

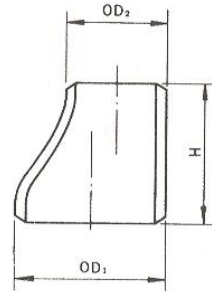
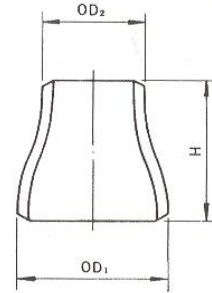
# Concentric and Eccentric Reducer

MSS SP 75  
ASME B16.9

Unit: mm

| Nominal Pipe Size NPS | Outside Diameter at Bevel |                           | End-to-End H |
|-----------------------|---------------------------|---------------------------|--------------|
|                       | Large End OD <sub>1</sub> | Small End OD <sub>2</sub> |              |
| 3/4" x 1/2"           | 26.7                      | 21.3                      | 38.1         |
| 3/8"                  |                           | 17.3                      |              |
| 1" x 3/4"             | 33.4                      | 26.7                      | 50.8         |
| 1/2"                  |                           | 21.3                      |              |
| 1.1/4" x 1"           | 42.2                      | 33.4                      | 50.8         |
| 3/4"                  |                           | 26.7                      |              |
| 1/2"                  |                           | 21.3                      |              |
| 1.1/2" x 1.1/4"       | 48.3                      | 42.2                      | 63.5         |
| 1"                    |                           | 33.4                      |              |
| 3/4"                  |                           | 26.7                      |              |
| 1/2"                  |                           | 21.3                      |              |
| 2" x 1.1/2"           | 60.3                      | 48.3                      | 76.2         |
| 1.1/4"                |                           | 42.2                      |              |
| 1"                    |                           | 33.4                      |              |
| 3/4"                  |                           | 26.7                      |              |
| 2.1/2" x 2"           | 73.0                      | 60.3                      | 88.9         |
| 1.1/2"                |                           | 48.3                      |              |
| 1.1/4"                |                           | 42.2                      |              |
| 1"                    |                           | 33.4                      |              |
| 3" x 2.1/2"           | 88.9                      | 73.0                      | 88.9         |
| 2"                    |                           | 60.3                      |              |
| 1.1/2"                |                           | 48.3                      |              |
| 1.1/4"                |                           | 42.2                      |              |
| 1"                    |                           | 33.4                      |              |
| 3.1/2" x 3"           | 101.6                     | 88.9                      | 101.6        |
| 2.1/2"                |                           | 73.0                      |              |
| 2"                    |                           | 60.3                      |              |
| 1.1/2"                |                           | 48.3                      |              |
| 1.1/4"                |                           | 42.2                      |              |
| 4" x 3.1/2"           | 114.3                     | 101.6                     | 101.6        |
| 3"                    |                           | 88.9                      |              |
| 2.1/2"                |                           | 73.0                      |              |
| 2"                    |                           | 60.3                      |              |
| 1.1/2"                |                           | 48.3                      |              |
| 5" x 4"               | 141.3                     | 114.3                     | 127.0        |
| 3.1/2"                |                           | 101.6                     |              |
| 3"                    |                           | 88.9                      |              |
| 2.1/2"                |                           | 73.0                      |              |
| 2"                    |                           | 60.3                      |              |
| 6" x 5"               | 168.3                     | 141.3                     | 139.7        |
| 4"                    |                           | 114.3                     |              |
| 3.1/2"                |                           | 101.6                     |              |
| 3"                    |                           | 88.9                      |              |
| 2.1/2"                |                           | 73.0                      |              |
| 8" x 6"               | 219.1                     | 168.3                     | 152.4        |
| 5"                    |                           | 141.3                     |              |
| 4"                    |                           | 114.3                     |              |
| 3.1/2"                |                           | 101.6                     |              |
| 10" x 8"              | 273.0                     | 219.1                     | 177.8        |
| 6"                    |                           | 168.3                     |              |
| 5"                    |                           | 141.3                     |              |
| 4"                    |                           | 114.3                     |              |
| 12" x 10"             | 323.8                     | 273.0                     | 203.2        |
| 8"                    |                           | 219.1                     |              |
| 6"                    |                           | 168.3                     |              |
| 5"                    |                           | 141.3                     |              |
| 14" x 12"             | 355.6                     | 323.8                     | 330.2        |
| 10"                   |                           | 273.0                     |              |
| 8"                    |                           | 219.1                     |              |
| 6"                    |                           | 168.3                     |              |

