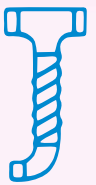


SPIRAL TUBES PRIVATE LIMITED



Estd. 1973



ONE STOP SOLUTION FOR ALL DUCTING NEEDS



Manufacturers of Spiral Round & Flat Oval Tubes Since 1973

SPIRAL ROUND DUCT

Four ply Spiral Lock Seam Round Ducts made in our machine offers various advantages over both Rectangular & Plain round ducts by virtue of its construction.

- Strong & Rigid
- More Energy Efficient due to Low Friction
- Lower Operation & Maintenance Cost
- Noise Free
- No Restriction on Length
- Dimensional Accuracy as Machine Made
- Factory Fabricated in ready to Installation condition
- Faster Installation & Less Installation Cost



Specifications:

Diameter: 43 mm to 2032 mm

Thickness: 0.6 mm to 1.6 mm

Material: Galvanized Steel, Mild Steel, Stainless Steel, Aluminum

Spiral Duct Thickness as per SMACNA

- Upto 24" Dia 0.60 mm(24G)
- 25" to 36" Dia 0.80 mm(22G)
- 38" to 50" Dia 1.00 mm(20G)
- Above 50" Dia 1.20 mm(18G)

Application:

- Air-conditioning
- Ventilation
- Duct & Fume Extraction
- Mine & Tunnel Ventilation
- Pneumatic Conveying
- Kitchen/Chimney Exhaust
- Ship Air-conditioning



Perimeter of round duct is 20% less compared to same cross sectional area of rectangular ducts. Thus more material saving resulting in cost effectiveness with added advantages

SPIRAL FLAT OVAL DUCT



Elliptical Duct commonly referred as Flat Oval Duct is specially designed as a replacement to Rectangular Duct for low head room and restricted space locations. Flat Oval Spiral Duct is machine made from spiral lock seam round duct.

Spiral Flat Oval duct offers many advantages over Rectangular Duct.

- More strength due to Spiral Reinforced Duct fabrication
- Requires less reinforcement
- Low Friction due to smooth inner surface
- Simplified Duct to Duct Joining System
- Less Joints due to Longer Length (upto 2.5 rmt)
- Easy to handle & Install
- Better Esthetics
- Factory Fabricated Ducts & Fittings resulting in less site work

Range

Minor Axis: 6" to 20"

Major Axis: 21" to 71"

Material

Galvanised steel

Thickness

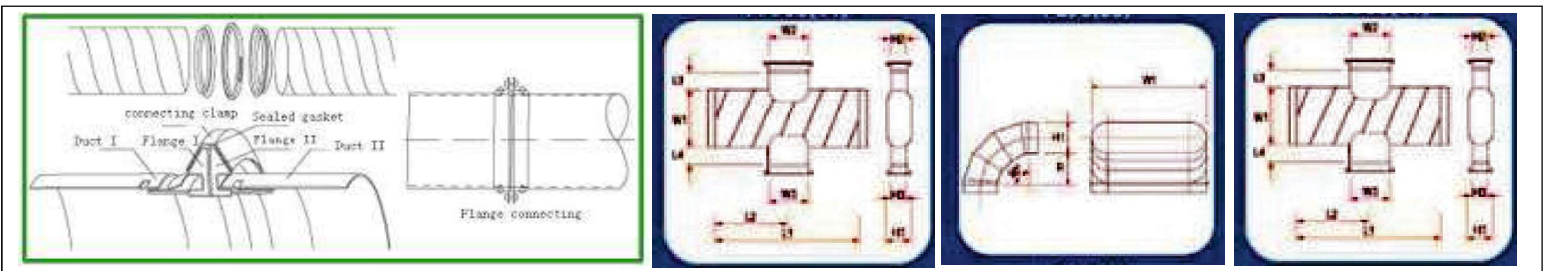
0.60 mm to 1.0 mm

Flat Oval Duct Standards as per SMACNA

Major Axis Duct Width	Spiral Duct Thickness (Gauge)	Duct Fittings (Gauge)
Upto 24"	0.60mm (24G)	1.00mm (20G)
25"-36"	0.80mm (22G)	1.00mm (20G)
37"-48"	0.80mm (22G)	1.2mm (18G)
49"-60"	1.00mm (20G)	1.2mm (18G)
61"-71"	1.00mm (20G)	1.6mm (16G)



Flat span reinforcement with internal tie rods for oval duct



STANDARD FLAT OVAL SIZES

Tube Dia In Inch	FLAT OVAL MINOR AXIS in inch								
	6	8	10	12	14	16	18	20	
16	22	21							
18	25	24	23						
20	28	27	26	25					
22	32	30	29	28	27	26			
24		34	32	31	30	29	28	27	
26		37	36	34	33	32	31	30	
28		40	39	38	36	35	34	33	
30			42	41	40	38	37	36	
32	FLAT OVAL MAJOR AXIS		45	44	43	42	40	39	
34			48	47	46	45	44	42	
36			51	50	49	48	47	46	
38				53	52	51	50	49	
40				56	55	54	53	52	
42				60	58	57	56	55	
44				63	62	60	59	58	
46					65	64	62	61	
48					68	67	66	64	
50					71	70	69	68	

DUCT TO DUCT JOINTING SYSTEM



SUPPORTS SYSTEM



Value Added Products & Services



Perforated Spiral Ducts & Fittings

- Used as Acoustic Ducts in Air Distribution System
- Used as Dewatering & Drain Pipes in Underground Mines.

