



Flat Oval Duct

DESIGN NOTES

- ⇒ 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 the 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"	20	20
25" - 36"	20	20
37" - 48"	18	18
49" - 60"	18	18
61" - 70"	16	16
71" & Up	16	16

***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

Job Name: _____

Location: _____

Mechanical Contractor: _____

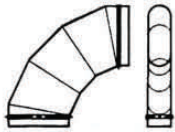
Job No: _____

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

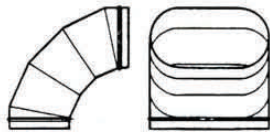
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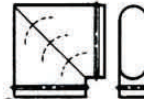
FLAT OVAL DUCT



90° 5-GORE ELBOW
HARD BEND



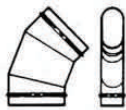
90° 5-GORE ELBOW
EASY BEND



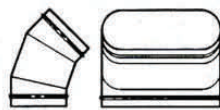
90° MITERED ELBOW
w/VANES – HARD BEND



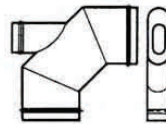
90° MITERED ELBOW
w/VANES – EASY BEND



45° 3-GORE ELBOW
HARD BEND



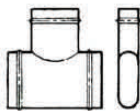
45° 3-GORE ELBOW
EASY BEND



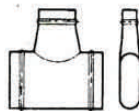
90° HEEL-TAPPED
ELBOW – HARD BEND



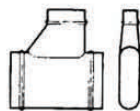
90° HEEL-TAPPED ELBOW
EASY BEND



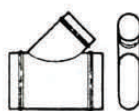
STRAIGHT TEE



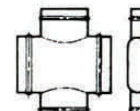
CONICAL TEE



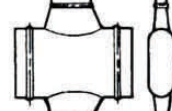
LoLOSS TEE



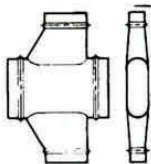
45° LATERAL



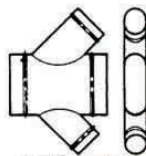
STRAIGHT 90°
CROSS



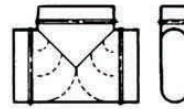
CONICAL 90°
CROSS



LoLOSS 90° CROSS



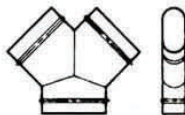
45° LATERAL
CROSS



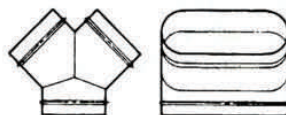
BULLHEAD TEE
w/VANES – HARD BEND



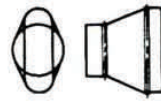
BULLHEAD TEE w/VANES
EASY BEND



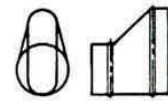
Y-BRANCH
HARD BEND



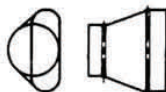
Y-BRANCH
EASY BEND



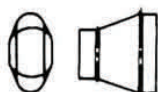
OVAL-TO-ROUND
TRANSITION
CONCENTRIC



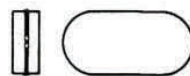
OVAL-TO-ROUND
TRANSITION MINOR
AXIS TANGENT



OVAL-TO-ROUND
TRANSITION MAJOR AXIS
TANGENT



OVAL-TO-OVAL TRANSITION
PARALLEL AXIS,
CONCENTRIC



DUCT COUPLING



DUCT END CAP