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| **Eje** | **Ranura (G)** | **Anillo circular (F)** | **Wt.** | **Tc** |
| **B**  | **G**  | **Tol.**  | **w**  | **Tol.**  | **n** **(mínimo)**  | **d*****~*** | **t** **(espesor)** | **Tol.**  | **D**  | **Tol.**  | **C**  | **C1**  | **L** **(máximo)**  | **b** ***~*** | **h (mínimo)**  | **(kg/k)**  | **(N)**  |
| **3**  | 2.8  | +0,00  -0,04  | 0.50  |   +0.14 -0.00  | 0.3  | 0.10  | 0.40  | +0.00 -0.05  | **2.7**  | +0.04 -0.15   | 7.0 | 6.6 | 1.9 | 0.8 | 1.0 | 0.02 | 1170 |
| **4**  | 3.8  | 0.50  | 0.3  | 0.10  | 0.40  | **3.7**  | 8.6 | 8.2 | 2.2 | 0.9 | 1.0 | 0.03 | 1600 |
| **5**  | 4.8  | +0.00 -0.048  | 0.70  | 0.3  | 0.10  | 0.60  | **4.7**  | 10.3 | 9.8 | 2.5 | 1.1 | 1.0 | 0.08 | 2900 |
| **6**  | 5.7  | 0.80  | 0.5  | 0.15  | 0.70  | **5.6**  | 11.7 | 11.1 | 2.7 | 1.3 | 1.2 | 0.13 | 4100 |
| **7**  | 6.7  | +0.00 -0.06  | 0.90  | 0.5  | 0.15  | 0.80  | **6.5**  | +0.06 -0.18  | 13.5 | 12.9 | 3.1 | 1.4 | 1.2 | 0.18 | 5500 |
| **8**  | 7.6  | 0.90  | 0.6  | 0.20  | 0.80  | **7.4**  | 14.7 | 14.0 | 3.2 | 1.5 | 1.2 | 0.20 | 6200 |
| **9**  | 8.6  | 1.10  | 0.6  | 0.20  | 1.00  |   +0.00 -0.06  | **8.4**  | 16.0 | 15.2 | 3.3 | 1.7 | 1.2 | 0.32 | 8800 |
| **10**  | 9.6  | 1.10  | 0.6  |  0.20  | 1.00  | **9.3**  | +0.10 -0.36    | 17.0 | 16.2 | 3.3 | 1.8 | 1.5 | 0.40 | 9700 |
| **11**  | 10.5  | +0.00 -0.11   | 1.10  | 0.8  | 0.25  | 1.00  | **10.2**  | 18.0 | 17.1 | 3.3 | 1.8 | 1.5 | 0.41 | 10700 |
| **12**  | 11.5  | 1.10  | 0.8  | 0.25  | 1.00  | **11.0**  | 19.0 | 18.1 | 3.3 | 1.8 | 1.7 | 0.45 | 11700 |
| **13**  | 12.4  | 1.10  | 0.9  | 0.30  | 1.00  | **11.9**  | 20.2 | 19.2 | 3.4 | 2.0 | 1.7 | 0.52 | 12700 |
| **14**  | 13.4  | 1.10  | 0.9  | 0.30  | 1.00  | **12.9**  | 21.4 | 20.4 | 3.5 | 2.1 | 1.7 | 0.56 | 13600 |
| **15**  | 14.3  | 1.10  | 1.1  | 0.35  | 1.00  | **13.8**  | 22.6 | 21.5 | 3.6 | 2.2 | 1.7 | 0.62 | 14600 |
| **16**  | 15.2  | 1.10  | 1.2  | 0.40  | 1.00  | **14.7**  | 23.8 | 22.6 | 3.7 | 2.2 | 1.7 | 0.69 | 15600 |
| **17**  | 16.2  | 1.10  | 1.2  | 0.40  | 1.00  | **15.7**  | 25.0 | 23.8 | 3.8 | 2.3 | 1.7 | 0.77 | 16600 |
| **18**  | 17.0  | 1.30  | 1.5  | 0.50  | 1.20  | **16.5**  | 26.2 | 24.8 | 3.9 | 2.4 | 2.0 | 0.99 | 21000 |
