



SUBMITTAL FORMS

Flat Oval Duct

SUBMITTAL FORM

- Flat Oval Duct & Fittings are built to SMACNA 2" W.G. duct construction standards and fabricated from galvanized steel meeting ASTM-A653-96 standards.
- Joint connection, unless otherwise specified, will be furnished with coupling slip-joint connections.
- All fitting ends will insert a minimum of 2" inside mating duct.
- Seam construction, unless otherwise specified, will be spot-welded construction. If specified, a protective seam sealer formulated for bonding metal to metal will be applied.
- Reinforcement for flat sides of oval duct shall be of the same size & spacing intervals as specified by SMACNA for rectangular duct.
- Flat Oval Duct is for positive pressure applications only unless special designs are used.

Flat Oval Duct Construction

Major Dimension Duct Width	Longitudinal Seam Duct Gauge	Gauge of Fittings
10"-24"	24	22
25"-36"	22	22
37"-48"	20	20
49"-60"	18	18
61"-70"	16	16
71" & up	16	16

Alternative Joint Connectors*

- Oval Ring Flange
- Oval Coupling

Alternative Seam Construction*

- Seam Welded
- Button Lock

Reinforcement Options*

- External Angle Iron
- Internal Tie Rods

Seam Sealant Available*

- Seal Outside
- Seal Inside

Job Name:

Mechanical Contractor:

Manufacturer: Standard Tinsmith 718-821-4500

Location:

Job No:

Date:

Double Wall Insulated Round

SUBMITTAL FORM

- Double Wall Round Spiral Duct will be constructed of a perforated or solid inner shell, 1" fiberglass insulation & an outer pressure shell.
- Duct will be of spiral lockseam construction, built to 2" s.p. SMACNA standards & fabricated from galvanized steel meeting ASTM-A653-96 standards.
- Double Wall Round Fittings are perforated.
- Joint construction, unless otherwise specified, will be furnished with coupling slip-joint connections.
- All fitting ends will insert a minimum of 2" inside the mating duct.
- All fitting seam connections will be spot-welded on 1" centers.
- Perforations of inner-skin are 3/32" diameter, 23% open area.
- Thermal conductivity is .27 @ 75° ambient temperature for 1" thick fiberglass insulation.
- 2" and 3" insulation is also available and will be used based on detailed order sheets provided for fabrication.
- Other materials available upon request.

Double Wall Insulated Round Spiral Duct			
Outer Shell Dia.	Outer Shell Gauge	Inner Shell Gauge	
		Perforated	Solid
6"-14"	24	22	24
16"-24"	24	22	24
26"-42"	22	22	22
44"-66"	20	22	22
68"-96"	18	22	20

Double Wall Insulated Round Fittings			
Outer Shell Dia.	Outer Shell Gauge	Inner Shell Gauge	
		Perforated	Solid
6"-14"	24	22	24
15"-18"	24	22	24
19"-24"	24	22	24
25"-42"	22	22	22
43"-60"	20	22	22
61"-96"	18	22	20

Alternative Joint Connectors*

- Oval Ring Flange
- Couplings

Alternative Fitting Seam Construction*

- Seam Welded
- Button Lock

Fitting Seam Sealant Available*

- Seal Outside
- Seal Inside

Job Name:

Mechanical Contractor:

Manufacturer: Standard Tinsmith 718-821-4500

Location:

Job No:

Date:

Round Spiral Duct & Fittings

SUBMITTAL FORM

Standard Tinsmith spiral duct is made with air-tight spiral 4-ply lock seam construction, available in galvanized G90 steel, cold rolled steel, stainless steel & aluminum in accordance with 2005 SMACNA HVAC Duct Construction Standards.

- Standard Tinsmith Spiral Duct & Fittings meet ASTM-A653-96 standards
- Furnished with coupling slip-joint connections unless otherwise specified
- All fitting ends will insert a minimum of 2" inside the mating duct
- Seam construction will be locked on 1" centers unless otherwise specified
- If specified, a protective seam sealer formulated for bonding metal will be applied
- Standard (Type S)- A smooth, high-strength duct. Provides a combination of high strength and economy, plus the lowest friction loss available
- Semi-Ribbed (Type SR)-Offers a reinforcing corrugation for added strength.

Spiral Duct Construction

Positive 2-10 W.G. Static Pressure

Duct Diameter	Spiral Seam Gauge	Longitudinal Seam Gauge
3"-14"	24	24
15"-18"	24	24
19"-24"	24	24
26"-42"	22	22
44"-60"	20	20
62"-66"	18	18
68"-84"	18	18

SPIRAL OPTIONS

Alternative Joint Connectors*

- Dura Flange
- Angle Rings
- Spiralmate

FITTING OPTIONS

Alternative Seam Construction* Seam Sealant Available*

- Seam Welded
- Snap-Lock
- Seal Outside
- Seal Inside

Job Name:

Mechanical Contractor:

Manufacturer: Standard Tinsmith 718-821-4500

Location:

Job No:

Date:

Double Wall Insulated Flat Oval Duct

SUBMITTAL FORM

- Double Wall Insulated Flat Oval Duct & Fittings are built to SMACNA 2" W.G. duct construction standards and fabricated from galvanized steel, galvalume, aluminum, and stainless steel meeting ASTM-A-653-96 standards.
- Standard 1" wall thickness. Other thicknesses are available.
- Inner shell can be solid or perforated metal for sound control.
- Flat Oval Fittings are fabricated with a solid inner shell unless specified as perforated by the mechanical engineer.
- Joint construction, unless otherwise specified, will be furnished with coupling slip-joints.
- All fitting ends will insert a minimum of 2" inside the mating duct.
- All seam connections will be spot-welded on 1" centers
- If specified, a protective joint sealer formulated for bonding metal to metal seams will be applied

Double Wall Flat Oval Duct is made with longitudinal seam construction, fabricated from galvanized steel, galvalume, aluminum, and stainless steel in accordance with the latest edition of SMACNA duct construction standards

Double Wall Insulated Flat Oval Long Seam Duct & Fittings

Major Axis	Outer Shell Gauge	Inner Shell Gauge
4"-23"	24	22
24"-46"	22	22
47"-68"	18	20

Alternative Joint Connectors*

- Oval Ring Flange
- Couplings

Alternative Seam Construction*

- Seam Welded
- Button Lock

Reinforcement Options*

- External Angle Iron
- Internal Tie Rods

Seam Sealant Available*

- Seal Outside
- Seal Inside

Job Name:

Mechanical Contractor:

Manufacturer: Standard Tinsmith 718-821-4500

Location:

Job No:

Date:



CONTACT

255 East 2nd Street
Building 2
Mineola, NY 11501

Tel: 718-821-4500

Email: info@tinsmith.com