

Drilling by table

BS10 Table D

| ID | OD | HOLES | DIA | PCD | THICK |
|--------|---------|-------|--------|---------|--------|
| 1" | 4.1/2" | 4 | 9/16" | 3.1/4" | 9/32" |
| 1.1/4" | 4.3/4" | 4 | 9/16" | 3.7/16" | 5/16" |
| 1.1/2" | 5.1/4" | 4 | 9/16" | 3.7/8" | 11/32" |
| 2" | 6" | 4 | 11/16" | 4.1/2" | 3/8" |
| 2.1/2" | 6.1/2" | 4 | 11/16" | 5" | 13/32" |
| 3" | 7.1/4" | 4 | 11/16" | 5.3/4" | 11/16" |
| 4" | 8.1/2" | 4 | 11/16" | 7" | 1/2" |
| 5" | 10" | 8 | 11/16" | 8.1/4" | 9/16" |
| 6" | 11" | 8 | 11/16" | 9.1/4" | 11/16" |
| 8" | 13.1/4" | 8 | 11/16" | 11.1/2" | 3/4" |
| 10" | 16" | 8 | 7/8" | 14" | 3/4" |
| 12" | 18" | 12 | 7/8" | 16" | 7/8" |
| 14" | 20.3/4" | 12 | 1" | 18.1/2" | 1.1/8" |
| 16" | 21.3/4" | 12 | 1" | 19.1/2" | 1.1/4" |
| 18" | 24" | 12 | 1" | 21.3/4" | 1.3/8" |
| 20" | 26.1/2" | 12 | 1" | 24" | 1.1/2" |
| 24" | 31" | 16 | 1.1/8" | 28.1/2" | 1.3/4" |

BS10 Table H

| ID | OD | HOLES | DIA | PCD | THICK |
|--------|---------|-------|--------|---------|--------|
| 1" | 4.3/4" | 4 | 5/8" | 3.7/16" | 1/2" |
| 1.1/4" | 5.1/4" | 4 | 5/8" | 3.7/8" | 11/16" |
| 1.1/2" | 5.1/2" | 4 | 5/8" | 4.1/8" | 11/16" |
| 2" | 6.1/2" | 4 | 5/8" | 5" | 3/4" |
| 2.1/2" | 7.1/4" | 8 | 5/8" | 5.3/4" | 3/4" |
| 3" | 8" | 8 | 5/8" | 6.1/2" | 7/8" |
| 4" | 9" | 8 | 5/8" | 7.1/2" | 1" |
| 5" | 11" | 8 | 3/4" | 9.1/4" | 1.1/8" |
| 6" | 12" | 12 | 3/4" | 10.1/4" | 1.1/8" |
| 8" | 14.1/2" | 12 | 3/4" | 12.3/4" | 1.1/2" |
| 10" | 17" | 12 | 7/8" | 15" | 1.3/8" |
| 12" | 19.1/4" | 16 | 7/8" | 17.1/4" | 1.5/8" |
| 14" | 21.3/4" | 16 | 1.1/8" | 19.1/2" | 1.5/8" |
| 16" | 21.3/4" | 16 | 1" | 21.3/4" | 2" |
| 18" | 26.1/2" | 20 | 1.1/8" | 24" | 2.1/4" |
| 20" | 29" | 20 | 1.1/4" | 26.1/2" | 2.1/2" |
| 24" | 33.1/2" | 24 | 1.1/4" | 30.3/4" | 3" |

