

X-Ring Standard Size

X-Ring Standard Size

| JIS B 2401 SIZE | MEASUREMENTS IN MILLIMETERS NBR 70 | | | | MEASUREMENTS IN MILLIMETERS FKM 70 | | | |
|--------------------|------------------------------------|-------|------|------|------------------------------------|-------|------|------|
| | ID | ± | W | ± | ID | ± | W | ± |
| X0002 | 1.07 | 0.100 | 1.27 | 0.08 | 1.07 | 0.110 | 1.27 | 0.09 |
| X0003 | 1.42 | 0.100 | 1.52 | 0.08 | 1.42 | 0.110 | 1.52 | 0.09 |
| X0004 | 1.78 | 0.130 | 1.78 | 0.08 | 1.78 | 0.14 | 1.78 | 0.09 |
| X0005 | 2.57 | 0.130 | 1.78 | 0.08 | 2.57 | 0.14 | 1.78 | 0.09 |
| X0006 | 2.90 | 0.130 | 1.78 | 0.08 | 2.90 | 0.14 | 1.78 | 0.09 |
| X0007 | 3.68 | 0.130 | 1.78 | 0.08 | 3.68 | 0.15 | 1.78 | 0.09 |
| X0008 | 4.47 | 0.130 | 1.78 | 0.08 | 4.47 | 0.15 | 1.78 | 0.09 |
| X0009 | 5.28 | 0.130 | 1.78 | 0.08 | 5.28 | 0.16 | 1.78 | 0.09 |
| X0010 | 6.07 | 0.130 | 1.78 | 0.08 | 6.07 | 0.16 | 1.78 | 0.09 |
| X0011 | 7.65 | 0.130 | 1.78 | 0.08 | 7.65 | 0.17 | 1.78 | 0.09 |
| X0012 | 9.25 | 0.130 | 1.78 | 0.08 | 9.25 | 0.18 | 1.78 | 0.09 |
| X0013 | 10.82 | 0.130 | 1.78 | 0.08 | 10.82 | 0.18 | 1.78 | 0.09 |
| X0014 | 12.42 | 0.130 | 1.78 | 0.08 | 12.42 | 0.19 | 1.78 | 0.09 |
| X0015 | 14.00 | 0.180 | 1.78 | 0.08 | 14.00 | 0.25 | 1.78 | 0.09 |
| X0016 | 15.60 | 0.230 | 1.78 | 0.08 | 15.60 | 0.31 | 1.78 | 0.09 |
| X0017 | 17.17 | 0.230 | 1.78 | 0.08 | 17.17 | 0.32 | 1.78 | 0.09 |
| X0018 | 18.77 | 0.230 | 1.78 | 0.08 | 18.77 | 0.32 | 1.78 | 0.09 |
| X0019 | 20.35 | 0.230 | 1.78 | 0.08 | 20.35 | 0.33 | 1.78 | 0.09 |
| X0020 | 21.95 | 0.230 | 1.78 | 0.08 | 21.95 | 0.34 | 1.78 | 0.09 |
| X0021 | 23.52 | 0.230 | 1.78 | 0.08 | 23.52 | 0.35 | 1.78 | 0.09 |
| X0022 | 25.12 | 0.250 | 1.78 | 0.08 | 25.12 | 0.38 | 1.78 | 0.09 |
| X0023 | 26.70 | 0.250 | 1.78 | 0.08 | 26.70 | 0.38 | 1.78 | 0.09 |
| X0024 | 28.30 | 0.250 | 1.78 | 0.08 | 28.30 | 0.39 | 1.78 | 0.09 |
| X0025 | 29.87 | 0.280 | 1.78 | 0.08 | 29.87 | 0.43 | 1.78 | 0.09 |
| X0026 | 31.47 | 0.280 | 1.78 | 0.08 | 31.47 | 0.44 | 1.78 | 0.09 |
| X0027 | 33.05 | 0.280 | 1.78 | 0.08 | 33.05 | 0.45 | 1.78 | 0.09 |
| X0028 | 34.65 | 0.330 | 1.78 | 0.08 | 34.65 | 0.50 | 1.78 | 0.09 |
| X0029 | 37.82 | 0.330 | 1.78 | 0.08 | 37.82 | 0.52 | 1.78 | 0.09 |
| X0030 | 41.00 | 0.330 | 1.78 | 0.08 | 41.00 | 0.54 | 1.78 | 0.09 |