| **19**  | 18.0  | 1.30  | 1.5  | 0.50  | 1.20  | **17.5**  | 27.2 | 25.8 | 3.9 | 2.5 | 2.0 | 1.10 | 22200 |
| **20**  | 19.0  | +0.00 -0.13  | 1.30  | 1.5  | 0.50  | 1.20  | **18.5**  | +0.13 -0.42 | 28.4 | 27.0 | 4.0 | 2.6 | 2.0 | 1.18 | 23400 |
| **21**  | 20.0  | 1.30  | 1.5  | 0.50  | 1.20  | **19.5**  | 29.6 | 28.2 | 4.1 | 2.7 | 2.0 | 1.26 | 24500 |
| **22**  | 21.0  | 1.30  | 1.5  | 0.50  | 1.20  | **20.5**  | 30.8 | 29.4 | 4.2 | 2.8 | 2.0 | 1.39 | 25700 |
| **23**  | 22.0  | 1.30  | 1.5  | 0.50  | 1.20  | **21.5**  | 32.0 | 30.6 | 4.3 | 2.9 | 2.0 | 1.54 | 26900 |
| **24**  | 22.9  | +0.00 -0.21      | 1.30  | 1.7  | 0.55  | 1.20  | **22.2**  | +0.21 -0.42    | 33.2 | 31.7 | 4.4 | 3.0 | 2.0 | 1.52 | 28000 |
| **25**  | 23.9  | 1.30  | 1.7  | 0.55  | 1.20  | **23.2**  | 34.2 | 32.7 | 4.4 | 3.0 | 2.0 | 1.70 | 29200 |
| **26**  | 24.9  | 1.30  | 1.7  | 0.55  | 1.20  | **24.2**  | 35.5 | 33.9 | 4.5 | 3.1 | 2.0 | 1.75 | 30400 |
| **27**  | 25.6  | 1.30  | 2.1  | 0.70  | 1.20  | **24.9**  | 36.7 | 34.8 | 4.6 | 3.1 | 2.0 | 1.89 | 31600 |
| **28**  | 26.6  | 1.60  | 2.1  | 0.70  | 1.50  | **25.9**  | 37.9 | 36.0 | 4.7 | 3.2 | 2.0 | 2.47 | 40900 |
| **29**  | 27.6  | 1.60  | 2.1  | 0.70  | 1.50  | **26.9**  | 39.1 | 37.2 | 4.8 | 3.4 | 2.0 | 2.75 | 42400 |
| **30**  | 28.6  | 1.60  | 2.1  | 0.70  | 1.50  | **27.9**  | 40.5 | 38.6 | 5.0 | 3.5 | 2.0 | 2.93 | 43800 |
| **32**  | 30.3  | 1.60 | 2.6  | 0.85  | 1.50  | **29.6** | 43.0 | 40.7 | 5.2 | 3.6 | 2.5 | 3.02 | 46700 |
| **33**  | 31.3  | 1.60 | 2.6  | 0.85  | 1.50  | **30.5** | 44.0 | 41.7 | 5.2 | 3.7 | 2.5 | 3.30 | 48200 |
| **34**  | 32.3  | 1.60  | 2.6  | 0.85  | 1.50  | **31.5**  | 45.4 | 43.1 | 5.4 | 3.8 | 2.5 | 3.72 | 49700 |
| **35**  | 33.0  | 1.60  | 3.0  | 1.00  | 1.50  | **32.2**  | 46.8 | 44.2 | 5.6 | 3.9 | 2.5 | 3.78 | 51100 |
| **36**  | 34.0  | 1.85  | 3.0  | 1.00  | 1.75  | **33.2**  | 47.8 | 45.2 | 5.6 | 4.0 | 2.5 | 4.55 | 51400 |
| **38**  | 36.0  | 1.85  | 3.0  | 1.00  | 1.75  | **35.2**  | 50.2 | 47.6 | 5.8 | 4.2 | 2.5 | 5.08 | 54800 |
| **40**  | 375  | 1.85  | 3.8  | 1.25  | 1.75  | **36.5**  | +0.39 -0.90 | 52.6 | 49.5 | 6.6 | 5.0 | 2.5 | 5.54 | 55600 |
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| **Eje** | **Ranura (G)** | **Anillo circular (F)** | **Wt.** | **Tc** |