| Nominal Pipe Size NPS | Outside Diameter at Bevel |                           | End-to-End H |
|-----------------------|---------------------------|---------------------------|--------------|
|                       | Large End OD <sub>1</sub> | Small End OD <sub>2</sub> |              |
| 16" x 14"             | 406.4                     | 355.6                     | 355.6        |
| 12"                   |                           | 323.8                     |              |
| 10"                   |                           | 273.0                     |              |
| 8"                    |                           | 219.1                     |              |
| 18" x 16"             | 457.2                     | 406.4                     | 381.0        |
| 14"                   |                           | 355.6                     |              |
| 12"                   |                           | 323.8                     |              |
| 10"                   |                           | 273.0                     |              |
| 20" x 18"             | 508.0                     | 457.2                     | 508.0        |
| 16"                   |                           | 406.4                     |              |
| 14"                   |                           | 355.6                     |              |
| 12"                   |                           | 323.8                     |              |
| 22" x 20"             | 558.8                     | 508.0                     | 508.0        |
| 18"                   |                           | 457.2                     |              |
| 16"                   |                           | 406.4                     |              |
| 14"                   |                           | 355.6                     |              |
| 24" x 22"             | 609.6                     | 558.8                     | 508.0        |
| 20"                   |                           | 508.0                     |              |
| 18"                   |                           | 457.2                     |              |
| 16"                   |                           | 406.4                     |              |
| 26" x 24"             | 660.4                     | 609.6                     | 609.6        |
| 22"                   |                           | 558.8                     |              |
| 20"                   |                           | 508.0                     |              |
| 18"                   |                           | 457.2                     |              |
| 28" x 26"             | 711.2                     | 660.4                     | 609.6        |
| 24"                   |                           | 609.6                     |              |
| 20"                   |                           | 508.0                     |              |
| 18"                   |                           | 457.2                     |              |
| 30" x 28"             | 762.0                     | 711.2                     | 609.6        |
| 26"                   |                           | 660.4                     |              |
| 24"                   |                           | 609.6                     |              |
| 20"                   |                           | 508.0                     |              |
| 32" x 30"             | 812.8                     | 762.0                     | 609.6        |
| 28"                   |                           | 711.2                     |              |
| 26"                   |                           | 660.4                     |              |
| 24"                   |                           | 609.6                     |              |
| 34" x 32"             | 863.6                     | 812.8                     | 609.6        |
| 30"                   |                           | 762.0                     |              |
| 26"                   |                           | 660.4                     |              |
| 24"                   |                           | 609.6                     |              |
| 36" x 34"             | 914.4                     | 863.6                     | 609.6        |
| 32"                   |                           | 812.8                     |              |
| 30"                   |                           | 762.0                     |              |
| 26"                   |                           | 660.4                     |              |
| 24"                   |                           | 609.6                     |              |
| 38" x 36"             | 965.2                     | 914.4                     | 609.6        |
| 34"                   |                           | 863.6                     |              |
| 32"                   |                           | 812.8                     |              |
| 28"                   |                           | 711.2                     |              |
| 26"                   |                           | 660.4                     |              |
| 40" x 38"             | 1016.0                    | 965.2                     | 609.6        |
| 36"                   |                           | 914.4                     |              |
| 34"                   |                           | 863.6                     |              |
| 32"                   |                           | 812.8                     |              |
| 30"                   |                           | 762.0                     |              |
| 42" x 40"             | 1066.8                    | 1016.0                    | 609.6        |
| 38"                   |                           | 965.2                     |              |
| 36"                   |                           | 914.4                     |              |



| Nominal Pipe Size NPS | Outside Diameter at Bevel |                           | End-to-End H |
|-----------------------|---------------------------|---------------------------|--------------|
|                       | Large End OD <sub>1</sub> | Small End OD <sub>2</sub> |              |
| 42" x 34"             | 1066.8                    | 863.6                     | 609.6        |
| 32"                   |                           | 812.8                     |              |
| 30"                   |                           | 762.0                     |              |
| 44" x 42"             | 1117.6                    | 1066.8                    | 609.6        |
| 40"                   |                           | 1016.0                    |              |
| 38"                   |                           | 965.2                     |              |
| 36"                   |                           | 914.4                     |              |
| 46" x 44"             | 1168.4                    | 1117.6                    | 711.2        |
| 42"                   |                           | 1066.8                    |              |
| 40"                   |                           | 1016.0                    |              |
| 38"                   |                           | 965.2                     |              |
| 48" x 46"             | 1219.2                    | 1168.4                    | 711.2        |
| 44"                   |                           | 1117.6                    |              |
| 42"                   |                           | 1066.8                    |              |
| 40"                   |                           | 1016.0                    |              |
| 50" x 48"             | 1270                      | 1219                      | 711          |
| 46"                   |                           | 1168                      |              |
| 52" x 50"             | 1321                      | 1270                      | 711          |
| 48"                   |                           | 1219                      |              |
| 54" x 52"             | 1372                      | 1321                      | 711          |
| 50"                   |                           | 1270                      |              |
| 56" x 54"             | 1422                      | 1372                      | 813          |
| 52"                   |                           | 1321                      |              |
| 58" x 56"             | 1473                      | 1422                      | 813          |
| 54"                   |                           | 1372                      |              |
| 60" x 58"             | 1524                      | 1473                      | 813          |
| 56"                   |                           | 1422                      |              |
| 64" x 60"             | 1626                      | 1524                      | 813          |
| 58"                   |                           | 1473                      |              |
| 66" x 64"             | 1676                      | 1626                      | 813          |
| 60"                   |                           | 1524                      |              |
| 68" x 66"             | 1727                      | 1676                      | 813          |
| 64"                   |                           | 1626                      |              |
| 72" x 68"             | 1829                      | 1727                      | 864          |
| 66"                   |                           | 1676                      |              |
| 76" x 72"             | 1930                      | 1829                      | 864          |
| 68"                   |                           | 1727                      |              |
| 78" x 76"             | 1981                      | 1930                      | 864          |
| 72"                   |                           | 1829                      |              |
| 80" x 78"             | 2032                      | 1981                      | 864          |
| 76"                   |                           | 1930                      |              |
| 80"                   |                           | 2032                      |              |
| 76"                   |                           | 1981                      |              |