BS10 Table E

| ID | OD | HOLES | DIA | PCD | THICK |
|--------|---------|-------|--------|---------|--------|
| 1" | 4.1/2" | 4 | 9/16" | 3.1/4" | 9/32" |
| 1.1/4" | 4.3/4" | 4 | 9/16" | 3.7/16" | 5/16" |
| 1.1/2" | 5.1/4" | 4 | 9/16" | 3.7/8" | 11/32" |
| 2" | 6" | 4 | 11/16" | 4.1/2" | 3/8" |
| 2.1/2" | 6.1/2" | 4 | 11/16" | 5" | 13/32" |
| 3" | 7.1/4" | 4 | 11/16" | 5.3/4" | 11/16" |
| 4" | 8.1/2" | 8 | 11/16" | 7" | 1/2" |
| 5" | 10" | 8 | 11/16" | 8.1/4" | 9/16" |
| 6" | 11" | 8 | 7/8" | 9.1/4" | 11/16" |
| 8" | 13.1/4" | 8 | 7/8" | 11.1/2" | 3/4" |
| 10" | 16" | 12 | 7/8" | 14" | 7/8" |
| 12" | 18" | 12 | 1" | 16" | 1" |
| 14" | 20.3/4" | 12 | 1" | 18.1/2" | 1.1/8" |
| 16" | 22.3/4" | 12 | 1" | 20" | 1.1/4" |
| 18" | 25.1/4" | 12 | 1" | 23" | 1.3/8" |
| 20" | 27.3/4" | 16 | 1" | 25.1/4" | 1.1/2" |
| 24" | 32.1/2" | 16 | 1.1/8" | 29.3/4" | 1.3/4" |

BS1560 Class 150

| ID | OD | HOLES | DIA | PCD | THICK |
|--------|---------|-------|--------|---------|----------|
| 1" | 4.1/4" | 4 | 5/8" | 3.1/8" | 9/16" |
| 1.1/4" | 4.5/8" | 4 | 5/8" | 3.1/2" | 5/8" |
| 1.1/2" | 5" | 4 | 5/8" | 3.7/8" | 11/16" |
| 2" | 6" | 4 | 3/4" | 4.3/4" | 3/4" |
| 2.1/2" | 7" | 4 | 3/4" | 5.1/2" | 7/8" |
| 3" | 7.1/2" | 4 | 3/4" | 6" | 15/16" |
| 4" | 9" | 8 | 3/4" | 7.1/2" | 15/16" |
| 5" | 10" | 8 | 7/8" | 8.1/2" | 15/16" |
| 6" | 11" | 8 | 7/8" | 9.1/2" | 1" |
| 8" | 13.1/2" | 8 | 7/8" | 11.3/4" | 1.1/8" |
| 10" | 16" | 12 | 7/8" | 14.1/4" | 1.3/16" |
| 12" | 19" | 12 | 7/8" | 17" | 1.1/4" |
| 14" | 21" | 12 | 1.1/8" | 18.3/4" | 1.3/8" |
| 16" | 23.1/2" | 16 | 1.1/8" | 21.1/4" | 1.7/8" |
| 18" | 25" | 16 | 1.1/8" | 22.3/4" | 1.9/16" |
| 20" | 27.1/2" | 20 | 1.1/4" | 25" | 1.11/16" |
| 24" | 32" | 20 | 1.3/8" | 29.1/2" | 1.7/8" |

BS10 Table F

| ID | OD | HOLE | DIA | PCD | THICK |
|--------|---------|------|--------|---------|--------|
| 1" | 4.3/4" | 4 | 5/8" | 3.7/16" | 3/8" |
| 1.1/4" | 5.1/4" | 4 | 11/16" | 3.7/8" | 1/2" |
| 1.1/2" | 5.1/2" | 4 | 11/16" | 4.1/8" | 1/2" |
| 2" | 6.1/2" | 4 | 11/16" | 5" | 5/8" |
| 2.1/2" | 7.1/4" | 8 | 11/16" | 5.3/4" | 5/8" |
| 3" | 8" | 8 | 11/16" | 6.1/2" | 5/8" |
| 4" | 9" | 8 | 11/16" | 7.1/2" | 3/4" |
| 5" | 11" | 8 | 7/8" | 9.1/4" | 7/8" |
| 6" | 12" | 12 | 7/8" | 10.1/4" | 7/8" |
| 8" | 14.1/2" | 12 | 7/8" | 12.3/4" | 1" |
| 10" | 17" | 12 | 1" | 15" | 1.1/8" |
| 12" | 19.1/4" | 16 | 1" | 17.1/4" | 1.1/4" |
| 14" | 21.3/4" | 16 | 1.1/8" | 19.1/2" | 1.3/8" |
| 16" | 24" | 16 | 1.1/8" | 21.3/4" | 1.1/2" |
| 18" | 26.1/2" | 20 | 1.1/8" | 24" | 1.3/8" |
| 20" | 29" | 20 | 1.1/4" | 26.1/2" | 1.3/4" |
| 24" | 33.1/2" | 24 | 1.3/8" | 30.3/4" | 2.1/4" |

