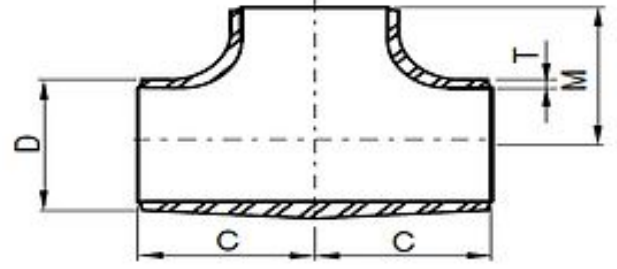


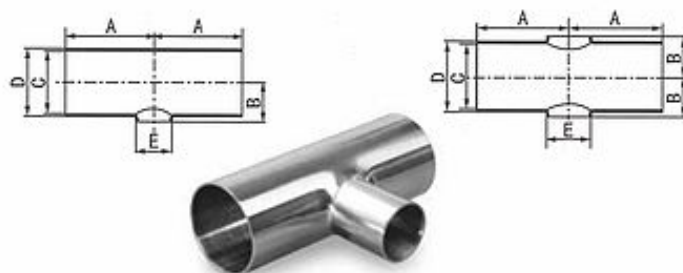
■ **DİKİŞLİ VE DİKİŞSİZ EŞİT TEE**  
 ■ **WELDED -SEAMLESS Equal TEE**

Standartlar / Standards: ASTM 403 ANSI B 16.9



| Dış Çap<br>Nominal Pipe Size | D      | Et Kalınlık-Wall<br>Thickness<br>SCH10s | Et Kalınlık-Wall<br>Thickness<br>SCH40s | Et Kalınlık-Wall<br>Thickness<br>SCH80s | Ağırlık /Weight<br>(Kg) SCH10 | Ağırlık /Weight<br>(Kg) SCH40 | Ağırlık /Weight<br>(Kg) SCH80 |
|------------------------------|--------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 1/2"                         | 21,30  | 2,11                                    | 2,77                                    | 3,73                                    | 0.070                         | 0.080                         | 0.110                         |
| 3/4"                         | 26,90  | 2,11                                    | 2,87                                    | 3,91                                    | 0.090                         | 0.110                         | 0.160                         |
| 1"                           | 33.40  | 2,77                                    | 3,38                                    | 4,55                                    | 0.200                         | 0.240                         | 0.320                         |
| 1 1/4"                       | 42.4   | 2,77                                    | 3,56                                    | 4,85                                    | 0.330                         | 0.410                         | 0.540                         |
| 1 1/2"                       | 48.26  | 2,77                                    | 3,68                                    | 5,08                                    | 0.460                         | 0.600                         | 0.800                         |
| 2"                           | 60.30  | 2,77                                    | 3,91                                    | 5,54                                    | 0.630                         | 0.870                         | 1.200                         |
| 2 1/2"                       | 73.03  | 3,05                                    | 5,16                                    | 7,01                                    | 1.010                         | 1.660                         | 2.190                         |
| 3"                           | 88.90  | 3,05                                    | 5,49                                    | 7,62                                    | 1.370                         | 1.900                         | 3.250                         |
| 4"                           | 114.30 | 3,05                                    | 6,02                                    | 8,56                                    | 2.150                         | 4.130                         | 5.740                         |
| 5"                           | 141.30 | 3,4                                     | 6,55                                    | 9,53                                    | 3.480                         | 6.550                         | 9.310                         |
| 6"                           | 168.30 | 3,4                                     | 7,11                                    | 10,97                                   | 4.760                         | 9.750                         | Ara.80                        |
| 8"                           | 219.10 | 3,76                                    | 8,18                                    | 12,70                                   | 8.460                         | 18.00                         | 27.40                         |
| 10"                          | 273.00 | 4,19                                    | 9,27                                    | 12,70                                   | 14.20                         | 30.80                         | 41.70                         |
| 12"                          | 323.90 | 4,78                                    | 9,53                                    | 12,70                                   | 21.60                         | 44.20                         | 58.40                         |
| 14"                          | 355,60 | 4,78                                    | 9,53                                    | 12,70                                   | 27.30                         | 53.70                         | 70.90                         |
| 16"                          | 406,40 | 4,78                                    | 9,53                                    | 12,70                                   | 33.60                         | 66.30                         | 87.70                         |