| **B**  | **G**  | **Tol.**  | **w**  | **Tol.**  | **n** **(mínimo)**  | **d*****~*** | **t** **(espesor)** | **Tol.**  | **D**  | **Tol.**  | **C**  | **C1**  | **L** **(máximo)**  | **b** ***~*** | **h (mínimo)**  | **(kg/k)**  | **(N)**  |
| **42**  | 39.5  | +0.00 -0.21  | 1.85  | +0.14 -0.00 | 3.8  | 1.25  | 1.75  |  | **38.5**  | +0.39 -0.90 | 55.7 | 52.5 | 6.5 | 5.0 | 2.5 | 5.99 | 59500 |
| **45**  | 42.5  | 1.85  | 3.8  | 1.25  | 1.75  | **41.5**  | 59.1 | 55.9 | 6.7 | 5.0 | 2.5 | 6.75 | 63700 |
| **46**  | 43.5  | 1.85  | 3.8  | 1.25  | 1.75  | **42.5**  | 60.1 | 56.9 | 6.7 | 5.0 | 2.5 | 7.24 | 65100 |
| **47**  | 44.5  | 1.85  | 3.8  | 1.25  | 1.75  | **43.5**  | 61.3 | 58.1 | 6.8 | 5.0 | 2.5 | 7.30 | 66500 |
| **48**  | 45.5  | 1.85  | 3.8  | 1.25  | 1.75  | **44.5**  | 62.5 | 59.3 | 6.9 | 5.0 | 2.5 | 7.51 | 67900 |
| **50**  | 470  | 2.15  | 4.5  | 1.50  | 2.00  |   +0.00 -0.07   | **45.8**  | 64.5 | 60.8 | 6.9 | 5.5 | 2.5 | 9.88 | 80300 |
| **52**  | 49.0  | 2.15  | 4.5  | 1.50  | 2.00  | **47.8**  | 66.7 | 63.0 | 7.0 | 5.5 | 2.5 | 9.53 | 84100 |
| **54**  | 51.0  |   +0.00 -0.30  | 2.15  | 4.5  | 1.50  | 2.00  | **49.8**  | +0.46 -1.10    | 69.0 | 65.2 | 7.1 | 5.5 | 2.5 | 10.30 | 87400 |
| **55**  | 52.0  | 2.15  | 4.5  | 1.50  | 2.00  | **50.8**  | 70.2 | 66.4 | 7.2 | 5.5 | 2.5 | 10.41 | 89000 |
| **56**  | 53.0  | 2.15  | 4.5  | 1.50  | 2.00  | **51.8**  | 71.6 | 67.6 | 7.3 | 5.5 | 2.5 | 10.50 | 90600 |
| **58**  | 55.0  | 2.15  | 4.5  | 1.50  | 2.00  | **53.8**  | 73.6 | 69.6 | 7.3 | 5.6 | 2.5 | 12.47 | 93800 |
| **60**  | 57.0  | 2.15  | 4.5  | 1.50  | 2.00  | **55.8**  | 75.6 | 71.8 | 7.4 | 5.8 | 2.5 | 13.69 | 97100 |
| **62**  | 59.0  | 2.15  | 4.5  | 1.50  | 2.00  | **57.8**  | 77.8 | 74.0 | 7.5 | 6.0 | 2.5 | 12.36 | 100000 |
| **63**  | 60.0  | 2.15  | 4.5  | 1.50  | 2.00  | **58.8**  | 79.0 | 75.2 | 7.6 | 6.2 | 2.5 | 13.10 | 102000 |
| **65**  | 62.0  | 2.65  | 4.5  | 1.50  | 2.50  | **60.8**  | 81.4 | 77.6 | 7.8 | 6.3 | 3.0 | 20.44 | 131000 |
| **67**  | 64.0  | +0.00 -0.30  | 2.65  | 4.5  | 1.50  | 2.50  | **62.5**  | 83.6 | 79.8 | 7.9 | 6.4 | 3.0 | 20.43 | 135000 |
| **68**  | 65.0  | 2.65  | 4.5  | 1.50  | 2.50  | **63.5**  | 84.4 | 81.0 | 8.0 | 6.5 | 3.0 | 19.55 | 138000 |
| **70**  | 67.0  | 2.65  | 4.5  | 1.50  | 2.50  | **65.5**  | 87.0 | 83.2 | 8.1 | 6.6 | 3.0 | 22.13 | 142000 |
