

Specification - Sizes

Minor Nom, in	Major Nom, in	Equiv Round, in	Max Pipe Length, ft	Weight/Line ar ft, lbs
4	10	6.6	6	2.6
6	9	7.6	6	2.6
6	10	8.1	6	2.9
6	12	8.9	8	3.2
6	14	9.6	8	3.5
6	15	9.9	8	3.8
6	17	10.5	8	4.2
6	19	11.1	8	4.5
6	20	11.3	8	4.8
6	22	11.8	12	5.1
6	23	12.1	12	5.5
6	25	12.5	12	7.0
6	26	12.7	12	7.4
6	28	13.1	12	7.8
6	29	13.3	12	8.2
6	31	13.7	12	8.6
6	34	14.3	12	9.4
6	37	14.8	12	10.1
6	41	15.4	12	10.9
6	44	15.9	12	11.7
6	47	16.3	12	12.5
6	50	16.8	12	15.6
6	53	17.2	12	16.5
6	56	17.5	12	17.5
6	59	17.9	12	18.4
6	63	18.4	12	19.3
6	66	18.7	12	20.2
6	69	19.1	12	21.1
6	72	19.4	12	28.7
6	75	19.7	12	29.9
8	10	9.2	6	2.9
8	11	9.7	6	3.2
8	12	10.2	8	3.5
8	14	11.0	8	3.8
8	16	11.8	8	4.2
8	17	12.2	8	4.5
8	19	12.9	8	4.8
8	21	13.5	12	5.1
8	22	13.8	12	5.5
8	24	14.4	12	5.8
8	25	14.7	12	7.4
8	27	15.2	12	7.8
8	28	15.4	12	8.2
8	30	15.9	12	8.6
8	33	16.6	12	9.4
8	36	17.3	12	10.1
8	39	17.9	12	10.9
8	43	18.6	12	11.7
8	46	19.2	12	12.5
8	49	19.7	12	15.6
8	52	20.2	12	16.5

Minor Nom, in	Major Nom, in	Equiv Round, in	Max Pipe Length, ft	Weight/Line ar ft, lbs
8	55	20.6	12	17.5
8	58	21.1	12	18.4
8	61	21.5	12	19.3
8	65	22.1	12	20.2
8	68	22.5	12	21.1
8	71	22.9	12	28.7
8	74	23.3	12	29.9
8	77	23.7	12	31.1
8	80	24.1	12	32.3
10	12	11.2	8	3.5
10	13	11.7	8	3.8
10	14	12.2	8	4.2
10	16	13.2	8	4.5
10	18	14.0	8	4.8
10	19	14.4	8	5.1
10	21	15.2	12	5.5
10	23	15.9	12	5.8
10	24	16.2	12	6.1
10	26	16.8	12	7.8
10	27	17.1	12	8.2
10	29	17.7	12	8.6
10	32	18.5	12	9.4
10	35	19.3	12	10.1
10	38	20.0	12	10.9
10	41	20.7	12	11.7
10	45	21.6	12	12.5
10	48	22.2	12	13.3
10	51	22.8	12	16.5
10	54	23.3	12	17.5
10	57	23.9	12	18.4
10	60	24.4	12	19.3
10	63	24.9	12	20.2
10	67	25.5	12	21.1
10	70	26.0	12	22.1
10	73	26.5	12	29.9
10	76	26.9	12	31.1
10	79	27.3	12	32.3
10	82*	27.7	12	33.5
12	14*	13.2	8	4.2
12	15	13.8	8	4.5
12	16	14.3	8	4.8
12	18	15.3	8	5.1
12	20	16.1	8	5.5
12	21	16.6	8	5.8
12	23	17.4	8	6.1
12	25	18.1	12	7.8
12	26	18.5	12	8.2
12	28	19.2	12	8.6
12	31	20.1	12	9.4
12	34	21.0	12	10.1
12	37	21.9	12	10.9