BS1560 Class 300

| ID | OD | HOLES | DIA | PCD | THICK |
|--------|---------|-------|--------|---------|---------|
| 1" | 4.7/8" | 4 | 3/4" | 3.1/2" | 11/16" |
| 1.1/4" | 5.1/4" | 4 | 3/4" | 3.7/8" | 3/4" |
| 1.1/2" | 6.1/8" | 4 | 7/8" | 4.1/2" | 13/16" |
| 2" | 6.1/2" | 8 | 3/4" | 5" | 7/8" |
| 2.1/2" | 7.1/2" | 8 | 7/8" | 5.7/8" | 1" |
| 3" | 8.1/4" | 8 | 7/8" | 6.5/8" | 1.1/8" |
| 4" | 10" | 8 | 7/8" | 7.7/8" | 1.1/4" |
| 5" | 11" | 8 | 7/8" | 9.1/4" | 1.3/8" |
| 6" | 12.1/2" | 12 | 7/8" | 10.5/8" | 1.7/16" |
| 8" | 15" | 12 | 1" | 13" | 1.5/8" |
| 10" | 17.1/2" | 16 | 1.1/8" | 15.1/4" | 1.7/8" |
| 12" | 20.1/2" | 16 | 1.1/4" | 17.3/4" | 2" |
| 14" | 23" | 20 | 1.1/4" | 20.1/4" | 2.1/8" |
| 16" | 25.1/2" | 20 | 1.3/8" | 22.1/2" | 2.1/4" |
| 18" | 28" | 24 | 1.3/8" | 24.3/4" | 2.3/8" |
| 20" | 30.1/2" | 24 | 1.3/8" | 27" | 2.1/2" |
| 24" | 36" | 24 | 1.5/8" | 32" | 2.3/4" |

Drilling by table

BS4504 Table 6

| ID | OD | HOLES | DIA | PCD | THICK |
|--------|-------|-------|------|-------|-------|
| 1" | 100mm | 4 | 11mm | 75mm | 14mm |
| 1.1/4" | 120mm | 4 | 14mm | 90mm | 16mm |
| 1.1/2" | 130mm | 4 | 14mm | 100mm | 16mm |
| 2" | 140mm | 4 | 14mm | 110mm | 16mm |
| 2.1/2" | 160mm | 4 | 14mm | 130mm | 16mm |
| 3" | 190mm | 4 | 18mm | 150mm | 18mm |
| 4" | 210mm | 4 | 18mm | 170mm | 18mm |
| 5" | 240mm | 8 | 18mm | 200mm | 20mm |
| 6" | 265mm | 8 | 18mm | 225mm | 20mm |
| 8" | 320mm | 8 | 18mm | 280mm | 22mm |
| 10" | 375mm | 12 | 18mm | 335mm | 24mm |
| 12" | 440mm | 12 | 22mm | 395mm | 24mm |
| 14" | 490mm | 12 | 22mm | 445mm | 26mm |
| 16" | 540mm | 16 | 22mm | 495mm | 28mm |
| 18" | 595mm | 16 | 22mm | 550mm | 30mm |
| 20" | 645mm | 20 | 22mm | 600mm | 30mm |
| 24" | 755mm | 20 | 26mm | 705mm | 32mm |