| X0031 | 44.17 | 0.380 | 1.78 | 0.08 | 44.17 | 0.60 | 1.78 | 0.09 |
| X0032 | 47.35 | 0.380 | 1.78 | 0.08 | 47.35 | 0.62 | 1.78 | 0.09 |
| X0033 | 50.52 | 0.460 | 1.78 | 0.08 | 50.52 | 0.71 | 1.78 | 0.09 |
| X0034 | 53.70 | 0.460 | 1.78 | 0.08 | 53.70 | 0.73 | 1.78 | 0.09 |
| X0035 | 56.87 | 0.460 | 1.78 | 0.08 | 56.87 | 0.74 | 1.78 | 0.09 |
| X0036 | 60.05 | 0.460 | 1.78 | 0.08 | 60.05 | 0.76 | 1.78 | 0.09 |
| X0037 | 63.22 | 0.460 | 1.78 | 0.08 | 63.22 | 0.78 | 1.78 | 0.09 |
| X0038 | 66.40 | 0.510 | 1.78 | 0.08 | 66.40 | 0.84 | 1.78 | 0.09 |
| X0039 | 69.57 | 0.510 | 1.78 | 0.08 | 69.57 | 0.86 | 1.78 | 0.09 |
| X0040 | 72.75 | 0.510 | 1.78 | 0.08 | 72.75 | 0.87 | 1.78 | 0.09 |
| X0041 | 75.92 | 0.610 | 1.78 | 0.08 | 75.92 | 0.99 | 1.78 | 0.09 |
| X0042 | 82.27 | 0.610 | 1.78 | 0.08 | 82.27 | 1.02 | 1.78 | 0.09 |
| X0043 | 88.62 | 0.610 | 1.78 | 0.08 | 88.62 | 1.05 | 1.78 | 0.09 |
| X0044 | 94.97 | 0.690 | 1.78 | 0.08 | 94.97 | 1.16 | 1.78 | 0.09 |
| X0045 | 101.32 | 0.690 | 1.78 | 0.08 | 101.32 | 1.20 | 1.78 | 0.09 |
| X0046 | 107.67 | 0.760 | 1.78 | 0.08 | 107.67 | 1.300 | 1.78 | 0.09 |
| X0047 | 114.02 | 0.760 | 1.78 | 0.08 | 114.02 | 1.330 | 1.78 | 0.09 |
| X0048 | 120.37 | 0.760 | 1.78 | 0.08 | 120.37 | 1.36 | 1.78 | 0.09 |
| X0049 | 126.72 | 0.940 | 1.78 | 0.08 | 126.72 | 1.57 | 1.78 | 0.09 |
| X0050 | 133.07 | 0.940 | 1.78 | 0.08 | 133.07 | 1.61 | 1.78 | 0.09 |
| X0102 | 1.24 | 0.130 | 2.62 | 0.08 | 1.24 | 0.14 | 2.62 | 0.09 |
| X0103 | 2.06 | 0.130 | 2.62 | 0.08 | 2.06 | 0.14 | 2.62 | 0.09 |
| X0104 | 2.84 | 0.130 | 2.62 | 0.08 | 2.84 | 0.14 | 2.62 | 0.09 |
| X0105 | 3.63 | 0.130 | 2.62 | 0.08 | 3.63 | 0.15 | 2.62 | 0.09 |
| X0106 | 4.42 | 0.130 | 2.62 | 0.08 | 4.42 | 0.15 | 2.62 | 0.09 |
| X0107 | 5.23 | 0.130 | 2.62 | 0.08 | 5.23 | 0.16 | 2.62 | 0.09 |

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|--------------------|------------------------------------|-------|------|------|------------------------------------|-------|------|------|
| | ID | ± | W | ± | ID | ± | W | ± |
| X0108 | 6.02 | 0.130 | 2.62 | 0.08 | 6.02 | 0.16 | 2.62 | 0.09 |
| X0109 | 7.59 | 0.130 | 2.62 | 0.08 | 7.59 | 0.17 | 2.62 | 0.09 |
| X0110 | 9.19 | 0.130 | 2.62 | 0.08 | 9.19 | 0.18 | 2.62 | 0.09 |