■ DIN RED.TEE  
■ DIN REDUCER TEE

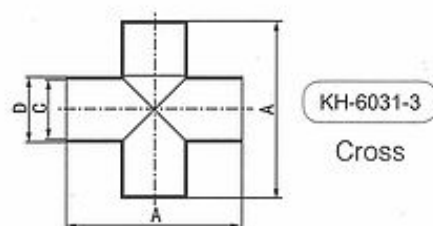


| DN      | A     | B    | C   | D   | E   |
|---------|-------|------|-----|-----|-----|
| 20/15   | 40    | 12   | 20  | 23  | 16  |
| 25/15   | 50    | 16   | 26  | 29  | 16  |
| 25/20   | 50    | 16   | 32  | 29  | 20  |
| 32/15   | 55    | 20   | 32  | 35  | 16  |
| 32/20   | 55    | 20   | 32  | 35  | 20  |
| 32/25   | 55    | 20   | 32  | 35  | 26  |
| 40/15   | 60    | 23   | 38  | 41  | 16  |
| 40/20   | 60    | 23   | 38  | 41  | 20  |
| 40/25   | 60    | 23   | 38  | 41  | 26  |
| 40/32   | 60    | 23   | 38  | 41  | 32  |
| 50/15   | 70    | 29   | 50  | 53  | 16  |
| 50/20   | 70    | 29   | 50  | 53  | 20  |
| 50/25   | 70    | 29   | 50  | 53  | 26  |
| 50/32   | 70    | 29   | 50  | 53  | 32  |
| 50/40   | 70    | 29   | 50  | 53  | 38  |
| 65/15   | 80    | 39   | 66  | 70  | 16  |
| 65/20   | 80    | 39   | 66  | 70  | 20  |
| 65/25   | 80    | 39   | 66  | 70  | 26  |
| 65/32   | 80    | 39   | 66  | 70  | 32  |
| 65/40   | 80    | 39   | 66  | 70  | 38  |
| 65/50   | 80    | 39   | 66  | 70  | 50  |
| 80/20   | 90    | 47   | 81  | 85  | 20  |
| 80/25   | 90    | 47   | 81  | 85  | 26  |
| 80/32   | 90    | 47   | 81  | 85  | 32  |
| 80/40   | 90    | 47   | 81  | 85  | 38  |
| 80/50   | 90    | 47   | 81  | 85  | 50  |
| 80/65   | 90    | 47   | 81  | 85  | 66  |
| 100/25  | 100   | 57   | 100 | 104 | 26  |
| 100/32  | 100   | 57   | 100 | 104 | 32  |
| 100/40  | 100   | 57   | 100 | 104 | 38  |
| 100/50  | 100   | 57   | 100 | 104 | 50  |
| 100/65  | 100   | 58   | 100 | 104 | 66  |
| 100/80  | 100   | 58   | 100 | 104 | 81  |
| 125/25  | 187.5 | 71.5 | 125 | 129 | 26  |
| 125/32  | 187.5 | 71.5 | 125 | 129 | 32  |
| 125/40  | 187.5 | 71.5 | 125 | 129 | 38  |
| 125/50  | 187.5 | 71.5 | 125 | 129 | 50  |
| 125/65  | 187.5 | 71.5 | 125 | 129 | 66  |
| 125/80  | 187.5 | 71.5 | 125 | 129 | 81  |
| 125/100 | 187.5 | 71.5 | 125 | 129 | 100 |
| 150/40  | 225   | 87   | 150 | 154 | 38  |
| 150/50  | 225   | 87   | 150 | 154 | 50  |
| 150/65  | 225   | 87   | 150 | 154 | 66  |
| 150/80  | 225   | 87   | 150 | 154 | 81  |
| 150/100 | 225   | 87   | 150 | 154 | 100 |
| 150/125 | 225   | 87   | 150 | 154 | 125 |

