



**Submittal for
Single Wall
Oval**



HRANEC SHEET METAL, INC.

SUBMITTAL Single Wall Oval

INDEX

- 1 NOTES
- 2 CONNECTIONS
- 3 OVAL DUCT
- 4 TACK & SEAL ELBOW
- 5 REDUCERS
- 6 TEE
- 7 CROSS
- 8 SQUARE TO OVAL
- 9 ROUND TO OVAL
- 10 SQUARE END SADDLE TAP
- 11 OVAL or ROUND END SADDLE TAP
- 12 END CAP
- 13 OFFSET
- 14 VOLUME DAMPERS

SPECIAL NOTES:

1. RECOMMENDED MATERIAL FOR PAINTED OVAL DUCT=PAINT GRIP, HOWEVER GALVANIZED G90 CAN EASILY BE PAINTED WITH EXTRA PREP WORK.
2. WE RECOMMENDED WIPING DOWN MINIMAL EXCESS LUBRICANT TWICE BEFORE PAINTING WITH DRY RAGS. IN ADDITION,WIPE DOWN WITH NO RINSE PREPAINT CLEANER #13158 (SHERWIN WILLIAMS) BEFORE APPLYING TWO COATS METAL PRIMER.
3. ALL PRIMER AND PAINT SHOULD BE LABELED TO ADHERE VERY WELL FOR METAL PAINTING APPLICATIONS.
4. MANUFACTURED USING SPIRAL HELIX EQUIPMENT THE NUMBER ONE LEADER IN OVAL MANUFACTURING EQUIPMENT.
5. OUR OVAL DUCT WORK HAS BEEN EXTENSIVELY AIR TESTED FOR LOW, MEDIUM & HIGH PRESSURES.
6. STANDARD MATERIAL GALVANIZED G90
ALTERNATE MATERIAL PAINT GRIP
ALTERNATE MATERIAL STAINLESS STEEL 304L,316
ALTERNATE MATERIAL ALUMINUM 3003
ALTERNATE MATERIAL PVC COATED
*(PVC IS NOT RECOMMENDED FOR EXPOSED DUCT THAT IS TO BE PAINTED DUE TO VARIATIONS IN COLORS)
7. METAL GAUGES ARE PRESSURE CLASS DRIVEN FROM LATEST SMACNA STANDARDS.
8. PROPER SEALING OF ALL COMPONENTS IS REQUIRED TO AVOID DARK AIR STREAKS AFTER INSTALLATION.
9. LONGITUDINAL SEAMS ARE ALL STITCH WELDED ON FITTINGS.

DESCRIPTION

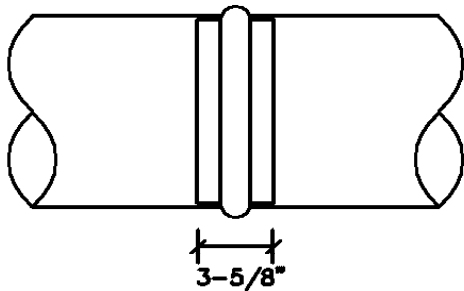
NOTES



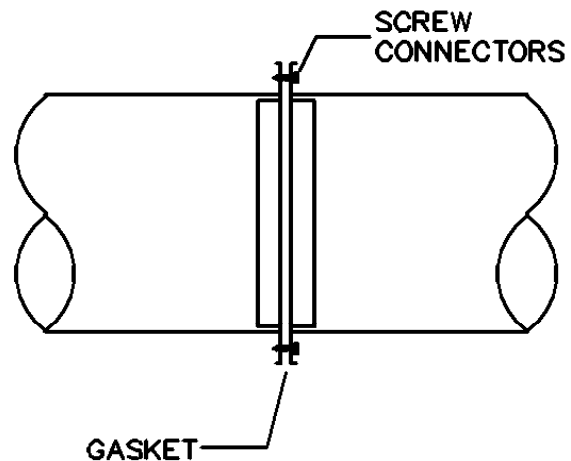
HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS

