|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **环的级数** | **m** | **24** | **23** | **22** | **21** | **20** | **19** | **18** | **17** | **16** | **15** |
| **环的位置** | **右侧(mm)** | 20.128 | 20.302 | 20.414 | 20.541 | 20.665 | 20.783 | 20.885 | 21.011 | 21.174 | 21.287 |
| **左侧(mm)** | 30.38 | 30.271 | 30.174 | 30.075 | 29.96 | 29.858 | 29.75 | 29.617 | 29.482 | 29.345 |
| **环的直径Dm** | **(mm)** | 10.252 | 9.969 | 9.76 | 9.534 | 9.295 | 9.075 | 8.865 | 8.606 | 8.308 | 8.058 |
| **Dm2** | **(mm2 )** | 105.103504 | 99.380961 | 95.2576 | 90.897156 | 86.397025 | 82.355625 | 78.588225 | 74.063236 | 69.022864 | 64.931364 |
| **环的级数** | **n** | **14** | **13** | **12** | **11** | **10** | **9** | **8** | **7** | **6** | **5** |
| **环的位置** | **右侧(mm)** | 21.423 | 21.575 | 21.75 | 21.93 | 22.081 | 22.292 | 22.495 | 22.697 | 22.901 | 23.11 |
| **左侧(mm)** | 29.242 | 29.068 | 28.953 | 28.721 | 28.613 | 28.461 | 28.176 | 27.995 | 27.778 | 27.587 |
| **环的直径Dn** | **(mm)** | 7.819 | 7.493 | 7.203 | 6.791 | 6.532 | 6.169 | 5.681 | 5.298 | 4.877 | 4.477 |
| **Dn2** | **(mm2 )** | 61.136761 | 56.145049 | 51.883209 | 46.117681 | 42.667024 | 38.056561 | 32.273761 | 28.068804 | 23.785129 | 20.043529 |
| **Dm2-Dn2** | **(mm2 )** | 43.966743 | 43.235912 | 43.374391 | 44.779475 | 43.730001 | 44.299064 | 46.314464 | 45.994432 | 45.237735 | 44.887835 |
|  | **(m)** | 1.864 | 1.834 | 1.84 | 1.899 | 1.855 | 1.879 | 1.964 | 1.95 | 1.918 | 1.904 |
| **ΔR** | **(m)** |  |  |  |  |  |  |  |  |  |  |

1. **Dm与Dn的计算：**

**D24= 24.721 mm - 14.979 mm = 9.812mm D23=** 24.619 **mm -** 15.057 **mm = 9.562mm**

**D22=** 24.540 **mm -** 15.139 **mm = 9.401mm D21=** 24.447 **mm -** 15.237 **mm = 9.210mm**

**D20=** 24.334 **mm -** 15.340 **mm = 8.994mm D19=** 24.239 **mm -** 15.431 **mm = 8.808mm**

**D18=** 24.141 **mm -** 15.572 **mm = 8.569mm D17=** 24.031 **mm -** 15.670 **mm = 8.361mm**

**D16=** 23.932 **mm -** 15.771 **mm = 8.161mm D15=** 23.822 **mm -** 15.880 **mm = 7.942mm**

**D14=** 23.713 **mm -** 15.991 **mm = 7.722mm D13=** 23.583 **mm -** 16.094 **mm = 7.489mm**

**D12=** 23.459 **mm -** 16.217 **mm = 7.242mm D11=** 23.341 **mm -** 16.341 **mm = 7.000mm**

**D10=** 23.218 **mm -** 16.470 **mm = 6.748mm D9=** 23.100 **mm -** 16.594 **mm = 6.506mm**

**D8=** 22.937 **mm -** 16.751 **mm = 6.186mm D7=** 22.792 **mm -** 16.903 **mm = 5.889mm**

**D6=** 22.643 **mm -** 17.084 **mm = 5.559mm D5=** 22.473 **mm -** 17.238 **mm = 5.235mm**

**2. Dm2-Dn2的计算**

**D152-D52 =**63.075 mm - 27.405 mm = 35.670 mm

**D162-D62 =**66.602 mm - 30.902 mm = 35.700 mm

**D172-D72 =**69.906 mm - 34.680 mm = 35.226 mm

**D182-D82 =**73.428 mm - 38.267 mm = 35.161 mm

**D192-D92 =**77.581 mm - 42.328 mm = 35.253 mm

**D202-D102 =**80.892 mm - 45.536 mm = 35.356 mm

**D212-D112 =**84.824 mm - 49.000 mm = 35.824 mm

**D222-D122 =**88.379 mm - 52.447 mm = 35.932 mm

**D232-D132 =**91.432 mm - 56.085 mm = 35.347 mm

**D242-D142 =**96.275 mm - 59.629 mm = 36.646 mm

**3. R的计算**

**由**

R1=35.670 mm÷(4×10×5893×10-7)= 840.813 mm

R2=35.700 mm÷(4×10×5893×10-7)= 841.520 mm

R3=35.226 mm÷(4×10×5893×10-7)= 830.347 mm

R4=35.161 mm÷(4×10×5893×10-7)= 828.815 mm

R5=35.253 mm÷(4×10×5893×10-7)= 830.983 mm

R6=35.356 mm÷(4×10×5893×10-7)= 833.412 mm

R7=35.824 mm÷(4×10×5893×10-7)= 844.443 mm

R8=35.932 mm÷(4×10×5893×10-7)= 846.989 mm

R9=35.347 mm÷(4×10×5893×10-7)= 833.199 mm

R10=36.646 mm÷(4×10×5893×10-7)= 863.819 mm