■ DIN KURUVA TEE  
■ DIN WELDED CROSS

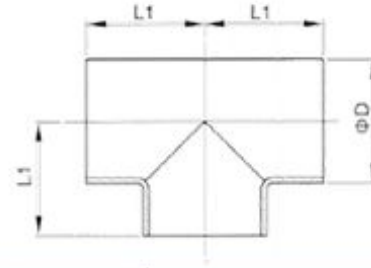


| DN  | A     | B    | C   | D   | E |
|-----|-------|------|-----|-----|---|
| 10  | 26    | -    | 10  | 13  |   |
| 15  | 35    | -    | 16  | 19  |   |
| 20  | 40    | -    | 20  | 23  |   |
| 25  | 50    | 15.5 | 26  | 29  |   |
| 32  | 55    | 19.5 | 32  | 35  |   |
| 40  | 60    | 23   | 38  | 41  |   |
| 50  | 70    | 29.5 | 50  | 53  |   |
| 65  | 80    | 39.5 | 66  | 70  |   |
| 80  | 90    | 47.5 | 81  | 85  |   |
| 100 | 100   | 59   | 100 | 104 |   |
| 125 | 187.5 |      | 125 | 129 |   |
| 150 | 225   |      | 150 | 154 |   |
| 200 | 300   |      | 200 | 204 |   |



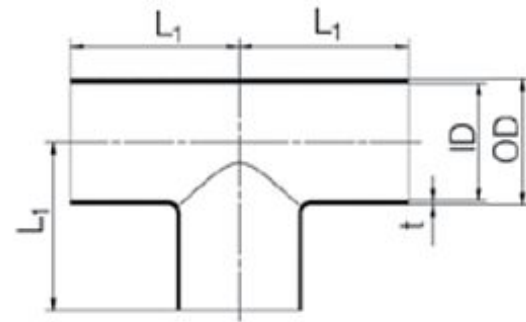
| DN  | A   | B | C   | D   | E |
|-----|-----|---|-----|-----|---|
| 10  | 52  |   | 10  | 13  |   |
| 15  | 70  |   | 16  | 19  |   |
| 20  | 80  |   | 20  | 23  |   |
| 25  | 100 |   | 26  | 29  |   |
| 32  | 110 |   | 32  | 35  |   |
| 40  | 120 |   | 38  | 41  |   |
| 50  | 140 |   | 50  | 53  |   |
| 65  | 160 |   | 66  | 70  |   |
| 80  | 180 |   | 81  | 85  |   |
| 100 | 200 |   | 100 | 104 |   |
| 125 | 375 |   | 125 | 129 |   |
| 150 | 450 |   | 150 | 154 |   |
| 200 | 600 |   | 200 | 204 |   |

- DIN 11850 UZUN EŞİT TEE
- DIN 11850 LONG EQUAL TEE



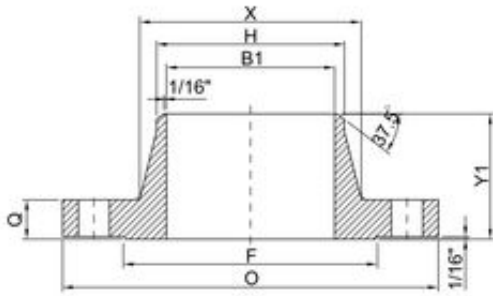
| Ölçü/Size | L1  | D   |
|-----------|-----|-----|
| DN10      | 26  | 12  |
| DN15      | 35  | 18  |
| DN20      | 40  | 22  |
| DN25      | 50  | 28  |
| DN32      | 55  | 34  |
| DN40      | 60  | 40  |
| DN50      | 70  | 52  |
| DN65      | 80  | 70  |
| DN80      | 90  | 85  |
| DN100     | 100 | 104 |
| DN125     | 187 | 129 |
| DN150     | 225 | 154 |

