

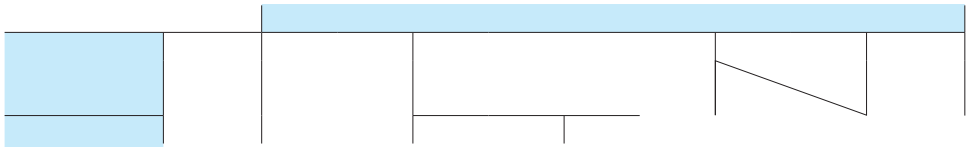
Unit :

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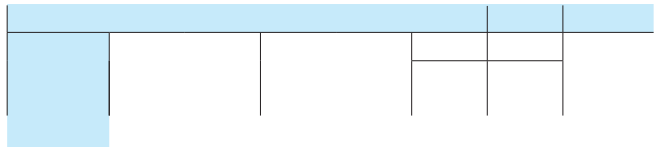
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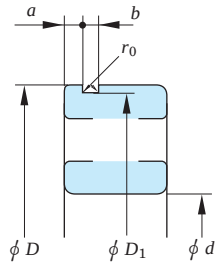
(1)

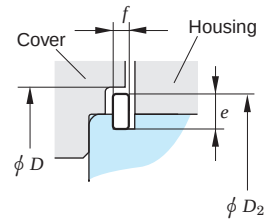


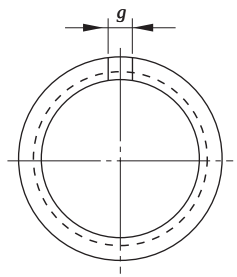


Unit :





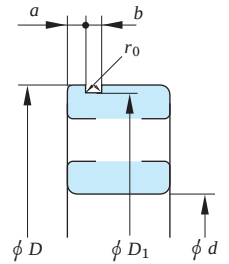



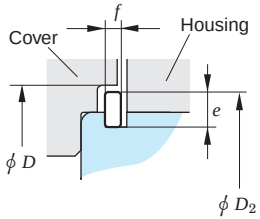



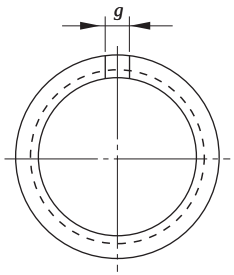
( ) – 0, , , – Unit :

| Diameter series 0 | Diameter series 2 | Diameter series 3 | Diameter series 4 | D | $D_1$ max. | $D_1$ min. | $a$ Diameter series 0 max. | $a$ Diameter series 0 min. | $a$ Diameter series 2, 3, 4 max. | $a$ Diameter series 2, 3, 4 min. | $b$ max. | $b$ min. | $r_0$ max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| – | **10** | **9** | **8** | **30** | 28.17 | 27.91 | – | – | 2.06 | 1.9 | 1.65 | 1.35 | 0.4 |
| **15** | **12** | – | **9** | **32** | 30.15 | 29.9 | 2.06 | 1.9 | 2.06 | 1.9 | 1.65 | 1.35 | 0.4 |
| **17** | **15** | **10** | – | **35** | 33.17 | 32.92 | 2.06 | 1.9 | 2.06 | 1.9 | 1.65 | 1.35 | 0.4 |
| – | – | **12** | **10** | **37** | 34.77 | 34.52 | – | – | 2.06 | 1.9 | 1.65 | 1.35 | 0.4 |
| – | **17** | – | – | **40** | 38.1 | 37.85 | – | – | 2.06 | 1.9 | 1.65 | 1.35 | 0.4 |
| **20** | – | **15** | **12** | **42** | | | | | | | | | |

| | $e$ max. | $e$ min. | $f$ max. | $f$ min. | $g$ max. | $D_2$ max. | $D$ max. |
|---|---|---|---|---|---|---|---|
| **30** | 3.25 | 3.1 | 1.12 | 1.02 | 3 | 34.7 | 35.5 |
| **32** | 3.25 | 3.1 | 1.12 | 1.02 | 3 | 36.7 | 37.5 |
| **35** | 3.25 | 3.1 | 1.12 | 1.02 | 3 | 39.7 | 40.5 |
| **37** | 3.25 | 3.1 | 1.12 | 1.02 | 3 | 41.3 | 42 |
| **40** | 3.25 | 3.1 | 1.12 | 1.02 | 3 | 44.6 | 45.5 |

