

Double Wall Insulated Flat Oval Duct

- ⇒ 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**

Job Name: _____

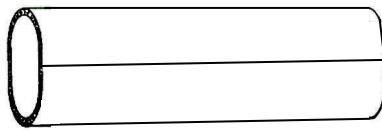
Location: _____

Mechanical Contractor: _____

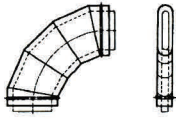
Job No: _____

Manufacturer : Kolsten Industrial (480) 339-1990

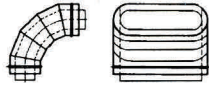
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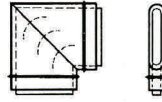
DOUBLE WALL FLAT OVAL SPIRAL DUCT



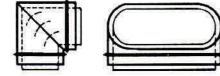
**90° 5-GORE ELBOW
HARD BEND**



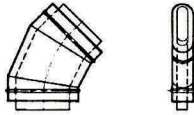
**90° 5-GORE ELBOW
EASY BEND**



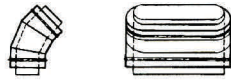
**90° MITERED ELBOW
w/VANES – HARD BEND**



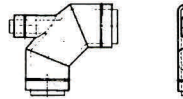
**90° MITERED ELBOW
w/VANES – EASY BEND**



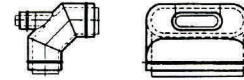
**45° 3-GORE ELBOW
HARD BEND**



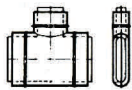
**45° 3-GORE ELBOW
EASY BEND**



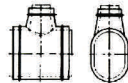
**90° HEEL-TAPPED
ELBOW – HARD BEND**



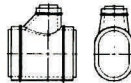
**90° HEEL-TAPPED ELBOW
EASY BEND**



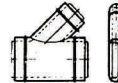
STRAIGHT TEE



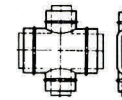
CONICAL TEE



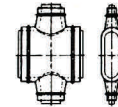
LoLOSS TEE



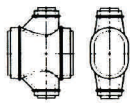
45° LATERAL



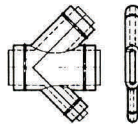
**STRAIGHT 90°
CROSS**



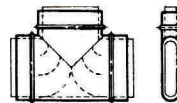
**CONICAL 90°
CROSS**



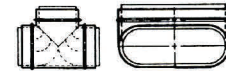
LoLOSS 90° CROSS



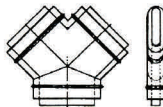
**45° LATERAL
CROSS**



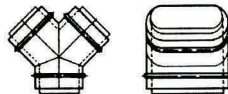
**BULLHEAD TEE
w/VANES – HARD BEND**



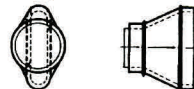
**BULLHEAD TEE w/VANES
EASY BEND**



**Y-BRANCH
HARD BEND**



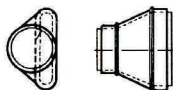
**Y-BRANCH
EASY BEND**



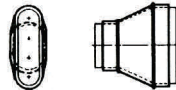
**OVAL-TO-ROUND
TRANSITION
CONCENTRIC**



**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