



## Double Wall Insulated Flat Oval Duct

DESIGN NOTES:

- ⇒ Double Wall Flat Oval Duct & Fittings are built to SMACNA 2" W.G. duct construction standards and fabricated from galvanized 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 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
To 36"	20	24
37" - 60"	18	22
61" & Up	16	22

**\*Note: Check to indicate variations from standard construction methods**

**Alternative Joint Connectors\***

**Dura Flange**

\_\_\_\_\_

**Alternative Seam Construction\***

**Seam Welded**

\_\_\_\_\_

**Reinforcement Options\***

**External Angle Iron**

**Internal Tie Rods**

**Seam Sealant Available\***

**Seal Outside**

**Seal Inside**

**\*Note: Check to indicate variations from standard construction methods**

[www.omniduct.com](http://www.omniduct.com)

**Job Name:** \_\_\_\_\_

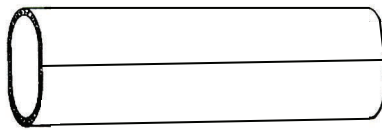
**Location:** \_\_\_\_\_

**Mechanical Contractor:** \_\_\_\_\_

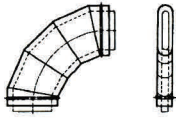
**Job No:** \_\_\_\_\_

**Manufacturer :** Omni Duct Systems, Toll Free (888) 444-DUCT (3828)

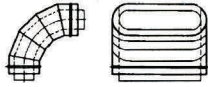
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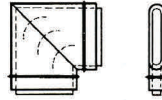
**DOUBLE WALL FLAT OVAL SPIRAL DUCT**



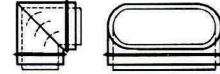
**90° 5-GORE ELBOW  
HARD BEND**



**90° 5-GORE ELBOW  
EASY BEND**



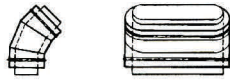
**90° MITERED ELBOW  
w/VANES – HARD BEND**



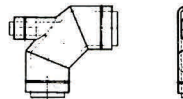
**90° MITERED ELBOW  
w/VANES – EASY BEND**



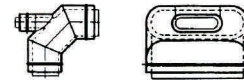
**45° 3-GORE ELBOW  
HARD BEND**



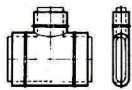
**45° 3-GORE ELBOW  
EASY BEND**



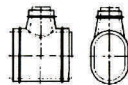
**90° HEEL-TAPPED  
ELBOW – HARD BEND**



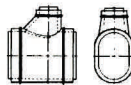
**90° HEEL-TAPPED ELBOW  
EASY BEND**



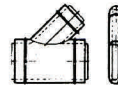
**STRAIGHT TEE**



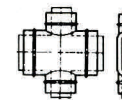
**CONICAL TEE**



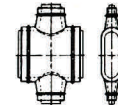
**LoLOSS TEE**



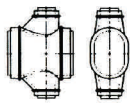
**45° LATERAL**



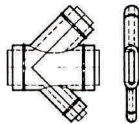
**STRAIGHT 90°  
CROSS**



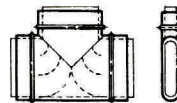
**CONICAL 90°  
CROSS**



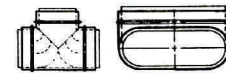
**LoLoss 90° CROSS**



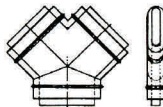
**45° LATERAL  
CROSS**



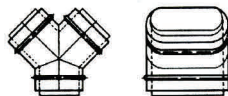
**BULLHEAD TEE  
w/VANES – HARD BEND**



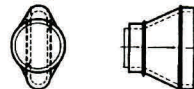
**BULLHEAD TEE w/VANES  
EASY BEND**



**Y-BRANCH  
HARD BEND**



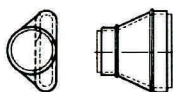
**Y-BRANCH  
EASY BEND**



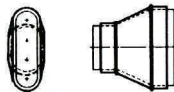
**OVAL-TO-ROUND  
TRANSITION  
CONCENTRIC**



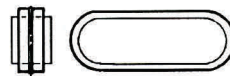
**OVAL-TO-ROUND  
TRANSITION MINOR  
AXIS TANGENT**



**OVAL-TO-ROUND  
TRANSITION MAJOR  
AXIS TANGENT**



**OVAL-TO-OVAL TRANSITION  
PARALLEL AXIS,  
CONCENTRIC**



**DUCT COUPLING**



**DUCT END CAP**