BS4504 Table 25

| ID | OD | HOLES | DIA | PCD | THICK |
|--------|-------|-------|------|-------|-------|
| 1" | 115mm | 4 | 14mm | 85mm | 18mm |
| 1.1/4" | 140mm | 4 | 18mm | 100mm | 18mm |
| 1.1/2" | 150mm | 4 | 18mm | 110mm | 18mm |
| 2" | 165mm | 4 | 18mm | 125mm | 20mm |
| 2.1/2" | 185mm | 4 | 18mm | 145mm | 22mm |
| 3" | 200mm | 8 | 18mm | 160mm | 24mm |
| 4" | 235mm | 8 | 22mm | 190mm | 24mm |
| 5" | 270mm | 8 | 26mm | 220mm | 26mm |
| 6" | 300mm | 8 | 26mm | 250mm | 28mm |
| 8" | 360mm | 12 | 26mm | 310mm | 32mm |
| 10" | 425mm | 12 | 30mm | 370mm | 32mm |
| 12" | 485mm | 16 | 30mm | 430mm | 38mm |
| 14" | 555mm | 16 | 33mm | 490mm | 42mm |
| 16" | 620mm | 16 | 36mm | 550mm | 46mm |
| 18" | 670mm | 20 | 36mm | 600mm | 52mm |
| 20" | 730mm | 20 | 36mm | 650mm | 58mm |
| 24" | 845mm | 20 | 39mm | 770mm | 66mm |

BS4504 Table 10

| ID | OD | HOLES | DIA | PCD | THICK |
|--------|-------|-------|------|-------|-------|
| 1" | 115mm | 4 | 14mm | 85mm | 16mm |
| 1.1/4" | 140mm | 4 | 18mm | 100mm | 16mm |
| 1.1/2" | 150mm | 4 | 18mm | 110mm | 16mm |
| 2" | 165mm | 4 | 18mm | 125mm | 18mm |
| 2.1/2" | 185mm | 4 | 18mm | 145mm | 18mm |
| 3" | 200mm | 8 | 18mm | 160mm | 20mm |
| 4" | 220mm | 8 | 18mm | 180mm | 20mm |
| 5" | 250mm | 8 | 18mm | 210mm | 22mm |
| 6" | 285mm | 8 | 22mm | 240mm | 22mm |
| 8" | 340mm | 8 | 22mm | 295mm | 24mm |
| 10" | 395mm | 12 | 22mm | 350mm | 26mm |
| 12" | 445mm | 12 | 22mm | 400mm | 26mm |
| 14" | 505mm | 16 | 22mm | 460mm | 28mm |
| 16" | 565mm | 16 | 26mm | 515mm | 32mm |
| 18" | 615mm | 20 | 26mm | 565mm | 36mm |
| 20" | 670mm | 20 | 26mm | 620mm | 38mm |
| 24" | 780mm | 20 | 30mm | 725mm | 42mm |

BS4504 Table 16

| ID | OD | HOLES | DIA | PCD | THICK |
|--------|-------|-------|------|-------|-------|
| 1" | 115mm | 4 | 14mm | 85mm | 16mm |
| 1.1/4" | 140mm | 4 | 18mm | 100mm | 16mm |
| 1.1/2" | 150mm | 4 | 18mm | 110mm | 16mm |
| 2" | 165mm | 4 | 18mm | 125mm | 18mm |
| 2.1/2" | 185mm | 4 | 18mm | 145mm | 18mm |
| 3" | 200mm | 8 | 18mm | 160mm | 20mm |
| 4" | 220mm | 8 | 18mm | 180mm | 20mm |
| 5" | 250mm | 8 | 18mm | 210mm | 22mm |
| 6" | 285mm | 8 | 22mm | 240mm | 22mm |
| 8" | 340mm | 12 | 22mm | 295mm | 26mm |
| 10" | 405mm | 12 | 26mm | 355mm | 29mm |
| 12" | 460mm | 12 | 26mm | 410mm | 32mm |
| 14" | 520mm | 16 | 26mm | 470mm | 35mm |
| 16" | 580mm | 16 | 30mm | 525mm | 38mm |
| 18" | 640mm | 20 | 30mm | 585mm | 42mm |
| 20" | 715mm | 20 | 33mm | 650mm | 46mm |
| 24" | 850mm | 20 | 36mm | 770mm | 52mm |