CONNECTIONS FOR OVAL DUCT AND FITTINGS

**COUPLING
CONNECTION
SECURED WITH SCREWS AND SEALED**



**SINGLE-WALL
FLANGE
SECURED WITH SCREWS AND SEALED**



NOTES:

- A. CONNECTIONS AVAILABLE
 - 1. COUPLING (WITH OR WITHOUT RUBBER GASKET)
 - 2. SINGLE-WALL FLANGE
 - 3. ANGLE RING
 - 4. SINGLE-WALL FLANGE WITH BAND CLAMP
- B. COUPLING CONNECTIONS TO BE CAULKED
- C. FLANGED CONNECTION TO BE GASKET OR CAULKED

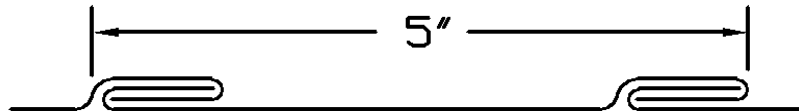
DESCRIPTION

CONNECTIONS

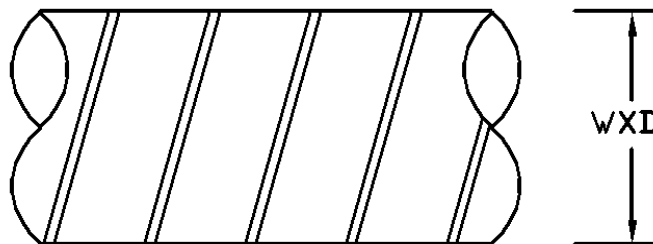


HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS

OVAL DUCT



LATERAL SECTION OF 4-PLY PRESSURE PROOF OVAL SEAM



- LENGTHS-6' THROUGH 120'
- AVAILABLE IN SIZES LISTED BELOW

21.8 x 6	23.8 x 8	22.7 x 10	21.5 x 12	20.3 x 14	22.3 x 16	21.2 x 18	23.2 x 20	25.2 x 22	27.2 x 24
25.0 x 6	27.0 x 8	25.8 x 10	24.7 x 12	23.5 x 14	25.5 x 16	24.3 x 18	26.3 x 20	28.3 x 22	30.3 x 24
28.1 x 6	30.1 x 8	29.0 x 10	27.8 x 12	26.7 x 14	28.7 x 16	27.5 x 18	29.5 x 20	31.5 x 22	33.5 x 24
31.3 x 6	33.3 x 8	32.1 x 10	31.0 x 12	29.8 x 14	31.8 x 16	30.7 x 18	32.7 x 20	34.7 x 22	36.7 x 24
34.5 x 6	36.5 x 8	35.3 x 10	34.1 x 12	33.0 x 14	35.0 x 16	33.8 x 18	35.8 x 20	37.8 x 22	39.8 x 24
37.6 x 6	39.6 x 8	38.5 x 10	37.3 x 12	36.1 x 14	38.1 x 16	37.0 x 18	39.0 x 20	41.0 x 22	43.0 x 24
40.8 x 6	42.8 x 8	41.6 x 10	40.5 x 12	39.3 x 14	41.3 x 16	40.1 x 18	42.1 x 20	44.1 x 22	46.1 x 24
44.0 x 6	46.0 x 8	44.8 x 10	43.6 x 12	42.5 x 14	44.5 x 16	43.3 x 18	45.3 x 20	47.3 x 22	49.3 x 24
47.1 x 6	49.1 x 8	48.0 x 10	46.8 x 12	45.6 x 14	47.6 x 16	46.5 x 18	48.5 x 20	50.5 x 22	52.5 x 24
50.3 x 6	52.3 x 8	51.1 x 10	50.0 x 12	48.8 x 14	50.8 x 16	49.6 x 18	51.6 x 20	53.6 x 22	55.6 x 24
53.5 x 6	55.5 x 8	54.3 x 10	53.1 x 12	52.0 x 14	54.0 x 16	52.8 x 18	54.8 x 20	56.8 x 22	58.8 x 24
56.6 x 6	58.6 x 8	57.5 x 10	56.3 x 12	55.1 x 14	57.1 x 16	56.0 x 18	58.0 x 20	60.0 x 22	65.1 x 24
59.8 x 6	61.8 x 8	60.6 x 10	59.5 x 12	58.3 x 14	60.3 x 16	59.1 x 18	61.1 x 20	63.1 x 22	68.3 x 24
62.9 x 6	64.9 x 8	63.8 x 10	62.6 x 12	61.5 x 14	63.5 x 16	62.3 x 18	64.3 x 20	66.3 x 22	71.5 x 24
66.1 x 6	68.1 x 8	66.9 x 10	65.8 x 12	64.6 x 14	66.6 x 16	65.5 x 18	67.5 x 20	69.5 x 22	74.6 x 24
69.3 x 6	71.3 x 8	70.1 x 10	68.9 x 12	67.8 x 14	69.8 x 16	68.6 x 18	70.6 x 20	72.6 x 22	77.8 x 24
72.4 x 6	74.4 x 8	73.3 x 10	72.1 x 12	70.9 x 14	72.9 x 16	71.8 x 18	73.8 x 20	75.8 x 22	80.9 x 24
75.6 x 6	77.6 x 8	76.4 x 10	75.3 x 12	74.1 x 14	76.1 x 16	74.9 x 18	76.9 x 20	78.9 x 22	
78.8 x 6	80.8 x 8	79.6 x 10	78.4 x 12	77.3 x 14	79.3 x 16	78.1 x 18	80.1 x 20	82.1 x 22	
81.9 x 6		82.8 x 10	81.6 x 12	80.4 x 14	82.4 x 16	81.3 x 18	83.3 x 20		