| **72**  | 69.0  | 2.65  | 4.5  | 1.50  | 2.50  | **67.5**  | 89.2 | 85.4 | 8.2 | 6.8 | 3.0 | 21.60 | 146000 |
| **75**  | 72.0  | 2.65  | 4.5  | 1.50  | 2.50  | **70.5**  | 92.7 | 88.8 | 8.4 | 7.0 | 3.0 | 24.65 | 152000 |
| **77**  | 74.0  | 2.65  | 4.5  | 1.50  | 2.50  | **72.5**  | 94.9 | 91.0 | 8.5 | 7.2 | 3.0 | 24.26 | 156000 |
| **78**  | 75.0  | 2.65  | 4.5  | 1.50  | 2.50  | **73.5**  | 96.1 | 92.2 | 8.6 | 7.3 | 3.0 | 28.10 | 158000 |
| **80**  | 76.5  | 2.65  | 5.3  | 1.75  | 2.50  | **74.5**  | 98.1 | 93.7 | 8.6 | 7.4 | 3.0 | 26.68 | 162000 |
| **82**  | 78.5  | 2.65  | 5.3  | 1.75  | 2.50  | **76.5**  | 100.3 | 95.9 | 8.7 | 7.6 | 3.0 | 28.35 | 166000 |
| **85**  | 81.5  | +0.00 -0.35  | 3.15  | +0.18 -0.00  | 5.3  | 1.75  | 3.00  | +0.00 -0.08  | **79.5**  | 103.3 | 98.9 | 8.7 | 7.8 | 3.5 | 35.40 | 206000 |
| **88**  | 84.5  | 3.15  | 5.3  | 1.75  | 3.00  | **82.5**  | +0.54 -1.30  | 106.5 | 102.0 | 8.8 | 8.0 | 3.5 | 39.85 | 214000 |
| **90**  | 86.5  | 3.15  | 5.3  | 1.75  | 3.00  | **84.5**  | 108.5 | 104.0 | 8.8 | 8.2 | 3.5 | 38.89 | 218000 |
| **95**  | 91.5  | 3.15  | 5.3  | 1.75  | 3.00  | **89.5**  | 114.8 | 111.0 | 9.4 | 8.6 | 3.5 | 42.39 | 231000 |
| **98**  | 94.5  | 3.15  | 5.3  | 1.75  | 3.00  | **91.5**  | 118.6 | 114.0 | 9.8 | 9.0 | 3.5 | 54.00 | 238000 |
| **100**  | 96.5  | 3.15  | 5.3  | 1.75  | 3.00  | **94.5**  | 120.2 | 116.0 | 9.6 | 9.0 | 3.5 | 48.86 | 243000 |
| **102**  | 98.0  | +0.00 -0.54  | 4.15  | 6.0  | 2.00  | 4.00  | +0.00 -0.10  | **95.0**  | 122.4 | 118.0 | 9.7 | 9.2 | 3.5 | 68.73 | 330000 |
| **105**  | 101.0  | 4.15  | 6.0  | 2.00  | 4.00  | **98.0**  | 126.2 | 122.0 | 10.1 | 9.3 | 3.5 | 73.16 | 340000 |
| **108**  | 104.0  | 4.15  | 6.0  | 2.00  | 4.00  | **100.0**  | 129.0 | 124.0 | 10.0 | 9.5 | 3.5 | 83.45 | 349000 |
| **110**  | 106.0  | 4.15  | 6.0  | 2.00  | 4.00  | **103.0**  | 131.2 | 127.0 | 10.1 | 9.6 | 3.5 | 75.24 | 356000 |

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| **Eje** | **Ranura (G)** | **Anillo circular (F)** | **Wt.** | **Tc** |
| **B**  | **G**  | **Tol.**  | **w**  | **Tol.**  | **n** **(mínimo)**  | **d*****~*** | **t** **(espesor)** | **Tol.**  | **D**  | **Tol.**  | **C**  | **C1**  | **L** **(máximo)**  | **b** ***~*** | **h (mínimo)**  | **(kg/k)**  | **(N)**  |