| X0111 | 10.77 | 0.130 | 2.62 | 0.08 | 10.77 | 0.18 | 2.62 | 0.09 |
| X0112 | 12.37 | 0.130 | 2.62 | 0.08 | 12.37 | 0.19 | 2.62 | 0.09 |
| X0113 | 13.94 | 0.180 | 2.62 | 0.08 | 13.94 | 0.25 | 2.62 | 0.09 |
| X0114 | 15.54 | 0.230 | 2.62 | 0.08 | 15.54 | 0.31 | 2.62 | 0.09 |
| X0115 | 17.12 | 0.230 | 2.62 | 0.08 | 17.12 | 0.32 | 2.62 | 0.09 |
| X0116 | 18.72 | 0.230 | 2.62 | 0.08 | 18.72 | 0.32 | 2.62 | 0.09 |
| X0117 | 20.30 | 0.250 | 2.62 | 0.08 | 20.30 | 0.35 | 2.62 | 0.09 |
| X0118 | 21.89 | 0.250 | 2.62 | 0.08 | 21.89 | 0.36 | 2.62 | 0.09 |
| X0119 | 23.47 | 0.250 | 2.62 | 0.08 | 23.47 | 0.37 | 2.62 | 0.09 |
| X0120 | 25.07 | 0.250 | 2.62 | 0.08 | 25.07 | 0.38 | 2.62 | 0.09 |
| X0121 | 26.64 | 0.250 | 2.62 | 0.08 | 26.64 | 0.38 | 2.62 | 0.09 |
| X0122 | 28.24 | 0.250 | 2.62 | 0.08 | 28.24 | 0.39 | 2.62 | 0.09 |
| X0123 | 29.82 | 0.300 | 2.62 | 0.08 | 29.82 | 0.45 | 2.62 | 0.09 |
| X0124 | 31.42 | 0.300 | 2.62 | 0.08 | 31.42 | 0.46 | 2.62 | 0.09 |
| X0125 | 32.99 | 0.300 | 2.62 | 0.08 | 32.99 | 0.46 | 2.62 | 0.09 |
| X0126 | 34.59 | 0.300 | 2.62 | 0.08 | 34.59 | 0.47 | 2.62 | 0.09 |
| X0127 | 36.17 | 0.300 | 2.62 | 0.08 | 36.17 | 0.48 | 2.62 | 0.09 |
| X0128 | 37.77 | 0.300 | 2.62 | 0.08 | 37.77 | 0.49 | 2.62 | 0.09 |
| X0129 | 39.34 | 0.380 | 2.62 | 0.08 | 39.34 | 0.58 | 2.62 | 0.09 |
| X0130 | 40.94 | 0.380 | 2.62 | 0.08 | 40.94 | 0.58 | 2.62 | 0.09 |
| X0131 | 42.52 | 0.380 | 2.62 | 0.08 | 42.52 | 0.59 | 2.62 | 0.09 |
| X0132 | 44.12 | 0.380 | 2.62 | 0.08 | 44.12 | 0.60 | 2.62 | 0.09 |
| X0133 | 45.69 | 0.380 | 2.62 | 0.08 | 45.69 | 0.61 | 2.62 | 0.09 |
| X0134 | 47.29 | 0.380 | 2.62 | 0.08 | 47.29 | 0.62 | 2.62 | 0.09 |
| X0135 | 48.90 | 0.430 | 2.62 | 0.08 | 48.90 | 0.67 | 2.62 | 0.09 |
| X0136 | 50.47 | 0.430 | 2.62 | 0.08 | 50.47 | 0.68 | 2.62 | 0.09 |
| X0137 | 52.07 | 0.430 | 2.62 | 0.08 | 52.07 | 0.69 | 2.62 | 0.09 |
| X0138 | 53.64 | 0.430 | 2.62 | 0.08 | 53.64 | 0.70 | 2.62 | 0.09 |
| X0139 | 55.25 | 0.430 | 2.62 | 0.08 | 55.25 | 0.71 | 2.62 | 0.09 |
| X0140 | 56.82 | 0.430 | 2.62 | 0.08 | 56.82 | 0.71 | 2.62 | 0.09 |
| X0141 | 58.42 | 0.510 | 2.62 | 0.08 | 58.42 | 0.800 | 2.62 | 0.09 |
| X0142 | 59.99 | 0.510 | 2.62 | 0.08 | 59.99 | 0.810 | 2.62 | 0.09 |
| X0143 | 61.60 | 0.510 | 2.62 | 0.08 | 61.60 | 0.82 | 2.62 | 0.09 |
