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| ***DIN 471*** |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **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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| ***DIN 471*** |
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| ***DIN 471*** |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **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 | |