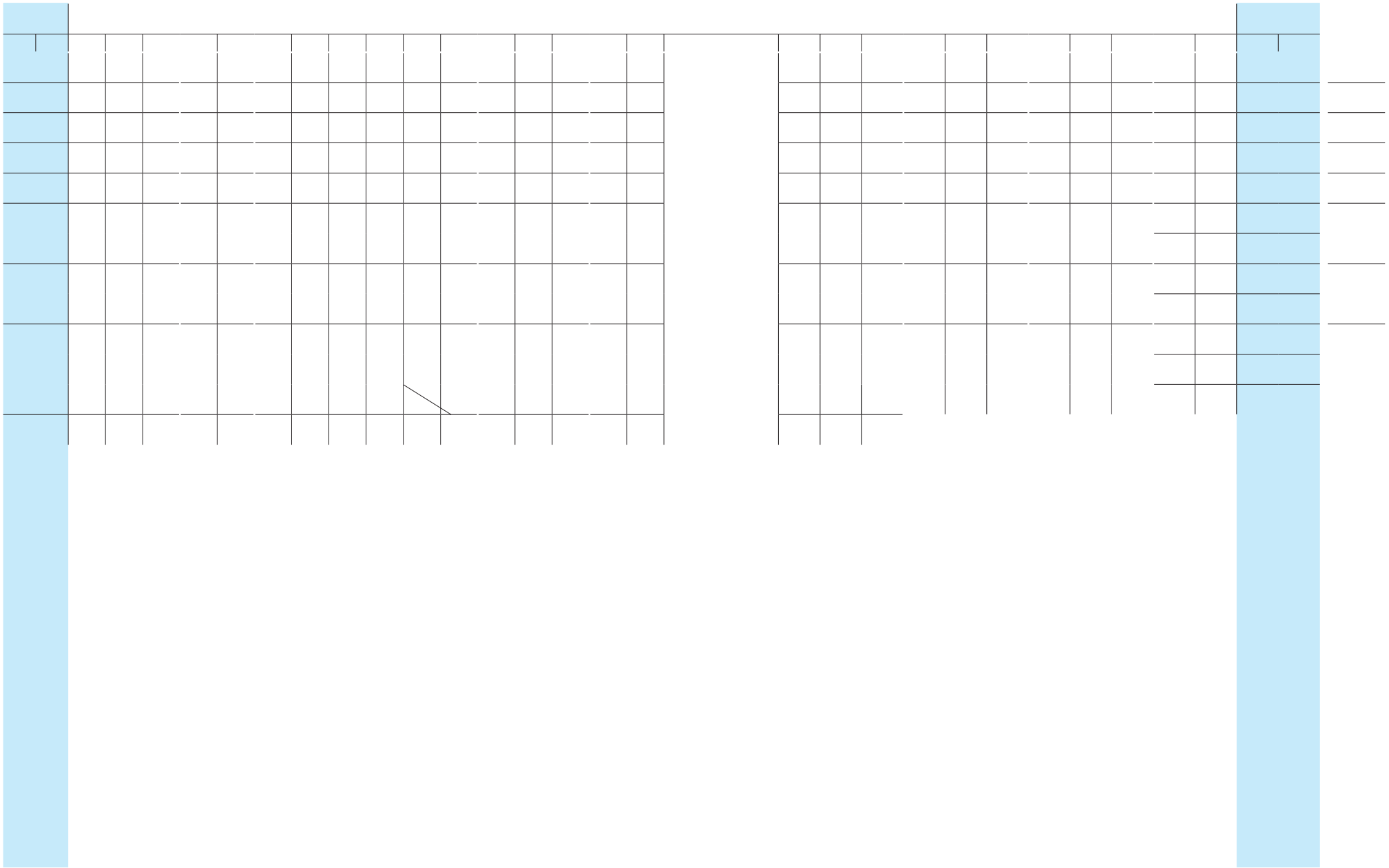


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Unit : μ (Refer.)