| X0144 | 63.17 | 0.510 | 2.62 | 0.08 | 63.17 | 0.83 | 2.62 | 0.09 |
| X0145 | 64.77 | 0.510 | 2.62 | 0.08 | 64.77 | 0.83 | 2.62 | 0.09 |
| X0146 | 66.34 | 0.510 | 2.62 | 0.08 | 66.34 | 0.84 | 2.62 | 0.09 |
| X0147 | 67.95 | 0.560 | 2.62 | 0.08 | 67.95 | 0.90 | 2.62 | 0.09 |
| X0148 | 69.52 | 0.560 | 2.62 | 0.08 | 69.52 | 0.91 | 2.62 | 0.09 |
| X0149 | 71.12 | 0.560 | 2.62 | 0.08 | 71.12 | 0.92 | 2.62 | 0.09 |
| X0150 | 72.69 | 0.560 | 2.62 | 0.08 | 72.69 | 0.92 | 2.62 | 0.09 |
| X0151 | 75.87 | 0.610 | 2.62 | 0.08 | 75.87 | 0.99 | 2.62 | 0.09 |
| X0152 | 82.22 | 0.610 | 2.62 | 0.08 | 82.22 | 1.02 | 2.62 | 0.09 |
| X0153 | 88.57 | 0.610 | 2.62 | 0.08 | 88.57 | 1.05 | 2.62 | 0.09 |
| X0154 | 94.92 | 0.710 | 2.62 | 0.08 | 94.92 | 1.18 | 2.62 | 0.09 |
| X0155 | 101.27 | 0.710 | 2.62 | 0.08 | 101.27 | 1.22 | 2.62 | 0.09 |
| X0156 | 107.62 | 0.760 | 2.62 | 0.08 | 107.62 | 1.30 | 2.62 | 0.09 |
| X0157 | 113.97 | 0.760 | 2.62 | 0.08 | 113.97 | 1.33 | 2.62 | 0.09 |
| X0158 | 120.32 | 0.760 | 2.62 | 0.08 | 120.32 | 1.36 | 2.62 | 0.09 |
| X0159 | 126.67 | 0.890 | 2.62 | 0.08 | 126.67 | 1.52 | 2.62 | 0.09 |
| X0160 | 133.02 | 0.890 | 2.62 | 0.08 | 133.02 | 1.56 | 2.62 | 0.09 |
| X0161 | 139.37 | 0.890 | 2.62 | 0.08 | 139.37 | 1.59 | 2.62 | 0.09 |
| X0162 | 145.72 | 0.890 | 2.62 | 0.08 | 145.72 | 1.62 | 2.62 | 0.09 |

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|--------------------|------------------------------------|-------|------|------|------------------------------------|-------|------|------|
| | ID | ± | W | ± | ID | ± | W | ± |
| X0163 | 152.07 | 0.890 | 2.62 | 0.08 | 152.07 | 1.65 | 2.62 | 0.09 |
| X0164 | 158.42 | 1.020 | 2.62 | 0.08 | 158.42 | 1.81 | 2.62 | 0.09 |
| X0165 | 164.77 | 1.020 | 2.62 | 0.08 | 164.77 | 1.84 | 2.62 | 0.09 |
| X0166 | 171.12 | 1.020 | 2.62 | 0.08 | 171.12 | 1.88 | 2.62 | 0.09 |
| X0167 | 177.47 | 1.020 | 2.62 | 0.08 | 177.47 | 1.91 | 2.62 | 0.09 |
| X0168 | 183.82 | 1.140 | 2.62 | 0.08 | 183.82 | 2.06 | 2.62 | 0.09 |
| X0169 | 190.17 | 1.140 | 2.62 | 0.08 | 190.17 | 2.09 | 2.62 | 0.09 |
| X0170 | 196.52 | 1.140 | 2.62 | 0.08 | 196.52 | 2.12 | 2.62 | 0.09 |
| X0171 | 202.87 | 1.140 | 2.62 | 0.08 | 202.87 | 2.15 | 2.62 | 0.09 |
| X0172 | 209.22 | 1.270 | 2.62 | 0.08 | 209.22 | 2.32 | 2.62 | 0.09 |
| X0173 | 215.57 | 1.270 | 2.62 | 0.08 | 215.57 | 2.35 | 2.62 | 0.09 |