- ISO 2037 UZUN EŞİT TEE
- ISO 2037 LONG EQUAL TEE

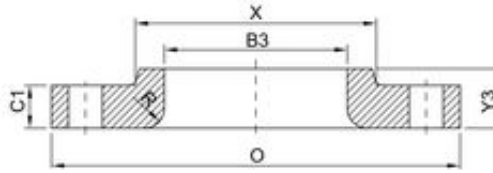


| Ölçü/Size<br>(inch) | Ebat/Dimensions |                                                           |     |
|---------------------|-----------------|-----------------------------------------------------------|-----|
| mm                  | (OD)/(ID) x t   | (OD <sub>2</sub> )/(ID <sub>2</sub> )<br>x t <sub>2</sub> | L1  |
| 25                  | 25/22.6 x 1.2   |                                                           | 55  |
| 38                  | 38/35.6x1.2     |                                                           | 70  |
| 51                  | 51/48.6x1.2     |                                                           | 82  |
| 63.5                | 63.5/60.3x1.6   |                                                           | 105 |
| 76.1                | 76.1/72.1x2.0   |                                                           | 110 |
| 101.6               | 101.6/97.6x2.0  |                                                           | 150 |

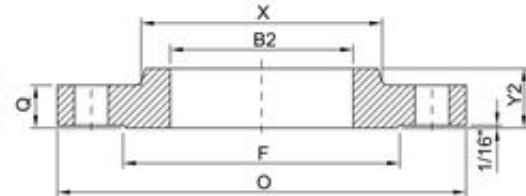
■ 150 LB ANSI B16.5 FLANŞLAR  
■ CLAS 150 ANSI B16.5 FLANGES