( )

Unit : μ

| ( ) al a. over | up to | E 6 | 6 | 7 | 6 | 7 | 6 | 7 | 8 | 9 | 10 | 5 | 6 | 7 | 6 | 7 | K 5 | K 6 | K 7 | M 5 | M 6 | M 7 | 5 | 6 | 7 | P 6 | P 7 | 7 | ( ) al a. over | up to | (Refer.) $\Delta_D$ 1) a (class 0) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 18 | + 43<br>+ 32 | + 27<br>+ 16 | + 34<br>+ 16 | +17<br>+ 6 | + 24<br>+ 6 | +11<br>0 | + 18<br>0 | + 27<br>0 | + 43<br>0 | + 70<br>0 | ± 4 | ± 5.5 | ± 9 | + 6<br>– 5 | +10<br>– 8 | + 2<br>– 6 | + 2<br>– 9 | + 6<br>– 12 | – 4<br>–12 | – 4<br>– 15 | 0<br>– 18 | – 9<br>– 17 | – 9<br>– 20 | – 5<br>– 23 | – 15<br>– 26 | – 11<br>– 29 | – 16<br>– 34 | | | |

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| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 25.4000 | 50.8000 | 76.2000 | 101.6000 | 127.0000 | 152.4000 | 177.8000 | 203.2000 | 228.6000 | 254.0000 |
| 1/64 | 0.015625 | 0.3969 | 25.7969 | 51.1969 | 76.5969 | 101.9969 | 127.3969 | 152.7969 | 178.1969 | 203.5969 | 228.9969 | 254.3969 |
| 1/32 | 0.03125 | 0.7938 | 26.1938 | 51.5938 | 76.9938 | 102.3938 | 127.7938 | 153.1938 | 178.5938 | 203.9938 | 229.3938 | 254.7938 |
| 3/64 | 0.046875 | 1.1906 | 26.5906 | 51.9906 | 77.3906 | 102.7906 | 128.1906 | 153.5906 | 178.9906 | 204.3906 | 229.7906 | 255.1906 |
| 1/16 | 0.0625 | 1.5875 | 26.9875 | 52.3875 | 77.7875 | 103.1875 | 128.5875 | 153.9875 | 179.3875 | 204.7875 | 230.1875 | 255.5875 |
| 5/64 | 0.078125 | 1.9844 | 27.3844 | 52.7844 | 78.1844 | 103.5844 | 128.9844 | 154.3844 | 179.7844 | 205.1844 | 230.5844 | 255.9844 |
| 3/32 | 0.09375 | 2.3812 | 27.7812 | 53.1812 | 78.5812 | 103.9812 | 129.3812 | 154.7812 | 180.1812 | 205.5812 | 230.9812 | 256.3812 |
| 7/64 | 0.109375 | 2.7781 | 28.1781 | 53.5781 | 78.9781 | 104.3781 | 129.7781 | 155.1781 | 180.5781 | 205.9781 | 231.3781 | 256.7781 |
| 1/8 | 0.125 | 3.1750 | 28.5750 | 53.9750 | 79.3750 | 104.7750 | 130.1750 | 155.5750 | 180.9750 | 206.3750 | 231.7750 | 257.1750 |
| 9/64 | 0.140625 | 3.5719 | 28.9719 | 54.3719 | 79.7719 | 105.1719 | 130.5719 | 155.9719 | 181.3719 | 206.7719 | 232.1719 | 257.5719 |
| 5/32 | 0.15625 | 3.9688 | 29.3688 | 54.7688 | 80.1688 | 105.5688 | 130.9688 | 156.3688 | 181.7688 | 207.1688 | 232.5688 | 257.9688 |
| 11/64 | 0.171875 | 4.3656 | 29.7656 | 55.1656 | 80.5656 | 105.9656 | 131.3656 | 156.7656 | 182.1656 | 207.5656 | 232.9656 | 258.3656 |