DESCRIPTION

OVAL DUCT



HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS

TACK & SEAL ELBOW



NOTES:

- A. AVAILABLE SIZES 20X6 UP TO 24X80.
- B. STANDARD ELBOWS TO BE TACK & SEAL CONSTRUCTION.
- C. ALTERNATE CONSTRUCTION FULLY WELDED.
- D. COUPLING CONNECTION SMALL END.
- E. FLANGED CONNECTIONS PIPE SIZE.
- F. MITERED ELBOW WITH VANES AVAILABLE WITH TACK & SEAL, TWO PIECE CONSTRUCTION.
- G. 16" MINOR AND BELOW=4 GORE CONSTRUCTION
- H. 18" MINOR AND ABOVE=5 GORE CONSTRUCTION

DESCRIPTION

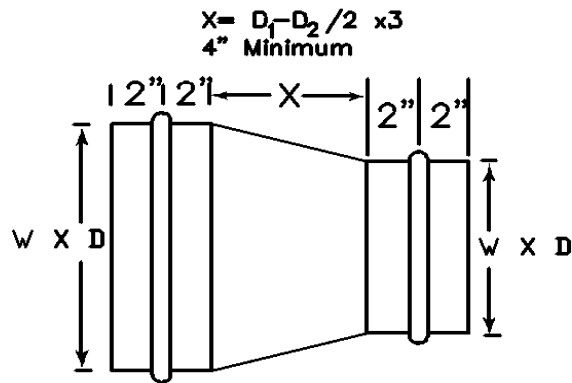
TACK & SEAL ELBOW



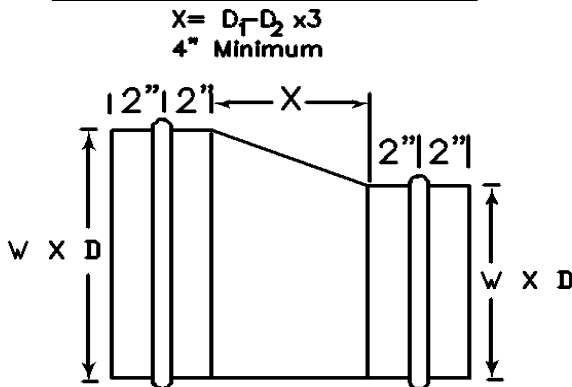
HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS

