backfill using sand, gravel, or other selected backfill material, around and over, where practicable, all duct piping and fittings. Particular care should be employed around the plenum/duct connection.
- F. Do not allow mechanical equipment (skid-steer loaders) on or over pipe and fittings.

Contact:

**Kroy Industries, Inc**

**(402)362-6651**

or toll free

**(888)477-5769**

**Email: [mail@kroyind.com](mailto:mail@kroyind.com) \* [www.kroyind.com](http://www.kroyind.com)**

# Heat & Air Duct

Nominal Size	Weight Per Hundred Feet	Outside Diameter	Inside Diameter	Wall Thickness	Pieces Per Bundle	Feet Per Bundle	Feet Per Truck
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## Standard

4"	74.00	4.500	4.330	.085	50	500	16,000
6"	110.00	6.140	5.988	.076	30	300	9,600
8"	168.00	8.160	7.958	.101	22	220	5,280
10"	262.00	10.200	9.948	.126	18	180	3,600
12"	377.00	12.240	11.938	.151	14	140	2,240
14"	520.00	14.280	13.928	.176	6	60	1,440
15"	580.00	15.300	14.922	.189	6	60	1,440
16"	649.00	16.000	15.608	.196	6	60	1,440

10 Ft. Belled End Lengths






## Specifications for PVC Sleeve Stock


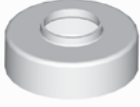

Pipe Size	Outside Diameter	Inside Diameter	Wall Thickness
3"	3.670	3.540	.065
3½"	4.175	4.043	.066
4" PIP	4.310	4.150	.080
4" IPS	4.675	4.519	.078
4½"	5.225	5.043	.091
5"	5.760	5.578	.091
6"	6.340	6.182	.079
8"	8.375	8.203	.086
10"	10.485	10.275	.105
12"	12.540	12.282	.129
14"	14.620	14.324	.148
16"	16.425	16.085	.170

## KROY INDUSTRIES, INC.

Prices Effective: January 1, 2020. Prices Subject to Change Without Notice  
 Phone: 402-362-6651 or 888-477-5769 \* Fax: 402-362-6566 \* York, Nebraska  
 Phone: 620-356-4879 or 888-478-5769 \* Fax: 620-356-3962 \* Ulysses, Kansas





# Heat & Air Duct Fittings


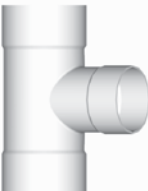
Item:	Size:	Part Number:	List Price:
<b>Coupler Soc x Soc</b>			
	6	5024-0601	\$13.72
	8	5024-0801	\$21.73
	10	5024-1001	\$32.08
	12	5024-1201	\$41.95
	14	5024-1401	\$56.72
	15	5024-1501	\$65.63
	16	5024-1601	\$69.36
	18	5024-1871	\$262.29
	21	5024-2101	\$358.74
	24	5024-2401	\$525.26
<b>Sleeve Stock Coupler for Repairs</b>			
	6	5025-060	\$8.04
	8	5025-080	\$10.58
	10	5025-100	\$15.14
	12	5025-120	\$22.88
	14	5025-140	\$31.31
	16	5025-160	\$38.82
<b>End Cap x Soc</b>			
	6	5047-0601	\$12.34
	8	5047-0801	\$17.77
	10	5047-1001	\$24.68
	12	5047-1201	\$45.41
	14	5047-1401	\$58.32
	15	5047-1501	\$61.09
	16	5047-1601	\$84.19
	18	5047-1871	\$378.38
	21	5047-2101	\$578.66
	24	5047-2401	\$803.08
<b>Start Collar Flare x Spigot</b>			
	6	5045-0603	\$15.80
	8	5045-0803	\$20.23
	10	5045-1003	\$24.68
	12	5045-1203	\$31.11
	14	5045-1403	\$35.19
	15	5045-1503	\$40.55
	16	5045-1603	\$46.16
	18	5045-1873	\$314.75
	21	5045-2103	\$430.22
	24	5045-2403	\$630.32
<b>Tapered Reducer Soc x Soc</b>			
	6 x 4	5032-5321	\$19.75
	8 x 6	5032-5851	\$25.66
	10 x 6	5032-6261	\$39.41
	10 x 8	5032-6281	\$29.62
	12 x 8	5032-6681	\$49.98
	12 x 10	5032-6701	\$37.02
	14 x 12	5032-7021	\$47.44
	15 x 12	5032-7321	\$52.58
	15 x 14	5032-7341	\$62.35