| 3/16 | 0.1875 | 4.7625 | 30.1625 | 55.5625 | 80.9625 | 106.3625 | 131.7625 | 157.1625 | 182.5625 | 207.9625 | 233.3625 | 258.7625 |
| 13/64 | 0.203125 | 5.1594 | 30.5594 | 55.9594 | 81.3594 | 106.7594 | 132.1594 | 157.5594 | 182.9594 | 208.3594 | 233.7594 | 259.1594 |
| 7/32 | 0.21875 | 5.5562 | 30.9562 | 56.3562 | 81.7562 | 107.1562 | 132.5562 | 157.9562 | 183.3562 | 208.7562 | 234.1562 | 259.5562 |
| 15/64 | 0.234375 | 5.9531 | 31.3531 | 56.7531 | 82.1531 | 107.5531 | 132.9531 | 158.3531 | 183.7531 | 209.1531 | 234.5531 | 259.9531 |
| 1/4 | 0.25 | 6.3500 | 31.7500 | 57.1500 | 82.5500 | 107.9500 | 133.3500 | 158.7500 | 184.1500 | 209.5500 | 234.9500 | 260.3500 |
| 17/64 | 0.265625 | 6.7469 | 32.1469 | 57.5469 | 82.9469 | 108.3469 | 133.7469 | 159.1469 | 184.5469 | 209.9469 | 235.3469 | 260.7469 |
| 9/32 | 0.28125 | 7.1438 | 32.5438 | 57.9438 | 83.3438 | 108.7438 | 134.1438 | 159.5438 | 184.9438 | 210.3438 | 235.7438 | 261.1438 |
| 19/64 | 0.296875 | 7.5406 | 32.9406 | 58.3406 | 83.7406 | 109.1406 | 134.5406 | 159.9406 | 185.3406 | 210.7406 | 236.1406 | 261.5406 |
| 5/16 | 0.3125 | 7.9375 | 33.3375 | 58.7375 | 84.1375 | 109.5375 | 134.9375 | 160.3375 | 185.7375 | 211.1375 | 236.5375 | 261.9375 |
| 21/64 | 0.328125 | 8.3344 | 33.7344 | 59.1344 | 84.5344 | 109.9344 | 135.3344 | 160.7344 | 186.1344 | 211.5344 | 236.9344 | 262.3344 |
| 11/32 | 0.34375 | 8.7312 | 34.1312 | 59.5312 | 84.9312 | 110.3312 | 135.7312 | 161.1312 | 186.5312 | 211.9312 | 237.3312 | 262.7312 |
| 23/64 | 0.359375 | 9.1281 | 34.5281 | 59.9281 | 85.3281 | 110.7281 | 136.1281 | 161.5281 | 186.9281 | 212.3281 | 237.7281 | 263.1281 |
| 3/8 | 0.375 | 9.5250 | 34.9250 | 60.3250 | 85.7250 | 111.1250 | 136.5250 | 161.9250 | 187.3250 | 212.7250 | 238.1250 | 263.5250 |
| 25/64 | 0.390625 | 9.9219 | 35.3219 | 60.7219 | 86.1219 | 111.5219 | 136.9219 | 162.3219 | 187.7219 | 213.1219 | 238.5219 | 263.9219 |
| 13/32 | 0.40625 | 10.3188 | 35.7188 | 61.1188 | 86.5188 | 111.9188 | 137.3188 | 162.7188 | 188.1188 | 213.5188 | 238.9188 | 264.3188 |
| 27/64 | 0.421875 | 10.7156 | 36.1156 | 61.5156 | 86.9156 | 112.3156 | 137.7156 | 163.1156 | 188.5156 | 213.9156 | 239.3156 | 264.7156 |
| 7/16 | 0.4375 | 11.1125 | 36.5125 | 61.9125 | 87.3125 | 112.7125 | 138.1125 | 163.5125 | 188.9125 | 214.3125 | 239.7125 | 265.1125 |
| 29/64 | 0.453125 | 11.5094 | 36.9094 | 62.3094 | 87.7094 | 113.1094 | 138.5094 | 163.9094 | 189.3094 | 214.7094 | 240.1094 | 265.5094 |