REDUCERS

CONCENTRIC REDUCER



ECCENTRIC REDUCER



NOTES:

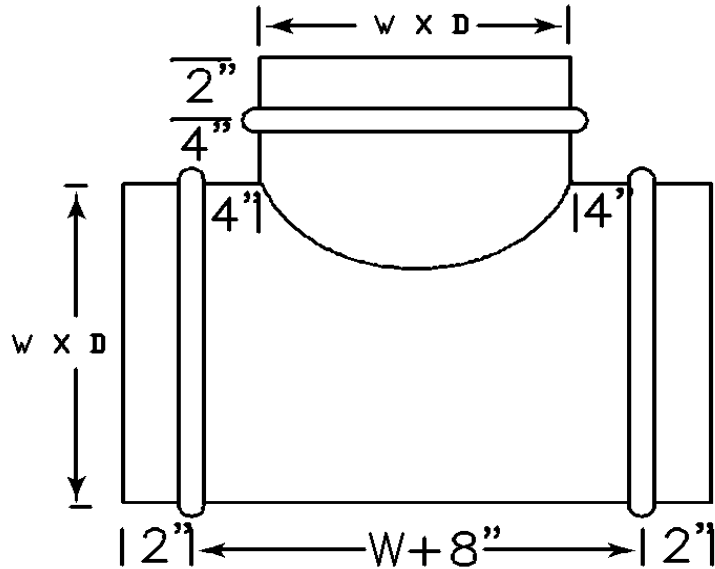
- A. TACK & SEAL CONSTRUCTION USED ON REDUCERS
- B. LONGITUDINAL SEAMS ARE ALL STITCH WELDED.
- C. COUPLING CONNECTION SMALL END.
- D. FLANGED CONNECTIONS PIPE SIZE.

DESCRIPTION
REDUCERS



HRANEC SHEET METAL INC SPIRAL MANUFACTURERS
--

TEES



NOTES:

- A. SEALED, TACK WELDED SEAMS USED ON TEES.
- B. LONGITUDINAL SEAMS ARE ALL STITCH WELDED.
- C. COUPLING CONNECTION SMALL END.
- D. FLANGED CONNECTIONS PIPE SIZE.
- E. METAL IS 22 GAUGE UNLESS SPECIFIED OTHERWISE.
- F. LATERAL & REDUCING TEE'S AVAILABLE.
- G. MITERED TEE WITH VANES AVAILABLE WITH TACK & SEAL, TWO PIECE CONSTRUCTION.

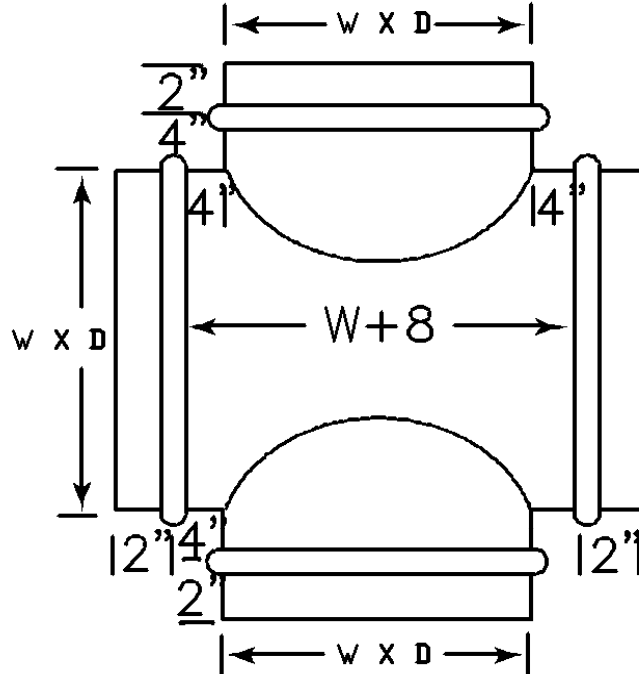
DESCRIPTION

TEE



HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS

CROSSES



NOTES:

