



MASONSCOTT
INDUSTRIES



Oval Chart

Flat Oval & Round Spiral

GALVANIZED • PAINT GRIP • ALUMINUM
24 GAUGE THROUGH 18 GAUGE

Minor Axis	4	6	8	10	12	14	16	18	20	22	24	
Diameter:												
6	7.0											24 Gauge
7	8.5											
8	10.2	9.2										
9		10.4										
10	13.4	12.3	11.2									
11	14.9	13.6	12.7									
12		15.3	14.2									
13		16.8	15.7									
14		18.6	17.3									
15			18.9									
16		21.8	20.4									
17	23.4	22.2	21.1	19.9								
18	25.0	23.8	22.7	21.5	20.3							
19	26.6	25.4	24.1	23.1	21.9	20.7						
20	28.1	27.0	25.8	24.7	23.5	22.3	21.2					
22		31.3	30.1	29.0	27.8	26.7	25.5	24.3	23.2			
24		34.5	33.3	32.1	31.0	29.8	28.7	27.5	26.3	25.2		
26		37.6	36.5	35.3	34.1	33.0	31.8	30.7	29.5	28.3	27.2	
28		40.8	39.6	38.5	37.3	36.1	35.0	33.8	32.7	31.5	30.3	
30		44.0	42.8	41.6	40.5	39.3	38.1	37.0	35.8	34.7	33.5	
32		47.1	46.0	44.8	43.6	42.5	41.3	40.1	39.0	37.8	36.7	
34		50.3	49.1	48.0	46.8	45.6	44.5	43.3	42.1	41.0	39.8	
36		53.5	52.3	51.1	50.0	48.8	47.6	46.5	45.3	44.1	43.0	
38		56.6	55.5	54.3	53.1	52.0	50.8	49.6	48.5	47.3	46.1	
40		59.8	58.6	57.5	56.3	55.1	54.0	52.8	51.6	50.5	49.3	
42		62.9	61.8	60.6	59.5	58.3	57.1	56.0	54.8	53.6	52.5	
44		66.1	64.9	63.8	62.6	61.5	60.3	59.1	58.0	56.8	55.6	
46		69.3	68.1	66.9	65.8	64.6	63.5	62.3	61.1	60.0	58.8	
48		72.4	71.3	70.1	68.9	67.8	66.6	65.5	64.3	63.1	62.0	
50		75.6	74.4	73.3	72.1	70.9	69.8	68.6	67.5	66.3	65.1	
52		78.8	77.6	76.4	75.3	74.1	72.9	71.8	70.6	69.5	68.3	
54		81.9	80.8	79.6	78.4	77.3	76.1	74.9	73.8	72.6	71.5	
56				82.8	81.6	80.4	79.0	78.1	76.9	75.8	74.6	
58							82.4	81.3	80.1	78.9	77.8	
60									83.3	82.1	80.9	

Flat Oval Duct Description

Flat oval spiral ducts have been designed to be used in a multitude of applications where architecturally sound visibility is necessary or space restricts the use of round spiral duct. Flat oval spiral duct is fabricated using a lock seam method which reinforces its strength and durability. Refer to the chart below for specific materials, gauges and lengths.

Material	Thickness	ASTM	Type	Length
Galvanized	24-18 Gauge	A-653	G60-G90	1' to 10'
Paint Grip	24-18 Gauge	A-653	A60	1' to 10'
Aluminum	24-18 Gauge	B-316	3003 H-14	1' to 10'
Stainless Steel	24-18 Gauge	A-240	304 or 316	1' to 10'

Ring Connection

Mason Scott Industries flanged ring connectors are fabricated from 16 Gauge material matching the type of material used for the round or flat oval spiral duct in your order. These flanges are used for assembling round and flat oval spiral duct fittings. When the ring connection is provided for double wall round and flat oval spiral duct or fittings, a secondary factory installed flange is affixed. This keeps the inner liner concentric and eliminates the need to make an additional connection at the inner wall.



Flat Oval Recommended Size and Gauge Chart:

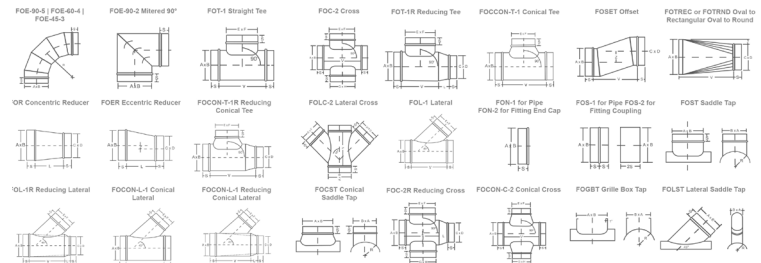
Major Dimension Duct Width	Spiral Seam Duct Gauge	Gauges of Fittings
4" to 24"	24	24
26" to 36"	22	22
38" to 48"	22	20
50" to 60"	20	20
62" to 70"	20	18
72" and up	18	18

Coupling Connection

Pipe to pipe connections are made by using a fitting sized coupling that slips inside the mating duct sections. A stop bead runs around the middle of the coupling which is then centered between connections. Secure the connection by using mechanical fasteners, 1/2" back from the stop bead.



FLAT OVAL & ROUND SPIRAL FITTINGS





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