| 15/32 | 0.46875 | 11.9062 | 37.3062 | 62.7062 | 88.1062 | 113.5062 | 138.9062 | 164.3062 | 189.7062 | 215.1062 | 240.5062 | 265.9062 |
| 31/64 | 0.484375 | 12.3031 | 37.7031 | 63.1031 | 88.5031 | 113.9031 | 139.3031 | 164.7031 | 190.1031 | 215.5031 | 240.9031 | 266.3031 |
| 1/2 | 0.5 | 12.7000 | 38.1000 | 63.5000 | 88.9000 | 114.3000 | 139.7000 | 165.1000 | 190.5000 | 215.9000 | 241.3000 | 266.7000 |
| 33/64 | 0.515625 | 13.0969 | 38.4969 | 63.8969 | 89.2969 | 114.6969 | 140.0969 | 165.4969 | 190.8969 | 216.2969 | 241.6969 | 267.0969 |
| 17/32 | 0.53125 | 13.4938 | 38.8938 | 64.2938 | 89.6938 | 115.0938 | 140.4938 | 165.8938 | 191.2938 | 216.6938 | 242.0938 | 267.4938 |
| 35/64 | 0.546875 | 13.8906 | 39.2906 | 64.6906 | 90.0906 | 115.4906 | 140.8906 | 166.2906 | 191.6906 | 217.0906 | 242.4906 | 267.8906 |
| 9/16 | 0.5625 | 14.2875 | 39.6875 | 65.0875 | 90.4875 | 115.8875 | 141.2875 | 166.6875 | 192.0875 | 217.4875 | 242.8875 | 268.2875 |
| 37/64 | 0.578125 | 14.6844 | 40.0844 | 65.4844 | 90.8844 | 116.2844 | 141.6844 | 167.0844 | 192.4844 | 217.8844 | 243.2844 | 268.6844 |
| 19/32 | 0.59375 | 15.0812 | 40.4812 | 65.8812 | 91.2812 | 116.6812 | 142.0812 | 167.4812 | 192.8812 | 218.2812 | 243.6812 | 269.0812 |
| 39/64 | 0.609375 | 15.4781 | 40.8781 | 66.2781 | 91.6781 | 117.0781 | 142.4781 | 167.8781 | 193.2781 | 218.6781 | 244.0781 | 269.4781 |
| 5/8 | 0.625 | 15.8750 | 41.2750 | 66.6750 | 92.0750 | 117.4750 | 142.8750 | 168.2750 | 193.6750 | 219.0750 | 244.4750 | 269.8750 |
| 41/64 | 0.640625 | 16.2719 | 41.6719 | 67.0719 | 92.4719 | 117.8719 | 143.2719 | 168.6719 | 194.0719 | 219.4719 | 244.8719 | 270.2719 |
| 21/32 | 0.65625 | 16.6688 | 42.0688 | 67.4688 | 92.8688 | 118.2688 | 143.6688 | 169.0688 | 194.4688 | 219.8688 | 245.2688 | 270.6688 |
| 43/64 | 0.671875 | 17.0656 | 42.4656 | 67.8656 | 93.2656 | 118.6656 | 144.0656 | 169.4656 | 194.8656 | 220.2656 | 245.6656 | 271.0656 |
| 11/16 | 0.6875 | 17.4625 | 42.8625 | 68.2625 | 93.6625 | 119.0625 | 144.4625 | 169.8625 | 195.2625 | 220.6625 | 246.0625 | 271.4625 |
| 45/64 | 0.703125 | 17.8594 | 43.2594 | 68.6594 | 94.0594 | 119.4594 | 144.8594 | 170.2594 | 195.6594 | 221.0594 | 246.4594 | 271.8594 |
| 23/32 | 0.71875 | 18.2562 | 43.6562 | 69.0562 | 94.4562 | 119.8562 | 145.2562 | 170.6562 | 196.0562 | 221.4562 | 246.8562 | 272.2562 |