- A. SEALED, TACK WELDED SEAMS USED ON CROSSES.
- B. LONGITUDINAL SEAMS ARE ALL STITCH WELDED.
- C. COUPLING CONNECTION SMALL END.
- D. FLANGED CONNECTIONS PIPE SIZE.
- E. METAL IS 22 GAUGE UNLESS SPECIFIED OTHERWISE.
- F. LATERAL & REDUCING CROSSES AVAILABLE.

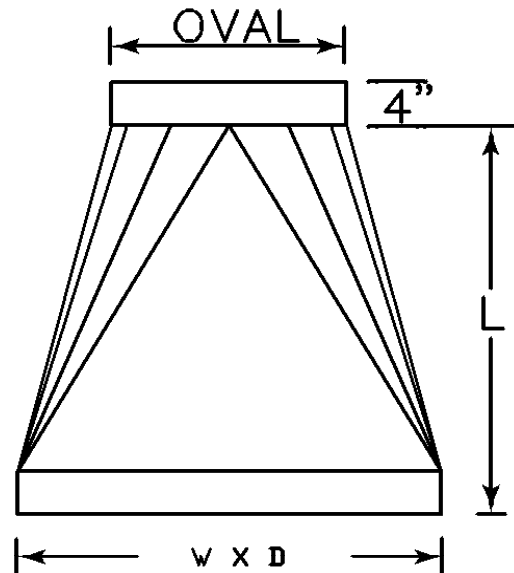
DESCRIPTION

CROSS



HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS

SQUARE to OVAL



NOTES:

- A. SEALED, TACK WELDED SEAMS USED ON SQUARE TO OVAL.
- B. LONGITUDINAL SEAMS ARE ALL STITCH WELDED.
- C. COUPLING CONNECTION SMALL END.
- D. FLANGED CONNECTIONS PIPE SIZE.
- E. FITTING CAN ALSO HAVE AN END TREATMENT AS A DUCT CONNECTION SUCH AS S&D OR DUCTMATE 35.
- F. FITTING CAN ALSO BE USED AS A REGISTER CONNECTION WITH A FLANGE IN OR OUT.

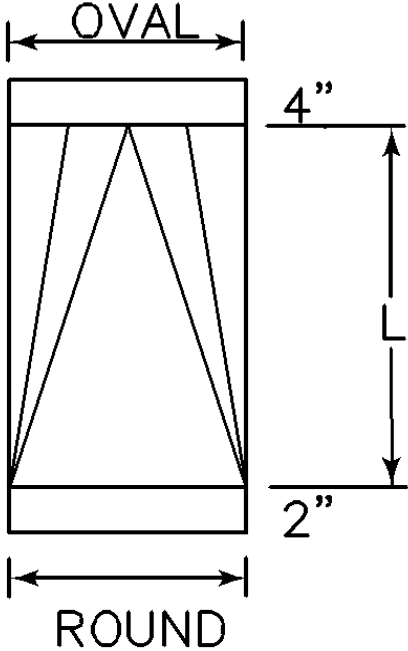
DESCRIPTION

SQUARE TO OVAL



HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS

ROUND to OVAL



NOTES:

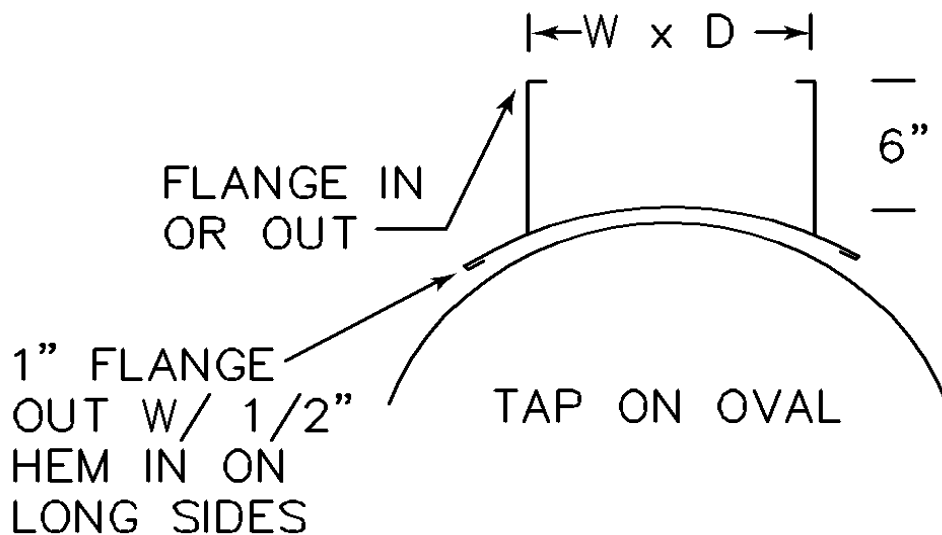
- A. SEALED, TACK WELDED SEAMS USED ON ROUND TO OVAL.
- B. LONGITUDINAL SEAMS ARE ALL STITCH WELDED.
- C. COUPLING CONNECTION SMALL END.
- D. FLANGED CONNECTIONS PIPE SIZE.

DESCRIPTION
ROUND TO OVAL



HRANEC SHEET METAL INC SPIRAL MANUFACTURERS
--

SQUARE END SADDLE TAP



NOTES:

- A. SEALED, SPOT WELDED SEAMS USED ON REGISTER BOXES.
- B. STANDARD CONNECTION FLANGE IN.
- C. ALTERNATE CONNECTION FLANGE OUT. IF FLANGE OUT IS USED, SCREW THREADS ARE EXPOSED.
- D. FLANGE IN, BODY IS FACE SIZE OF REGISTER
- E. FLANGE OUT, BODY IS NECK SIZE OF REGISTER
- F. FITTING CAN ALSO HAVE AN END TREATMENT AS A DUCT CONNECTION SUCH AS S&D, TDC, OR DUCTMATE 35..

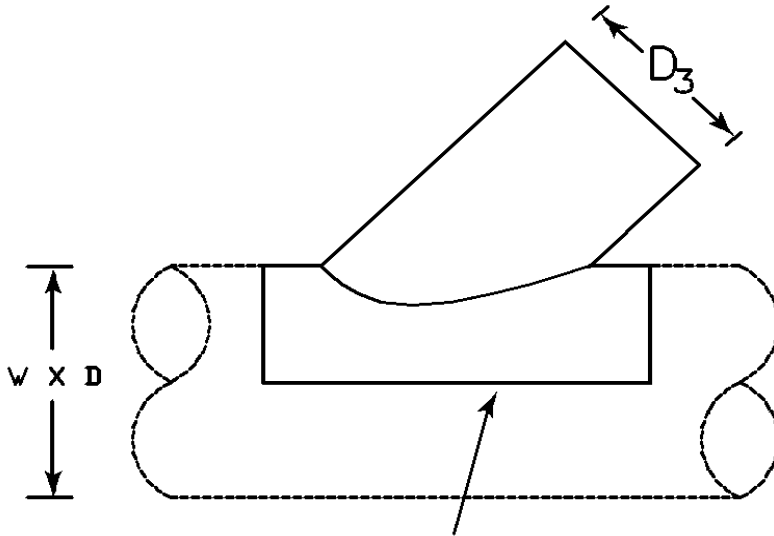
DESCRIPTION

SQUARE END SADDLE TAP



HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS

OVAL OR ROUND END
SADDLE TAP



2" PLATE WITH 1/2" HEM IN

NOTES:

- A. SEALED, STITCH WELDED SEAMS.
- B. COUPLING CONNECTION SMALL END.
- C. FLANGED CONNECTIONS PIPE SIZE.
- D. STANDARD 45° & 90° ANGLES. ALTERNATE ANGLES MAY BE AVAILABLE.
- E. CONICAL OR BELLMOUTH AVAILABLE.