Item:	Size:	Part Number:	List Price:
<b>Tapered Reducer Soc x Soc - Continued</b>			
	16 x 14	5032-7641	\$65.63
	16 x 15	5032-7651	\$68.25
	18 x 15	5032-3791	\$310.20
	18 x 16	5032-3801	\$326.53
	21 x 18	5032-8591	\$449.88
	24 x 21	5032-9211	\$652.24
<b>Standard Cap Reducer Soc x Soc Concentric</b>			
	12 x 6	5032-6661	\$49.36
	14 x 6	5032-6961	\$64.20
	14 x 8	5032-6961	\$64.20
	14 x 10	5032-7001	\$71.59
	15 x 6	5032-7261	\$69.12
	15 x 8	5032-7281	\$70.62
	15 x 10	5032-7301	\$74.55
	16 x 6	5032-7561	\$92.35
	16 x 8	5032-7581	\$93.82
	16 x 10	5032-7601	\$97.76
	16 x 12	5032-7621	\$99.23
	18 x 6	5032-3741	\$363.02
	18 x 8	5032-3751	\$379.24
	18 x 10	5032-3761	\$393.78
	18 x 12	5032-3771	\$415.76
	18 x 14	5032-3781	\$439.07
	21 x 6	5032-8461	\$599.83
	21 x 8	5032-8481	\$608.89
	21 x 10	5032-8501	\$620.96
	21 x 12	5032-8521	\$638.31
21 x 14	5032-8541	\$685.71	
21 x 15	5032-8551	\$698.76	
21 x 16	5032-8561	\$712.92	
24 x 6	5032-9061	\$899.73	
24 x 8	5032-9081	\$910.96	
24 x 10	5032-9101	\$922.68	
24 x 12	5032-9121	\$935.19	
24 x 14	5032-9141	\$946.85	
24 x 15	5032-9151	\$957.76	
24 x 16	5032-9161	\$970.05	
24 x 18	5032-9191	\$981.81	
<b>Standard Cap Reducer Soc x Soc Eccentric</b>			
	12 x 6	5035-6661	\$49.36
	14 x 6	5035-6961	\$64.20
	14 x 8	5035-6981	\$69.12
	14 x 10	5035-7001	\$71.59
	15 x 6	5035-7261	\$69.12
	15 x 8	5035-7281	\$70.62
	15 x 10	5035-7301	\$74.55
	16 x 6	5035-7561	\$92.35
	16 x 8	5035-7581	\$93.82
	16 x 10	5035-7601	\$97.76
16 x 12	5035-7621	\$99.23	

27" and 30" fittings are available, please call for pricing

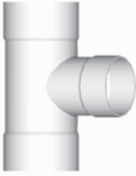

# Heat & Air Duct Fittings


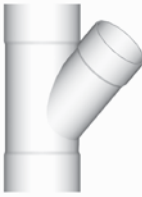
Item:	Size:	Part Number:	List Price:
<b>Standard Cap Reducer Soc x Soc Eccentric - Cont.</b>			
	18 x 6	5035-3741	\$363.02
	18 x 8	5035-3751	\$379.24
	18 x 10	5035-3761	\$393.78
	18 x 12	5035-3771	\$415.76
	18 x 14	5035-3781	\$439.07
	21 x 6	5035-8461	\$599.83
	21 x 8	5035-8481	\$608.89
	21 x 10	5035-8501	\$620.96
	21 x 12	5035-8521	\$638.31
	21 x 14	5035-8541	\$685.71
	21 x 15	5035-8551	\$698.76
	21 x 16	5035-8561	\$712.92
	24 x 6	5035-9061	\$899.73
	24 x 8	5035-9081	\$910.96
	24 x 10	5035-9101	\$922.68
	24 x 12	5035-9121	\$935.19
	24 x 14	5035-9141	\$946.85
	24 x 15	5035-9151	\$957.76
	24 x 16	5035-9161	\$970.05
	24 x 18	5035-9191	\$981.81
<b>22 1/2° Elbow Soc x Soc</b>			
	6	5012-0601	\$17.27
	8	5012-0801	\$27.18
	10	5012-1001	\$37.02
	12	5012-1201	\$46.91
	14	5012-1401	\$77.95
	15	5012-1501	\$104.97
	16	5012-1601	\$107.99
	18	5012-1871	\$328.93
	21	5012-2101	\$548.94
	24	5012-2401	\$738.16
<b>30° Elbow Soc x Soc</b>			
	6	5013-0601	\$17.27
	8	5013-0801	\$27.18
	10	5013-1001	\$37.02
	12	5013-1201	\$46.91
	14	5013-1401	\$77.95
	15	5013-1501	\$104.97
	16	5013-1601	\$107.99
	18	5013-1871	\$385.69
	21	5013-2101	\$624.06
	24	5013-2401	\$1,807.52
<b>45° Elbow Soc x Soc</b>			
	6	5014-0601	\$17.27
	8	5014-0801	\$27.18
	10	5014-1001	\$37.02
	12	5014-1201	\$46.91
	14	5014-1401	\$77.95
	15	5014-1501	\$104.97
	16	5014-1601	\$107.99
	18	5014-1871	\$385.69
	21	5014-2101	\$624.06
	24	5014-2401	\$1,807.52