| **115**  | 111.0  | +0.00 -0.54 | 4.15  | +0.18 -0.00 | 6.0  | 2.00  | 4.00  | +0.00 -0.10 | **108.0**  | +0.54 -1.30 | 137.3 | 133.0 | 10.6 | 9.8 | 3.5 | 78.65 | 327000 |
| **120**  | 116.0  | 4.15  | 6.0  | 2.00  | 4.00  | **113.0**  | 143.1 | 138.0 | 11.0 | 10.2 | 3.5 | 85.58 | 388000 |
| **125**  | 121.0  |  +0.00 -0.63  | 4.15  | 6.0  | 2.00  | 4.00  | **118.0**  | 149.0 | 144.0 | 11.4 | 10.4 | 4.0 | 99.62 | 404000 |
| **130**  | 126.0  | 4.15  | 6.0  | 2.00  | 4.00  | **123.0**  | +0.63 -1.50  | 154.4 | 150.0 | 11.6 | 10.7 | 4.0 | 98.10 | 421000 |
| **135**  | 131.0  | 4.15  | 6.0  | 2.00  | 4.00  | **128.0**  | 159.8 | 155.0 | 11.8 | 11.0 | 4.0 | 113.40 | 437000 |
| **140**  | 136.0  | 4.15  | 6.0  | 2.00  | 4.00  | **133.0**  | 165.2 | 160.0 | 12.0 | 11.2 | 4.0 | 119.18 | 453000 |
| **145**  | 141.0  | 4.15  | 6.0  | 2.00  | 4.00  | **138.0**  | 170.6 | 166.0 | 12.2 | 11.5 | 4.0 | 128.53 | 470000 |
| **150**  | 145.0  | 4.15  | 7.5  | 2.50  | 4.00  | **142.0**  | 177.3 | 171.0 | 13.0 | 11.8 | 4.0 | 132.80 | 455000 |
| **155**  | 150.0  | 4.15  | 7.5  | 2.50  | 4.00  | **146.0**  | 182.3 | 176.0 | 13.0 | 12.0 | 4.0 | 136.06 | 501000 |
| **160**  | 155.0  | 4.15  | 7.5  | 2.50  | 4.00  | **151.0**  | 188.0 | 182.0 | 13.3 | 12.2 | 4.0 | 137.50 | 518000 |
| **165**  | 160.0  | 4.15  | 7.5  | 2.50  | 4.00  | **155.5**  | 193.4 | 187.0 | 13.5 | 12.5 | 4.0 | 151.96 | 534000 |
| **170**  | 165.0  | 4.15  | 7.5  | 2.50  | 4.00  | **160.5**  | 198.4 | 192.0 | 13.5 | 12.9 | 4.0 | 169.00 | 550000 |
| **175**  | 170.0  | 4.15  | 7.5  | 2.50  | 4.00  | **165.5**  | 203.4 | 197.0 | 13.5 | 12.9 | 4.0 | 173.70 | 566000 |
| **180**  | 175.0  | 4.15  | 7.5  | 2.50  | 4.00  | **170.5**  | 210.0 | 204.0 | 14.2 | 13.5 | 4.0 | 188.00 | 582000 |
| **185**  | 180.0  | 4.15  | 7.5  | 2.50  | 4.00  | **175.5**  | 215.2 | 209.0 | 14.3 | 13.5 | 4.0 | 193.00 | 598000 |
| **190**  | 185.0  | +0.00 -0.72   | 4.15  | 7.5  | 2.50  | 4.00  | **180.5**  | +0.72 -1.70  | 220.0 | 214.0 | 14.2 | 14.0 | 4.0 | 203.00 | 615000 |
| **195**  | 190.0  | 4.15  | 7.5  | 2.50  | 4.00  | **185.5**  | 225.0 | 219.0 | 14.2 | 14.0 | 4.0 | 209.50 | 631000 |
| **200**  | 195.0  | 4.15  | 7.5  | 2.50  | 4.00  | **190.5**  | 230.0 | 224.0 | 14.2 | 14.0 | 4.0 | 214.00 | 647000 |