Specification - Sizes

Minor Nom, in	Major Nom, in	Equip Round, in	Max Pipe Length, ft	Weight/Line ar ft, lbs
12	40	22.7	12	11.7
12	43	23.4	12	12.5
12	47	24.4	12	13.3
12	50	25.0	12	16.5
12	53	25.7	12	17.5
12	56	26.3	12	18.4
12	59	26.9	12	19.3
12	62	27.5	12	20.2
12	65	28.0	12	21.1
12	69	28.7	12	22.1
12	72	29.3	12	29.9
12	75	29.8	12	31.1
12	78	30.3	12	32.3
12	81	30.7	12	33.5
12	84	31.2	12	34.7
14	17	15.8	8	5.1
14	18	16.3	8	5.5
14	20	17.3	8	5.8
14	22	18.3	12	6.1
14	23	18.7	12	6.4
14	25"	19.5	12	8.2
14	27	20.3	12	8.6
14	30	21.4	12	9.4
14	33	22.5	12	10.1
14	36	23.4	12	10.9
14	39	24.3	12	11.7
14	42	25.2	12	12.5
14	45	26.0	12	13.3
14	49	27.0	12	16.5
14	52	27.7	12	17.5
14	55	28.4	12	18.4
14	58	29.1	12	19.3
14	61	29.8	12	20.2
14	64	30.4	12	21.1
14	67	31.0	12	22.1
14	71	31.8	12	29.9
14	74	32.4	12	31.1
14	77	32.9	12	32.3
14	80	33.4	12	33.5
14	83"	34.0	12	34.7
16	18	17.2	6	5.5
16	19	17.8	6	5.8
16	20	18.3	6	6.1
16	22	19.4	6	6.4
16	24"	20.3	6	6.7
16	25	20.8	12	8.6
16	29	22.5	12	9.4
16	32	23.7	12	10.1
16	35	24.7	12	10.9
16	38	25.8	12	11.7
16	41	26.7	12	12.5

Minor Nom, in	Major Nom, in	Equip Round, in	Max Pipe Length, ft	Weight/Line ar ft, lbs
16	44	27.6	12	13.3
16	47	28.5	12	14.0
16	51	29.6	12	17.5
16	54	30.4	12	18.4
16	57	31.1	12	19.3
16	60	31.8	12	20.2
16	63	32.5	12	21.1
16	66	33.2	12	22.1
16	69	33.9	12	23.0
16	73	34.7	12	31.1
16	76	35.3	12	32.3
16	79	35.9	12	33.5
16	82"	36.5	12	34.7
18	20"	19.2	6	6.1
18	21"	19.8	6	6.4
18	22"	20.4	6	6.7
18	24	21.4	12	7.1
18	27	22.9	12	9.4
18	31	24.6	12	10.1
18	34	25.9	12	10.9
18	37	27.0	12	11.7
18	40	28.1	12	12.5
18	43	29.1	12	13.3
18	46	30.0	12	14.0
18	49	30.9	12	17.5
18	53	32.1	12	18.4
18	56	32.9	12	19.3
18	59	33.7	12	20.2
18	62	34.5	12	21.1
18	65	35.2	12	22.1
18	68	35.9	12	23.0
18	71	36.6	12	31.1
18	75	37.5	12	32.3
18	78	38.2	12	33.5
18	81	38.8	12	34.7
18	84	39.4	12	35.9
20	26	23.5	12	9.4
20	29	25.0	12	10.1
20	33	26.8	12	10.9
20	36	28.0	12	11.7
20	39	29.2	12	12.5
20	42	30.3	12	13.3
20	45	31.4	12	14.0
20	48	32.4	12	14.8
20	51	33.3	12	18.4
20	55	34.5	12	19.3
20	58	35.4	12	20.2
20	61	36.2	12	21.1
20	64	37.1	12	22.1
20	67	37.8	12	23.0
20	70	38.6	12	23.9

Specification - Sizes

Minor Nom, in	Major Nom, in	Equiv Round, in	Max Pipe Length, ft	Weight/Line ar ft, lbs
20	73	39.3	12	32.3
20	77	40.3	12	33.5
20	80	41.0	12	34.7
20	83*	41.6	12	35.9
22	28	25.5	12	10.1
22	31	27.0	12	10.9
22	35	28.9	12	11.7
22	38	30.2	12	12.5
22	41	31.4	12	13.3
22	44	32.5	12	14.0
22	47	33.6	12	14.8
22	50	34.7	12	18.4
22	53	35.7	12	19.3
22	57	36.9	12	20.2
22	60	37.8	12	21.1
22	63	38.7	12	22.1
22	66	39.6	12	23.0
22	69	40.4	12	23.9
22	72	41.2	12	32.3
22	75	42.0	12	33.5
22	79	42.9	12	34.7
22	82	43.7	12	35.9
24	30	27.5	12	10.9
24	33	29.1	12	11.7
24	37	31.0	12	12.5
24	40	32.3	12	13.3
24	43	33.5	12	14.0
24	46	34.7	12	14.8
24	49	35.9	12	18.4
24	52	36.9	12	19.3
24	55	38.0	12	20.2
24	59	39.3	12	21.1
24	62	40.2	12	22.1
24	65	41.2	12	23.0
24	68	42.0	12	23.9
24	71	42.9	12	32.3
24	74	43.7	12	33.5
24	77	44.5	12	34.7
24	81*	45.6	12	35.9
24	84*	46.3	12	37.1
26	29	27.9	8	10.9
26	32	29.5	8	11.7
26	35	31.1	8	12.5
26	39	33.0	8	13.3
26	42	34.4	8	14.0
26	45	35.7	8	14.8
26	48	36.9	8	15.6
26	51	38.1	8	19.3
26	54	39.2	8	20.2
26	57	40.3	8	21.1
26	61	41.6	8	22.1

