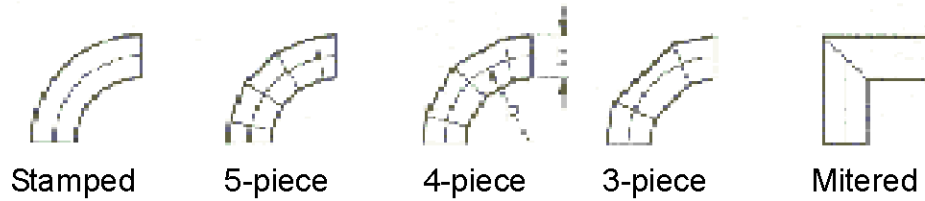




Round Elbow Loss Coefficients



	R/D					
	0.5	0.75	1.00	1.50	2.00	2.50
Stamped	0.71	0.33	0.22	0.15	0.13	0.12
5-piece	-----	0.46	0.33	0.24	0.19	0.17*
4-piece	-----	0.50	0.37	0.27	0.24	0.23*
3-piece	0.90	0.54	0.42	0.34	0.33	0.33*

* extrapolated from published data

Source: Industrial Ventilation, 22nd Edition, American Conference of Governmental Industrial Hygienists

Allowable Negative Pressures in Round Spiral Duct

The following table lists the recommended metal gauge and reinforcing for various negative pressures in different diameters of round spiral duct. The negative pressures listed are working pressures with safety factor of 3 included.

Diameter	Maximum Negative Pressure			
	0"-10" W.G.	10"-20" W.G.	20"-30" W.G.	30"-40" W.G.
3-7	26 Ga.	26 Ga.	26 Ga.	26 Ga.
8	26	26	26	24
9-12	24	24	22	22
13-15	24	22	22	20
16-18	22	20	20	18
19-22	22	18	18	18 w/Fl.* or 16
24-26	20	18	18 w/Fl.* or 16	18 w/AR** 6' c/c or 16 w/Fl.*
28-34	18	18 w/Fl.* or 16	18 w/AR** 6' c/c or 16 w/Fl.*	18 w/AR** 4' c/c or 16 w/Fl.*
36-42	18 w/Fl.* or 16	18 w/AR** 6' c/c or 16 w/Fl.*	18 w/AR** 4' c/c or 16 w/Fl.*	16 w/Fl.*
44-50	18 w/AR** 6' c/c or 16	18 w/AR** 4' c/c or 16 w/Fl.*	16 w/Fl.*	16 w/AR** 6' c/c
52-60	18 w/AR** 6' c/c or 16 w/Fl.*	18 w/AR** 4' c/c or 16 w/Fl.*	16 w/AR** 6' c/c	16 w/AR** 6' c/c

* Maximum Length of Duct Section = 12' (with angle ring flanges)

** Angle Ring Reinforcement