Item:	Size:	Part Number:	List Price:
<b>90° Elbow Soc x Soc</b>			
	6	5016-0601	\$37.02
	8	5016-0801	\$53.08
	10	5016-1001	\$61.69
	12	5016-1201	\$80.98
	14	5016-1401	\$151.21
	15	5016-1501	\$192.38
	16	5016-1601	\$208.22
	18	5016-1871	\$769.23
	21	5016-2101	\$1,203.69
	24	5016-2401	\$2,690.22
<b>Tee Soc x Soc x Soc</b>			
	6 x 6 x 4	5001-5321	\$37.53
	6 x 6 x 6	5001-0601	\$56.78
	8 x 8 x 6	5001-5851	\$57.27
	8 x 8 x 8	5001-0801	\$71.09
	10 x 10 x 6	5001-6261	\$82.12
	10 x 10 x 8	5001-6281	\$89.88
	10 x 10 x 10	5001-1001	\$107.00
	12 x 12 x 6	5001-6661	\$110.11
	12 x 12 x 8	5001-6681	\$126.40
	12 x 12 x 10	5001-6701	\$129.19
	12 x 12 x 12	5001-1201	\$135.38
	14 x 14 x 6	5001-6961	\$131.83
	14 x 14 x 8	5001-6981	\$144.68
	14 x 14 x 10	5001-7001	\$160.77
	14 x 14 x 12	5001-7021	\$174.60
	14 x 14 x 14	5001-1401	\$205.42
	15 x 15 x 6	5001-7261	\$148.14
	15 x 15 x 8	5001-7281	\$159.99
	15 x 15 x 10	5001-7301	\$176.26
	15 x 15 x 12	5001-7321	\$192.58
15 x 15 x 14	5001-7341	\$224.68	
15 x 15 x 15	5001-1501	\$251.81	
16 x 16 x 6	5001-7561	\$155.56	
16 x 16 x 8	5001-7581	\$168.39	
16 x 16 x 10	5001-7601	\$185.17	
16 x 16 x 12	5001-7621	\$202.46	
16 x 16 x 14	5001-7641	\$252.82	
16 x 16 x 15	5001-7651	\$334.28	
16 x 16 x 16	5001-1601	\$333.08	
18 x 18 x 6	5001-3741	\$497.26	
18 x 18 x 8	5001-3751	\$517.87	
18 x 18 x 10	5001-3761	\$547.11	
18 x 18 x 12	5001-3771	\$605.62	
18 x 18 x 14	5001-3781	\$702.06	
18 x 18 x 15	5001-3791	\$705.85	
18 x 18 x 16	5001-3801	\$772.26	
18 x 18 x 18	5001-1871	\$810.43	