Minor Nom, in	Major Nom, in	Equiv Round, in	Max Pipe Length, ft	Weight/Line ar ft, lbs
26	64	42.6	8	23.0
26	67	43.5	8	23.9
26	70	44.5	8	24.8
26	73	45.3	8	33.5
26	76	46.2	8	34.7
26	79	47.0	8	35.9
26	83*	48.1	8	37.1
28	31	29.9	8	11.7
28	34	31.6	8	12.5
28	37	33.2	8	13.3
28	41	35.1	8	14.0
28	44	36.5	8	14.8
28	47	37.8	8	15.6
28	50	39.1	8	19.3
28	53	40.3	8	20.2
28	56	41.4	8	21.1
28	59	42.5	8	22.1
28	63	43.9	8	23.0
28	66	44.9	8	23.9
28	69	45.9	8	24.8
28	72	46.8	8	33.5
28	75	47.8	8	34.7
28	78	48.7	8	35.9
28	81*	49.5	8	37.1
30	33*	31.9	8	12.5
30	36	33.6	8	13.3
30	39	35.2	8	14.0
30	43	37.2	8	14.8
30	46	38.6	8	15.6
30	49	39.9	8	19.3
30	52	41.2	8	20.2
30	55	42.4	8	21.1
30	58	43.6	8	22.1
30	61	44.7	8	23.0
30	65	46.2	8	23.9
30	68	47.2	8	24.8
30	71	48.2	8	33.5
30	74	49.2	8	34.7
30	77	50.1	8	35.9
30	80	51.1	8	37.1
30	83	52.0	8	38.3
32	38	35.6	6	14.0
32	41	37.2	6	14.8
32	45	39.2	6	15.6
32	48	40.7	6	16.4
32	51	42.0	6	20.2
32	54	43.3	6	21.1
32	57	44.6	6	22.1
32	60	45.8	6	23.0
32	63	46.9	6	23.9
32	67	48.4	6	24.8

Specification - Sizes

Minor Nom, in	Major Nom, in	Equiv Round, in	Max Pipe Length, ft	Weight/Line ar ft, lbs
32	70	49.5	6	25.7
32	73	50.5	6	34.7
32	76	51.5	6	35.9
32	79	52.5	6	37.1
32	82*	53.4	6	38.3
34	40	37.6	6	14.8
34	43	39.3	6	15.6
34	47	41.3	6	16.4
34	50	42.7	6	20.2
34	53	44.1	6	21.1
34	56	45.5	6	22.1
34	59	46.7	6	23.0
34	65	49.1	6	24.8
34	69	50.6	6	25.7
34	72	51.7	6	34.7
34	75	52.8	6	35.9

Minor Nom, in	Major Nom, in	Equiv Round, in	Max Pipe Length, ft	Weight/Line ar ft, lbs
34	81	54.8	6	38.3
34	84*	55.8	6	39.5
36	42*	39.6	6	15.6
36	45*	41.3	6	16.4
36	49*	43.3	6	20.2
36	52*	44.8	6	21.1
36	55*	46.2	6	22.1
36	58*	47.6	6	23.0
36	61*	48.9	6	23.9
36	64*	50.1	6	24.8
36	67*	51.3	6	25.7
36	71*	52.9	6	34.7
36	74*	54.0	6	35.9
36	77*	55.1	6	37.1
36	80*	56.1	6	38.3
36	83*	57.1	6	39.5

PLEASE NOTE

- The sizes outlined here are available in single and 1" double wall spiral unless noted with an asterisk (*). An asterisk indicates the size is available in single wall only. 2" and 3" double wall is available but not represented in the dimensional chart.
- Pipe can be constructed in any minor/major combination using long seam construction.
- Fittings can be constructed in any minor/major combination under 83" major.
- Pipe and fitting gauge to meet or exceed SMACNA guidelines.

Major Dim (in)	Longitudinal Seam	Spiral Seam	Fitting
To 24	20	24	20
30	20	22	20
36	20	22	20
42	18	22	18
48	18	22	18
54	18	20	18
60	18	20	18
66	16	20	16
71 and up	16	18	16

Credit: SMACNA HVAC Duct Construction Standards Metal and Flexible (2005), Table 3-15 Flat Oval Duct Gauge, Positive Pressure to 10 iwg.

Flat Oval to Round
$$D_e = 1.55 \times \frac{(A)^{0.625}}{(P)^{0.250}}$$

Rectangular to Round
$$D_e = 1.3 \times \frac{(a \times b)^{0.625}}{(a + b)^{0.250}}$$

D_e = Equivalent round diameter (equal pressure loss), in

A = Cross sectional area, in²

P = Flat oval perimeter, in

a = Rectangular dimension, in

b = Rectangular dimension, in