| **205**  | 199.0  | 5.15  | 9.0  | 3.00  | 5.00  | +0.00 -0.12  | **193.0**  | 235.0 | 228.0 | 14.2 | 14.0 | 4.0 | 278.00 | 721000 |
| **210**  | 204.0  | 5.15  | 9.0  | 3.00  | 5.00  | **198.0**  | 240.0 | 233.0 | 14.2 | 14.0 | 4.0 | 285.00 | 739000 |
| **220**  | 214.0  | 5.15  | 9.0  | 3.00  | 5.00  | **208.0**  | 250.0 | 243.0 | 14.2 | 14.0 | 4.0 | 298.50 | 775000 |
| **230**  | 224.0  | 5.15  | 9.0  | 3.00  | 5.00  | **218.0**  | 260.0 | 253.0 | 14.2 | 14.0 | 4.0 | 312.00 | 809000 |
| **240**  | 234.0  | 5.15  | 9.0  | 3.00  | 5.00  | **228.0**  | 270.0 | 263.0 | 14.2 | 14.0 | 4.0 | 326.00 | 844000 |
| **250**  | 244.0  | 5.15  | 9.0  | 3.00  | 5.00  | **238.0**  | 280.0 | 272.0 | 14.2 | 14.0 | 4.0 | 340.00 | 880000 |
| **260** | 252.0 | +0.00-0.81 | 5.15 | 12.0 | 4.00 | 5.00 | **245.0** | 294.0 | 285.0 | 16.2 | 16.0 | 5.0 | 414.00 | 915000 |
| **270** | 262.0 | 5.15 | 12.0 | 4.00 | 5.00 | **255.0** | +0.81-2.00 | 304.0 | 295.0 | 16.2 | 16.0 | 5.0 | 430.50 | 950000 |
| **280** | 272.0 | 5.15 | 12.0 | 4.00 | 5.00 | **265.0** | 314.0 | 305.0 | 16.2 | 16.0 | 5.0 | 446.50 | 985000 |
| **290** | 282.0 | 5.15 | 12.0 | 4.00 | 5.00 | **275.0** | 324.0 | 315.0 | 16.2 | 16.0 | 5.0 | 463.00 | 1020000 |
| **300** | 292.0 | 5.15 | 12.0 | 4.00 | 5.00 | **285.0** | 334.0 | 325.0 | 16.2 | 16.0 | 5.0 | 479.00 | 1056000 |
| **310** | 300.0 | 6.20 | +0.22 -0.00   | 15.0 | 5.00 | 6.00 | +0.00-0.18 | **293.0** | +1.00-2.50 | 352.2 | 341.0 | 20.2 | 20.0 | 6.0 | 710.50 | 1309000 |
| **320** | 310.0 | 6.20 | 15.0 | 5.00 | 6.00 | **303.0** | 362.2 | 351.1 | 20.2 | 20.0 | 6.0 | 734.00 | 1351000 |
| **330** | 320.0 | +0.00-0.89 | 6.20 | 15.0 | 5.00 | 6.00 | **313.0** | 372.2 | 361.0 | 20.2 | 20.0 | 6.0 | 757.00 | 1393000 |
| **340** | 330.0 | 6.20 | 15.0 | 5.00 | 6.00 | **323.0** | 382.2 | 371.0 | 20.2 | 20.0 | 6.0 | 780.00 | 1436000 |
| **350** | 340.0 | 6.20 | 15.0 | 5.00 | 6.00 | **333.0** | 392.2 | 381.0 | 20.2 | 20.0 | 6.0 | 805.00 | 1478000 |
| **360** | 350.0 | 6.20 | 15.0 | 5.00 | 6.00 | **343.0** | 402.2 | 391.0 | 20.2 | 20.0 | 6.0 | 827.00 | 1520000 |
| **370** | 360.0 | 6.20 | 15.0 | 5.00 | 6.00 | **353.0** | 412.2 | 401.0 | 20.2 | 20.0 | 6.0 | 850.00 | 1562000 |

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