27" and 30" fittings are available,  
please call for pricing


# Heat & Air Duct Fittings


Item:	Size:	Part Number:	List Price:
<b>Tee Soc x Soc x Soc - Continued</b>			
	21 x 21 x 6	5001-8461	\$689.05
	21 x 21 x 8	5001-8481	\$735.64
	21 x 21 x 10	5001-8501	\$784.42
	21 x 21 x 12	5001-8521	\$859.16
	21 x 21 x 14	5001-8541	\$907.48
	21 x 21 x 15	5001-8551	\$946.95
	21 x 21 x 16	5001-8561	\$994.31
	21 x 21 x 18	5001-8591	\$1,105.07
	21 x 21 x 21	5001-2101	\$1,478.65
	24 x 24 x 6	5001-9061	\$959.94
	24 x 24 x 8	5001-9081	\$1,022.76
	24 x 24 x 10	5001-9101	\$1,053.07
	24 x 24 x 12	5001-9121	\$1,138.75
	24 x 24 x 14	5001-9141	\$1,198.17
	24 x 24 x 15	5001-9151	\$1,250.25
	24 x 24 x 16	5001-9161	\$1,312.76
	24 x 24 x 18	5001-9191	\$1,423.65
	24 x 24 x 21	5001-9211	\$1,601.31
	24 x 24 x 24	5001-2401	\$2,041.23
	<b>Saddle Tee Skirt x Soc</b>		
	6 x 4	5038-5321	\$17.76
	8 x 4	5038-5821	\$18.93
	8 x 6	5038-5851	\$20.26
	10 x 6	5038-6261	\$46.01
	10 x 8	5038-5321	\$17.76
	12 x 6	5038-6661	\$55.18
	12 x 8	5038-6681	\$64.56
	12 x 10	5038-6701	\$73.28
	14 x 6	5038-6961	\$105.19
	14 x 8	5038-6981	\$108.97
	14 x 10	5038-7001	\$118.41
	14 x 12	5038-7021	\$140.76
	15 x 6	5038-7261	\$162.79
	15 x 8	5038-7281	\$165.61
	15 x 10	5038-7301	\$200.94
	15 x 12	5038-7321	\$222.44
	15 x 14	5038-7341	\$246.35
	16 x 6	5038-7561	\$171.36
	16 x 8	5038-7581	\$174.35
	16 x 10	5038-7601	\$211.52
16 x 12	5038-7621	\$234.14	
16 x 14	5038-7641	\$259.31	
16 x 15	5038-7651	\$272.26	
18 x 6	5038-3741	\$233.86	
18 x 8	5038-3751	\$250.03	
18 x 10	5038-3761	\$287.82	
18 x 12	5038-3771	\$331.92	
18 x 14	5038-3781	\$441.06	
18 x 15	5038-3791	\$464.27	
18 x 16	5038-3801	\$487.49	


Item:	Size:	Part Number:	List Price:	
<b>Saddle Tee Skirt x Soc - Continued</b>				
	21 x 6	5038-8461	\$481.98	
	21 x 8	5038-8481	\$557.24	
	21 x 10	5038-8501	\$600.25	
	21 x 12	5038-8521	\$605.63	
	21 x 14	5038-8541	\$660.44	
	21 x 15	5038-8551	\$695.20	
	21 x 16	5038-8561	\$729.97	
	21 x 18	5038-8591	\$792.86	
	24 x 6	5038-9061	\$687.16	
	24 x 8	5038-9081	\$731.97	
	24 x 10	5038-9101	\$792.88	
	24 x 12	5038-9121	\$853.81	
	24 x 14	5038-9141	\$884.29	
	24 x 15	5038-9151	\$930.85	
	24 x 16	5038-9161	\$977.41	
	24 x 18	5038-9191	\$1,000.06	
	24 x 21	5038-9211	\$1,127.96	
	<b>Wye Soc x Soc x Soc</b>			
		6 x 6 x 4	5057-5321	\$37.02
		6 x 6 x 6	5057-0601	\$50.37
8 x 8 x 4		5057-5821	\$44.42	
8 x 8 x 6		5057-5851	\$62.71	
8 x 8 x 8		5057-0801	\$73.57	
10 x 10 x 6		5057-6261	\$83.84	
10 x 10 x 8		5057-6281	\$86.91	
10 x 10 x 10		5057-1001	\$118.09	
12 x 12 x 6		5057-6661	\$113.87	
12 x 12 x 8		5057-6681	\$121.29	
12 x 12 x 10		5057-6701	\$123.12	
12 x 12 x 12		5057-1201	\$126.18	
14 x 14 x 6		5057-6961	\$119.63	
14 x 14 x 8		5057-6981	\$129.51	
14 x 14 x 10		5057-7001	\$166.99	
14 x 14 x 12		5057-7021	\$177.38	
14 x 14 x 14		5057-1401	\$195.46	
15 x 15 x 6		5057-7261	\$143.37	
15 x 15 x 8		5057-7281	\$156.42	
15 x 15 x 10		5057-7301	\$162.72	
15 x 15 x 12		5057-7321	\$178.20	
15 x 15 x 14		5057-7341	\$202.06	
15 x 15 x 15		5057-1501	\$307.85	
16 x 16 x 6		5057-7561	\$143.37	
16 x 16 x 8		5057-7581	\$156.42	
16 x 16 x 10		5057-7601	\$171.76	
16 x 16 x 12		5057-7621	\$188.12	
16 x 16 x 14		5057-7641	\$233.49	
16 x 16 x 15	5057-7651	\$283.21		
16 x 16 x 16	5057-1601	\$358.80		