| 47/64 | 0.734375 | 18.6531 | 44.0531 | 69.4531 | 94.8531 | 120.2531 | 145.6531 | 171.0531 | 196.4531 | 221.8531 | 247.2531 | 272.6531 |
| 3/4 | 0.75 | 19.0500 | 44.4500 | 69.8500 | 95.2500 | 120.6500 | 146.0500 | 171.4500 | 196.8500 | 222.2500 | 247.6500 | 273.0500 |
| 49/64 | 0.765625 | 19.4469 | 44.8469 | 70.2469 | 95.6469 | 121.0469 | 146.4469 | 171.8469 | 197.2469 | 222.6469 | 248.0469 | 273.4469 |
| 25/32 | 0.78125 | 19.8438 | 45.2438 | 70.6438 | 96.0438 | 121.4438 | 146.8438 | 172.2438 | 197.6438 | 223.0438 | 248.4438 | 273.8438 |
| 51/64 | 0.796875 | 20.2406 | 45.6406 | 71.0406 | 96.4406 | 121.8406 | 147.2406 | 172.6406 | 198.0406 | 223.4406 | 248.8406 | 274.2406 |
| 13/16 | 0.8125 | 20.6375 | 46.0375 | 71.4375 | 96.8375 | 122.2375 | 147.6375 | 173.0375 | 198.4375 | 223.8375 | 249.2375 | 274.6375 |
| 53/64 | 0.828125 | 21.0344 | 46.4344 | 71.8344 | 97.2344 | 122.6344 | 148.0344 | 173.4344 | 198.8344 | 224.2344 | 249.6344 | 275.0344 |
| 27/32 | 0.84375 | 21.4312 | 46.8312 | 72.2312 | 97.6312 | 123.0312 | 148.4312 | 173.8312 | 199.2312 | 224.6312 | 250.0312 | 275.4312 |
| 55/64 | 0.859375 | 21.8281 | 47.2281 | 72.6281 | 98.0281 | 123.4281 | 148.8281 | 174.2281 | 199.6281 | 225.0281 | 250.4281 | 275.8281 |
| 7/8 | 0.875 | 22.2250 | 47.6250 | 73.0250 | 98.4250 | 123.8250 | 149.2250 | 174.6250 | 200.0250 | 225.4250 | 250.8250 | 276.2250 |
| 57/64 | 0.890625 | 22.6219 | 48.0219 | 73.4219 | 98.8219 | 124.2219 | 149.6219 | 175.0219 | 200.4219 | 225.8219 | 251.2219 | 276.6219 |
| 29/32 | 0.90625 | 23.0188 | 48.4188 | 73.8188 | 99.2188 | 124.6188 | 150.0188 | 175.4188 | 200.8188 | 226.2188 | 251.6188 | 277.0188 |
| 59/64 | 0.921875 | 23.4156 | 48.8156 | 74.2156 | 99.6156 | 125.0156 | 150.4156 | 175.8156 | 201.2156 | 226.6156 | 252.0156 | 277.4156 |
| 15/16 | 0.9375 | 23.8125 | 49.2125 | 74.6125 | 100.0125 | 125.4125 | 150.8125 | 176.2125 | 201.6125 | 227.0125 | 252.4125 | 277.8125 |
| 61/64 | 0.953125 | 24.2094 | 49.6094 | 75.0094 | 100.4094 | 125.8094 | 151.2094 | 176.6094 | 202.0094 | 227.4094 | 252.8094 | 278.2094 |
| 31/32 | 0.96875 | 24.6062 | 50.0062 | 75.4062 | 100.8062 | 126.2062 | 151.6062 | 177.0062 | 202.4062 | 227.8062 | 253.2062 | 278.6062 |
| 63/64 | 0.984375 | 25.0031 | 50.4031 | 75.8031 | 101.2031 | 126.6031 | 152.0031 | 177.4031 | 202.8031 | 228.2031 | 253.6031 | 279.0031 |



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