KAYNAK BOYUNLU/WELDING NECK



LAP-JOINT



SLIP-ON

| Kaynak Boyunlu/Welding Neck        |                                         |                                |                                                   | Lap Joint                                     |                                                                |                                                                               | Slip-on                                                         |              |                                       |                                                                                     |              |
|------------------------------------|-----------------------------------------|--------------------------------|---------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------|---------------------------------------|-------------------------------------------------------------------------------------|--------------|
| Boru Çapı/<br>Nominal<br>Pipe Size | Dış Çap/<br>Outside<br>Diameter<br>(mm) | Kalınlık/<br>Thickness<br>(mm) | Kalınlık/<br>Thickness<br>of Lap<br>Joint<br>(mm) | Fatura<br>Çapı/<br>Raised<br>Face<br>Diameter | Dönüş<br>Açısı/<br>Corner<br>Radius of<br>Bore of<br>Lap Joint | Boğaz Çapı/Bore                                                               |                                                                 |              | Boyun Uzunluğu/Length thru hub        |                                                                                     |              |
|                                    |                                         |                                |                                                   |                                               |                                                                | Kaynak<br>Boyunlu/<br>Soket<br>Kaynaklı-<br>Welding<br>Neck/Socket<br>Welding | Slip-On/<br>Soket<br>Kaynaklı-<br>Slip-On/<br>Socket<br>Welding | Lap<br>Joint | Kaynak<br>Boyunlu/<br>Welding<br>Neck | Slip-On/<br>Dişli/ Soket<br>Kaynaklı-<br>Slip-On/<br>Threaded/<br>Socket<br>Welding | Lap<br>Joint |
|                                    | O                                       | Q                              | C1                                                | F                                             | R                                                              | B1                                                                            | B2                                                              | B3           | Y1                                    | Y2                                                                                  | Y3           |
| 1/2                                | 90                                      | 9.6                            | 11.2                                              | 34.9                                          | 3.0                                                            | 15.8                                                                          | 22.2                                                            | 22.9         | 46.0                                  | 14.0                                                                                | 16.0         |
| 3/4                                | 100                                     | 11.2                           | 12.7                                              | 42.9                                          | 3.0                                                            | 20.9                                                                          | 27.7                                                            | 28.2         | 51.0                                  | 14.0                                                                                | 16.0         |
| 1                                  | 110                                     | 12.7                           | 14.3                                              | 50.8                                          | 3.0                                                            | 26.6                                                                          | 34.5                                                            | 34.9         | 54.0                                  | 16.0                                                                                | 17.0         |
| 1 1/4                              | 115                                     | 14.3                           | 15.9                                              | 63.5                                          | 5.0                                                            | 35.1                                                                          | 43.2                                                            | 43.7         | 56.0                                  | 19.0                                                                                | 21.0         |
| 1 1/2                              | 125                                     | 15.9                           | 17.5                                              | 73.0                                          | 6.0                                                            | 40.9                                                                          | 49.5                                                            | 50.0         | 60.0                                  | 21.0                                                                                | 22.0         |
| 2                                  | 150                                     | 17.5                           | 19.1                                              | 92.1                                          | 8.0                                                            | 52.5                                                                          | 61.9                                                            | 62.5         | 62.0                                  | 24.0                                                                                | 25.0         |
| 2 1/2                              | 180                                     | 20.7                           | 22.3                                              | 104.8                                         | 8.0                                                            | 62.7                                                                          | 74.6                                                            | 75.4         | 68.0                                  | 27.0                                                                                | 29.0         |
| 3                                  | 190                                     | 22.3                           | 23.9                                              | 127.0                                         | 10.0                                                           | 77.9                                                                          | 90.7                                                            | 91.4         | 68.0                                  | 29.0                                                                                | 30.0         |
| 4                                  | 230                                     | 22.3                           | 23.9                                              | 157.2                                         | 11.0                                                           | 102.3                                                                         | 116.1                                                           | 116.8        | 75.0                                  | 32.0                                                                                | 33.0         |
| 5                                  | 255                                     | 22.3                           | 23.9                                              | 185.7                                         | 11.0                                                           | 128.2                                                                         | 143.8                                                           | 144.4        | 87.0                                  | 35.0                                                                                | 36.0         |
| 6                                  | 280                                     | 23.9                           | 25.4                                              | 215.9                                         | 13.0                                                           | 154.1                                                                         | 170.7                                                           | 171.4        | 87.0                                  | 38.0                                                                                | 40.0         |
| 8                                  | 345                                     | 27.0                           | 28.6                                              | 269.9                                         | 13.0                                                           | 202.7                                                                         | 221.5                                                           | 222.2        | 100.0                                 | 43.0                                                                                | 44.0         |
| 10                                 | 405                                     | 28.6                           | 30.2                                              | 323.8                                         | 13.0                                                           | 254.6                                                                         | 276.2                                                           | 277.4        | 100.0                                 | 48.0                                                                                | 49.0         |
| 12                                 | 485                                     | 30.2                           | 31.8                                              | 381.0                                         | 13.0                                                           | 304.8                                                                         | 327.0                                                           | 328.2        | 113.0                                 | 54.0                                                                                | 56.0         |
| 14                                 | 535                                     | 33.4                           | 35.0                                              | 412.8                                         | 13.0                                                           |                                                                               | 359.2                                                           | 360.2        | 125.0                                 | 56.0                                                                                | 79.0         |
| 16                                 | 595                                     | 35.0                           | 36.6                                              | 469.9                                         | 13.0                                                           |                                                                               | 410.5                                                           | 411.2        | 125.0                                 | 62.0                                                                                | 87.0         |
| 18                                 | 635                                     | 38.1                           | 39.7                                              | 533.4                                         | 13.0                                                           |                                                                               | 461.8                                                           | 462.3        | 138.0                                 | 67.0                                                                                | 97.0         |
| 20                                 | 700                                     | 41.3                           | 42.9                                              | 584.2                                         | 13.0                                                           |                                                                               | 513.1                                                           | 514.4        | 143.0                                 | 71.0                                                                                | 103.0        |
| 24                                 | 815                                     | 46.1                           | 47.7                                              | 692.2                                         | 13.0                                                           |                                                                               | 616.0                                                           | 616.0        | 151.0                                 | 81.0                                                                                | 111.0        |