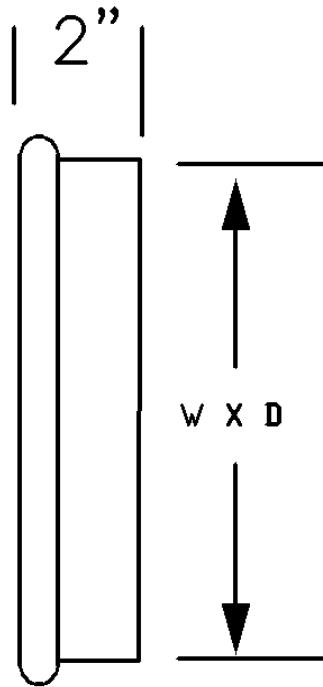
DESCRIPTION

OVAL or ROUND END
SADDLE TAP



HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS

END CAPS



- TACK & SEAL CONSTRUCTION

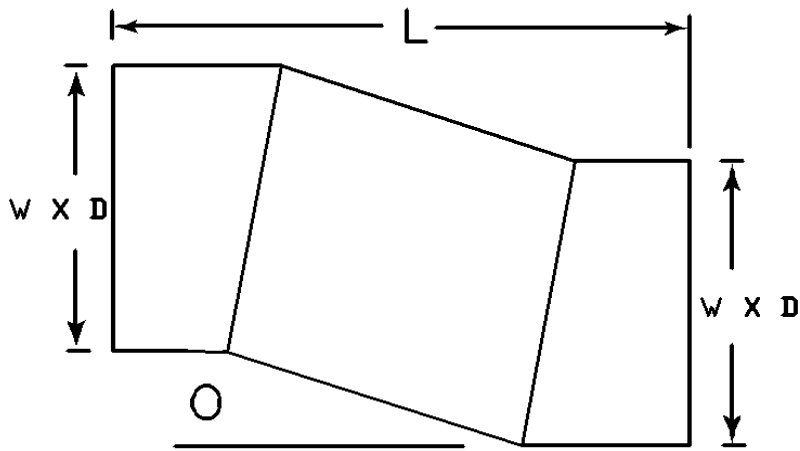
DESCRIPTION

END CAP



HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS

OFFSETS



NOTES:

- A. LENGTH TWO - THREE TIMES THE OFFSET
- B. TACK & SEAL CONSTRUCTION USED ON REDUCERS
- C. COUPLING CONNECTION SMALL END.
- D. FLANGED CONNECTIONS PIPE SIZE.

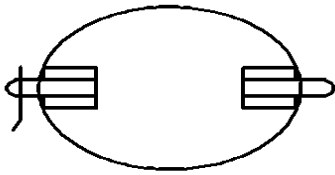
DESCRIPTION

OFFSET

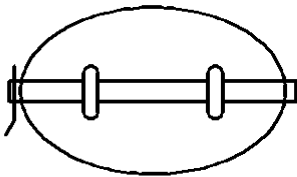


HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS

VOLUME DAMPERS



- FOR DAMPERS 40X20 AND SMALLER.
- HARDWARE IS HAMMERED TO DAMPER BLADE.
- RUBBER GROMMETS AVAILABLE FOR AIR-TIGHT SEAL



- FOR DAMPERS 40X20 AND LARGER.
- 1/2" BAR U-BOLTED TO DAMPER BLADE.
- RUBBER GROMMETS AVAILABLE FOR AIR-TIGHT SEAL

DESCRIPTION

VOLUME DAMPERS



HRANEC SHEET METAL INC
SPIRAL MANUFACTURERS