



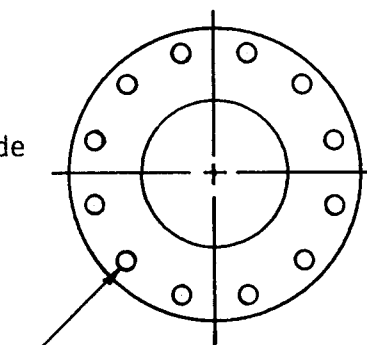
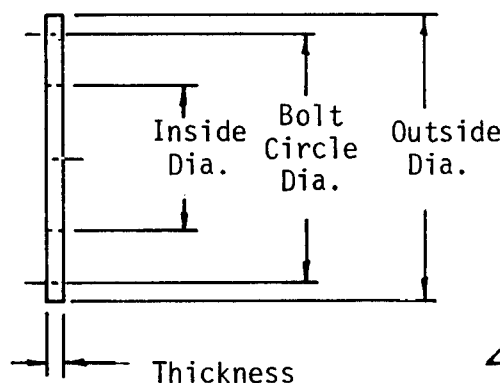
UNIVERSAL SILENCER

A DIVISION OF NELSON INDUSTRIES, INC.

STOUGHTON, WISCONSIN

SPECIFICATION STANDARDS
FOR 125/150# ANSI DRILLED
STEEL WELDING DOUBLE
REDUCING PLATE FLANGES

| | | | |
|-------------|---------|-------|---------|
| DRAWING NO. | | REV. | |
| 88-1138 | | | |
| DRAWN | DWO | CHECK | DW |
| DATE | 4-25-85 | DATE | 5-13-97 |



Number of Bolt Holes and Location (Straddle Center Lines)

| NOMINAL PIPE SIZE | PART NUMBER | OUTSIDE DIA. | INSIDE DIA. | THK. | NO. OF HOLES | SIZE OF HOLES | BOLT CIRCLE DIA. | WT. |
|-------------------|-------------|--------------|-------------|------|--------------|---------------|------------------|--------|
| 1-1/2 X 1 | 82-1032 | 5 | 1-3/8 | 3/8 | 4 | 5/8 | 3-7/8 | 2 |
| 2 X 1-1/4 | 82-1033 | 6 | 1-23/32 | 3/8 | 4 | 3/4 | 4-3/4 | 2-1/2 |
| 2-1/2 X 1-1/2 | 82-1034 | 7 | 1-31/32 | 3/8 | 4 | 3/4 | 5-1/2 | 3-1/2 |
| 3 X 2 | 82-1035 | 7-1/2 | 2-7/16 | 3/8 | 4 | 3/4 | 6 | 4 |
| 3-1/2 X 2-1/2 | 82-1036 | 8-1/2 | 2-15/16 | 3/8 | 8 | 3/4 | 7 | 5 |
| 4 X 3 | 82-1037 | 9 | 3-9/16 | 3/8 | 8 | 3/4 | 7-1/2 | 5-1/2 |
| 5 X 3-1/2 | 82-1038 | 10 | 4-1/16 | 3/8 | 8 | 7/8 | 8-1/2 | 6-1/2 |
| 6 X 4 | 82-1039 | 11 | 4-9/16 | 1/2 | 8 | 7/8 | 9-1/2 | 10-1/2 |
| 8 X 5 | 82-1040 | 13-1/2 | 5-5/8 | 1/2 | 8 | 7/8 | 11-3/4 | 16 |
| 10 X 6 | 82-1041 | 16 | 6-11/16 | 1/2 | 12 | 1 | 14-1/4 | 22 |
| 12 X 8 | 82-1042 | 19 | 8-3/4 | 1/2 | 12 | 1 | 17 | 30 |
| 14 X 10 | 82-1043 | 21 | 10-7/8 | 1/2 | 12 | 1-1/8 | 18-3/4 | 34 |
| 16 X 12 | 82-1044 | 23-1/2 | 12-7/8 | 1/2 | 16 | 1-1/8 | 21-1/4 | 41 |
| 18 X 14 | 82-1045 | 25 | 14-3/16 | 1/2 | 16 | 1-1/4 | 22-3/4 | 44 |
| 20 X 16 | 82-1046 | 27-1/2 | 16-3/16 | 1/2 | 20 | 1-1/4 | 25 | 52 |
| 22 X 18 | 82-1047 | 29-1/2 | 18-3/16 | 1/2 | 20 | 1-3/8 | 27-1/4 | 56 |
| 24 X 20 | 82-1048 | 32 | 20-3/16 | 1/2 | 20 | 1-3/8 | 29-1/2 | 64 |
| 26 X 22 | 82-1049 | 34-1/4 | 22-3/16 | 3/4 | 24 | 1-3/8 | 31-3/4 | 106 |
| 28 X 24 | 82-1050 | 36-1/2 | 24-3/16 | 3/4 | 28 | 1-3/8 | 34 | 116 |
| 30 X 26 | 82-1051 | 38-3/4 | 26-3/16 | 3/4 | 28 | 1-3/8 | 36 | 127 |
| 32 X 28 | 82-1052 | 41-3/4 | 28-3/16 | 1 | 28 | 1-5/8 | 38-1/2 | 195 |
| 34 X 30 | 82-1053 | 43-3/4 | 30-3/16 | 1 | 32 | 1-5/8 | 40-1/2 | 204 |
| 36 X 32 | 82-1054 | 46 | 32-3/16 | 1 | 32 | 1-5/8 | 42-3/4 | 222 |
| 38 X 34 | 82-1055 | 48-3/4 | 34-3/16 | 1 | 32 | 1-5/8 | 45-1/4 | 250 |