Pre insulated Double Walled Spiral Round & Flat Oval Ducts and Fittings

- Generally Fiberglass Wool/Mineral Wool is used as the insulating material in double walled pre insulated ducts. Insulating material is sandwiched between outer and inner ducts and fittings.
- In case of double walled thermal insulated ducts the outer shell will be Spiral duct, 25/50/ mm thick (as per requirement) Fiberglass wool/mineral wool of required density compressed to half the size and then an internal protective metal liner which will be either Spiral duct or plain Duct
- In case of double walled Acoustic Insulated Ducts, the outer shall will be Spiral Duct, Fiberglass wool/mineral wool and an internal Perforated Spiral or plain duct with a Fiberglass Tissue placed between the insulating material and Inner duct.

Pre Insulated Single Walled Spiral Round & Flat Oval Ducts and Fittings

General Insulating Materials Used :

- Closed Cell/Open Cell processed Elastomeric Foam (Nitrile Rubber) for Thermal/Acoustic Insulation
- Closed Cell/Open Cell Physically Cross linked Polyolefin foam (Thermobreak) for Thermal/Acoustic Insulation.
- The insulating material is stuck either to the inner surface or outer surface as per requirement.
- The insulating materials are available in Plain Form, Aluminum Clad and also

We also offer Spray painted/Powder Coated ducts and fittings as per customer choice. As Per Client Request Grill Cutting and fixing can be done at factory.

In special circumstances Spiral Round Machine can be shifted to site also.





Spiral Tubes Pvt. Ltd, promoted in 1973 by a team of Technocrats, is the Pioneer and First of its kind in India offering Complete Ducting Solution with State of the Art Machine Made Spiral Ducts and Fittings.

With continuous R & D and to meet the ever changing Customer Requirements, the Facilities are augmented over the years by way of Machines, Space, Technical Skills and Man Power.

STPL offers Complete Ducting Requirements of the Project based on the Auto CAD drawing along with high Quality and Precision matching total Duct Fittings on a Turn Key Basis, simplifying the task of the installation Team at site.

We ensure that the Project Idea Conceived by the Client is Exactly Engineered by Us.

PRODUCT RANGE

- Spiral Round & Plain Round Ducts
- Spiral Flat Oval & Plain Flat Oval Ducts
- Pre Insulated Double Walled & Single Walled Ducts
- Void Formers
- Complete Duct Fittings like Transition Pieces, VCD's, Slip Joint Couplings, T-Connectors, Y-Branched, Reducers, End Caps, Branch Collars, Grill/Diffuser Collars, Support Systems etc.

FACILITIES

- 90000 Sft landed area with 30000 Sft Covered area
- State of the Art High Speed Tube Forming Machines of Spiro-Switzerland make
- CNC Plasma Cutting Machine
- Flat Oval Tube Forming Machines
- Elbow making machine
- Supporting Fabrication equipment like Drilling, Cutting, Welding, Presses, Bending and Shearing etc.

A FEW OF THE PROJECT ORDERS EXECUTED

- MRF, Medak Dist. –Kernlibers, Tumkur-Amazon Development centres at Pune, Bangalore, Hyderabad
- Air India Boeing, MRO Facility, Nagpur- Goa Shipyard, Goa-Sandisk, Bangalore-Bosch, Bangalore
- Amara Raja Batteries Limited, Chittoor & Tirupathi- Incubation Centre, T-Hub, IIIT, Hyderabad
- Kemfort Projects, Bangalore -Karle Infra Project, Bangalore-Time Inc., Bangalore-Molex-Bangalore
- Alexandria Knowledge Park, Shameerpet-Fort Grand Convention Centre, Shamshabad-J Convention, Nagole
- Spar Hyper market, Hyderabad - Manjeera Mall, Hyderabad, Care Hospital, Gachi bowli, Hyderabad
- ABBOT Health Care, Baruch- Tata Elexi & Rossel Techsys-Bangalore, Mindspace Business Park-Hyderabad
- ITC Ltd.-Bhadrachalam, Parakh Agro-Pune-Seagate Technology, Pune-Mylan Laboratories, Nasik-JSW Steel, Bellary
- Hero Honda Motors, Jaipur-Glaxo Smithkline, Dowaleswaram-General Motor, Bangalore,



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