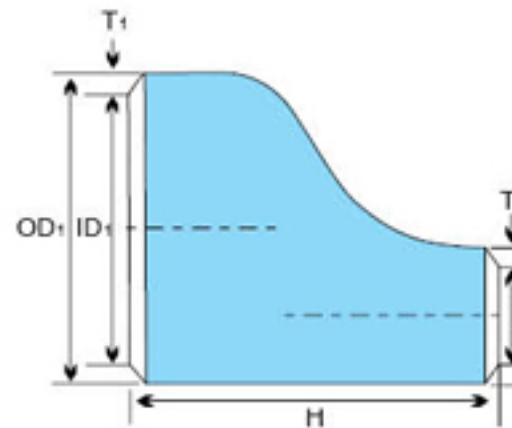


CONCENTRIC(I)



ECCENTRIC(I)

KS B1541 / KS B1543, JIS B2312 / JIS B2313

| Nominal Pipe Size | Outside Diameter |       | Wall Thickness T |      |         |                    |     |
|-------------------|------------------|-------|------------------|------|---------|--------------------|-----|
|                   |                  |       | Sch 5s           |      | Sch 10s |                    | S   |
|                   | OD1              | OD2   | T1               | T2   | T1      | T2                 | T1  |
| 25 x 20           | 34.0             | 27.2  | 1.65             | 1.65 | 2.8     | 2.1                | 3.0 |
| 25 x 15           | 34.0             | 21.7  | 1.65             | 1.65 | 2.8     | 2.1                | 3.0 |
| 32 x 25           | 42.7             | 34.0  | 1.65             | 1.65 | 2.8     | 2.8                | 3.0 |
| 32 x 20           | 42.7             | 27.2  | 1.65             | 1.65 | 2.8     | 2.1                | 3.0 |
| 40 x 32           | 48.6             | 42.7  | 1.65             | 1.65 | 2.8     | 2.8                | 3.0 |
| 40 x 25           | 48.6             | 34.0  | 1.65             | 1.65 | 2.8     | 2.8                | 3.0 |
| 40 x 20           | 48.6             | 37.2  | 1.65             | 1.65 | 2.8     | 2.1                | 3.0 |
| 50 x 40           | 60.5             | 48.6  | 1.65             | 1.65 | 2.8     | 2.8                | 3.5 |
| 50 x 32           | 60.5             | 42.7  | 1.65             | 1.65 | 2.8     | 2.8                | 3.5 |
| 50 x 25           | 60.5             | 34.0  | 1.65             | 1.65 | 2.8     | 2.8                | 3.5 |
| 65 x 50           | 76.3             | 60.5  | 2.10             | 1.65 | 3.0     | 2.8                | 3.5 |
| 65 x 40           | 76.3             | 48.6  | 2.10             | 1.65 | 3.0     | 2.8                | 3.5 |
| 65 x 32           | 76.3             | 42.7  | 2.10             | 1.65 | 3.0     | 2.8                | 3.5 |
| 80 x 65           | 89.1             | 76.3  | 2.10             | 2.10 | 3.0     | 3.0                | 4.0 |
| 80 x 50           | 89.1             | 60.5  | 2.10             | 1.65 | 3.0     | 2.8                | 4.0 |
| 80 x 40           | 89.1             | 48.6  | 2.10             | 1.65 | 3.0     | 2.8                | 4.0 |
| 90 x 80           | 101.6            | 39.1  | 2.10             | 2.10 | 3.0     | 3.0                | 4.0 |
| 90 x 65           | 101.6            | 76.3  | 2.10             | 2.10 | 3.0     | 3.0                | 4.0 |
| 90 x 50           | 101.6            | 60.5  | 2.10             | 1.65 | 3.0     | 2.8                | 4.0 |
| 100 x 90          | 114.3            | 101.6 | 2.10             | 2.10 | 3.0     | 3.0                | 4.0 |
| 100 x 80          | 114.3            | 89.1  | 2.10             | 2.10 | 3.0     | 3.0 <sup>2/3</sup> | 4.0 |
| 100 x 65          | 114.3            | 76.3  | 2.10             | 2.10 | 3.0     | 3.0                | 4.0 |
| 100 x 50          | 114.3            | 60.5  | 2.10             | 1.65 | 3.0     | 2.8                | 4.0 |