27" and 30" fittings are available, please call for pricing

# Heat & Air Duct Fittings

Item:	Size:	Part Number:	List Price:
<b>Wye Soc x Soc x Soc - Continued</b>			
	18 x 18 x 6	5057-3741	\$524.19
	18 x 18 x 8	5057-3751	\$545.94
	18 x 18 x 10	5057-3761	\$576.75
	18 x 18 x 12	5057-3771	\$638.43
	18 x 18 x 14	5057-3781	\$740.12
	18 x 18 x 15	5057-3791	\$762.32
	18 x 18 x 16	5057-3801	\$785.18
	18 x 18 x 18	5057-1871	\$854.32
	21 x 21 x 6	5057-8461	\$726.39
	21 x 21 x 8	5057-8481	\$775.48
	21 x 21 x 10	5057-8501	\$826.91
	21 x 21 x 12	5057-8521	\$905.69
	21 x 21 x 14	5057-8541	\$998.24
	21 x 21 x 15	5057-8551	\$1,048.15
	21 x 21 x 16	5057-8561	\$1,100.56
	21 x 21 x 18	5057-8591	\$1,164.94
	21 x 21 x 21	5057-2101	\$1,576.16
	24 x 24 x 6	5057-9061	\$1,011.94
	24 x 24 x 8	5057-9081	\$1,078.17
	24 x 24 x 10	5057-9101	\$1,110.11
	24 x 24 x 12	5057-9121	\$1,200.41
	24 x 24 x 14	5057-9141	\$1,252.07
	24 x 24 x 15	5057-9151	\$1,317.97
	24 x 24 x 16	5057-9161	\$1,383.88
	24 x 24 x 18	5057-9191	\$1,500.77
	24 x 24 x 21	5057-9211	\$1,688.04
	24 x 24 x 24	5057-2401	\$2,151.81

Item:	Size:	Part Number:	List Price:
<b>Saddle Wye Skirt x Soc</b>			
	6 x 4	5058-5321	\$18.80
	8 x 4	5058-5821	\$19.25
	8 x 6	5058-5851	\$21.44
	10 x 6	5058-6261	\$48.62
	10 x 8	5058-6281	\$53.98
	12 x 6	5058-6661	\$58.34
	12 x 8	5058-6681	\$64.76
	12 x 10	5058-6701	\$77.33
	14 x 6	5058-6961	\$109.08
	14 x 8	5058-6981	\$112.96
	14 x 10	5058-7001	\$122.77
	14 x 12	5058-7021	\$145.87
	15 x 6	5058-7261	\$142.74
	15 x 8	5058-7281	\$145.87
	15 x 10	5058-7301	\$157.75
	15 x 12	5058-7321	\$192.72
	15 x 14	5058-7341	\$241.84
	16 x 6	5058-7561	\$177.64
16 x 8	5058-7581	\$180.71	
16 x 10	5058-7601	\$219.22	
16 x 12	5058-7621	\$242.69	
16 x 14	5058-7641	\$268.77	
16 x 15	5058-7651	\$276.83	

Item:	Size:	Part Number:	List Price:
<b>Saddle Wye Skirt x Soc - Continued</b>			
	18 x 6	5058-3741	\$257.25
	18 x 8	5058-3751	\$275.02
	18 x 10	5058-3761	\$316.60
	18 x 12	5058-3771	\$365.11
	18 x 14	5058-3781	\$485.17
	18 x 15	5058-3791	\$510.71
	18 x 16	5058-3801	\$536.24
	21 x 6	5058-8461	\$530.17
	21 x 8	5058-8481	\$612.97
	21 x 10	5058-8501	\$660.26
	21 x 12	5058-8521	\$666.19
	21 x 14	5058-8541	\$726.49
	21 x 15	5058-8551	\$764.73
	21 x 16	5058-8561	\$802.96
	21 x 18	5058-8591	\$872.17
	24 x 6	5058-9061	\$755.87
	24 x 8	5058-9081	\$805.15
	24 x 10	5058-8591	\$872.17
	24 x 12	5058-9121	\$939.19
	24 x 14	5058-9141	\$972.76
	24 x 15	5058-9151	\$1,023.95
	24 x 16	5058-9161	\$1,075.14
24 x 18	5058-9191	\$1,100.06	
24 x 21	5058-9211	\$1,240.76	

27" and 30" fittings are available,  
please call for pricing