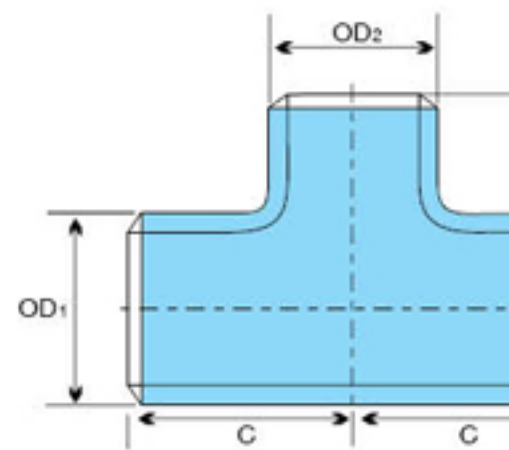


**STRAIGHT TEE**



**REDUCING TEE**

KS B1522/B1541/B1543, JIS B2311/B2312/B2313

| Nominal Pipe Size |    |    |       |       |       | Outside Diameter |      | Center To End |      | Nominal Pipe Size |       |       |       |       |       |
|-------------------|----|----|-------|-------|-------|------------------|------|---------------|------|-------------------|-------|-------|-------|-------|-------|
| A                 |    | B  |       |       |       | OD1              | OD2  | C             | M    |                   |       | B     |       |       |       |
| 15                | 15 | 15 | 1/2   | 1/2   | 1/2   | 21.7             | 21.7 | 25.4          | 25.4 | 90                | 90    | 90    | 3 1/2 | 3 1/2 | 3 1/2 |
| 20                | 20 | 20 | 3/4   | 3/4   | 3/4   | 27.2             | 27.2 | 28.6          | 28.6 |                   |       | 80    | 3 1/2 | 3 1/2 | 3     |
|                   |    | 15 | 3/4   | 3/4   | 1/2   | 27.2             | 21.7 | 28.6          | 28.6 |                   |       | 65    | 3 1/2 | 3 1/2 | 3 1/2 |
| 25                | 25 | 25 | 1     | 1     | 1     | 34.0             | 34.0 | 38.1          | 38.1 |                   |       | 50    | 3 1/2 | 3 1/2 | 2     |
|                   |    | 20 | 1     | 1     | 3/4   | 34.0             | 27.2 | 38.1          | 38.1 | 40                | 3 1/2 | 3 1/2 | 3 1/2 |       |       |
|                   |    | 15 | 1     | 1     | 1/2   | 34.0             | 21.7 | 38.1          | 38.1 |                   |       |       |       |       |       |
| 32                | 32 | 32 | 1 1/4 | 1 1/4 | 1 1/4 | 42.7             | 42.7 | 47.6          | 47.6 | 100               | 100   | 100   | 4     | 4     | 4     |
|                   |    | 25 | 1 1/4 | 1 1/4 | 1     | 42.7             | 34.0 | 47.6          | 47.6 |                   |       | 90    | 4     | 4     | 3 1/2 |
|                   |    | 20 | 1 1/4 | 1 1/4 | 3/4   | 42.7             | 27.2 | 47.6          | 47.6 |                   |       | 80    | 4     | 4     | 3     |
|                   |    | 15 | 1 1/4 | 1 1/4 | 1/2   | 42.7             | 21.7 | 47.6          | 47.6 |                   |       | 65    | 4     | 4     | 2 1/2 |
|                   |    | 40 | 1 1/2 | 1 1/2 | 1 1/2 | 48.6             | 48.6 | 57.2          | 57.2 |                   |       | 50    | 4     | 4     | 2     |
| 40                | 40 | 40 | 1 1/2 | 1 1/2 | 1 1/4 | 48.6             | 42.7 | 57.2          | 57.2 | 125               | 125   | 125   | 5     | 5     | 5     |
|                   |    | 25 | 1 1/2 | 1 1/2 | 1     | 48.6             | 34.0 | 57.2          | 57.2 |                   |       | 100   | 5     | 5     | 4     |
|                   |    | 20 | 1 1/2 | 1 1/2 | 3/4   | 48.6             | 27.2 | 57.2          | 57.2 |                   |       | 90    | 5     | 5     | 3 1/2 |
|                   |    | 15 | 1 1/2 | 1 1/2 | 1/2   | 48.6             | 21.7 | 57.2          | 57.2 |                   |       | 80    | 5     | 5     | 3     |
| 50                | 50 | 50 | 2     | 2     | 2     | 60.5             | 60.5 | 63.5          | 63.5 |                   |       | 65    | 5     | 5     | 2 1/2 |
|                   |    | 40 | 2     | 2     | 1 1/2 | 60.5             | 48.6 | 63.5          | 60.3 | 50                | 5     | 5     | 2     |       |       |
|                   |    | 32 | 2     | 2     | 1 1/4 | 60.5             | 42.7 | 63.5          | 57.2 |                   |       |       |       |       |       |
|                   |    | 25 | 2     | 2     | 1     | 60.5             | 34.0 | 63.5          | 50.8 |                   |       | 150   | 6     | 6     | 6     |
|                   |    | 20 | 2     | 2     | 3/4   | 60.5             | 27.2 | 63.5          | 44.5 |                   |       | 125   | 6     | 6     | 6     |

1□□|□□2□□|□□3