| X0174 | 221.92 | 1.270 | 2.62 | 0.08 | 221.92 | 2.38 | 2.62 | 0.09 |
| X0175 | 228.27 | 1.270 | 2.62 | 0.08 | 228.27 | 2.41 | 2.62 | 0.09 |
| X0176 | 234.62 | 1.400 | 2.62 | 0.08 | 234.62 | 2.57 | 2.62 | 0.09 |
| X0177 | 240.97 | 1.400 | 2.62 | 0.08 | 240.97 | 2.60 | 2.62 | 0.09 |
| X0178 | 247.32 | 1.400 | 2.62 | 0.08 | 247.32 | 2.64 | 2.62 | 0.09 |
| X0201 | 4.34 | 0.130 | 3.53 | 0.10 | 4.34 | 0.15 | 3.53 | 0.12 |
| X0202 | 5.94 | 0.130 | 3.53 | 0.10 | 5.94 | 0.16 | 3.53 | 0.12 |
| X0203 | 7.52 | 0.130 | 3.53 | 0.10 | 7.52 | 0.17 | 3.53 | 0.12 |
| X0204 | 9.12 | 0.130 | 3.53 | 0.10 | 9.12 | 0.18 | 3.53 | 0.12 |
| X0205 | 10.69 | 0.130 | 3.53 | 0.10 | 10.69 | 0.18 | 3.53 | 0.12 |
| X0206 | 12.29 | 0.130 | 3.53 | 0.10 | 12.29 | 0.19 | 3.53 | 0.12 |
| X0207 | 13.87 | 0.180 | 3.53 | 0.10 | 13.87 | 0.250 | 3.53 | 0.12 |
| X0208 | 15.47 | 0.230 | 3.53 | 0.10 | 15.47 | 0.310 | 3.53 | 0.12 |
| X0209 | 17.04 | 0.230 | 3.53 | 0.10 | 17.04 | 0.32 | 3.53 | 0.12 |
| X0210 | 18.64 | 0.250 | 3.53 | 0.10 | 18.64 | 0.34 | 3.53 | 0.12 |
| X0211 | 20.22 | 0.250 | 3.53 | 0.10 | 20.22 | 0.35 | 3.53 | 0.12 |
| X0212 | 21.82 | 0.250 | 3.53 | 0.10 | 21.82 | 0.36 | 3.53 | 0.12 |
| X0213 | 23.39 | 0.250 | 3.53 | 0.10 | 23.39 | 0.37 | 3.53 | 0.12 |
| X0214 | 24.99 | 0.250 | 3.53 | 0.10 | 24.99 | 0.37 | 3.53 | 0.12 |
| X0215 | 26.57 | 0.250 | 3.53 | 0.10 | 26.57 | 0.38 | 3.53 | 0.12 |
| X0216 | 28.17 | 0.300 | 3.53 | 0.10 | 28.17 | 0.44 | 3.53 | 0.12 |
| X0217 | 29.74 | 0.300 | 3.53 | 0.10 | 29.74 | 0.45 | 3.53 | 0.12 |
| X0218 | 31.34 | 0.300 | 3.53 | 0.10 | 31.34 | 0.46 | 3.53 | 0.12 |
| X0219 | 32.92 | 0.300 | 3.53 | 0.10 | 32.92 | 0.46 | 3.53 | 0.12 |
| X0220 | 34.52 | 0.300 | 3.53 | 0.10 | 34.52 | 0.47 | 3.53 | 0.12 |
| X0221 | 36.09 | 0.300 | 3.53 | 0.10 | 36.09 | 0.48 | 3.53 | 0.12 |
| X0222 | 37.69 | 0.380 | 3.53 | 0.10 | 37.69 | 0.57 | 3.53 | 0.12 |
| X0223 | 40.87 | 0.380 | 3.53 | 0.10 | 40.87 | 0.58 | 3.53 | 0.12 |
| X0224 | 44.04 | 0.380 | 3.53 | 0.10 | 44.04 | 0.60 | 3.53 | 0.12 |
| X0225 | 47.22 | 0.460 | 3.53 | 0.10 | 47.22 | 0.70 | 3.53 | 0.12 |
| X0226 | 50.39 | 0.460 | 3.53 | 0.10 | 50.39 | 0.71 | 3.53 | 0.12 |
| X0227 | 53.57 | 0.460 | 3.53 | 0.10 | 53.57 | 0.73 | 3.53 | 0.12 |
| X0228 | 56.74 | 0.510 | 3.53 | 0.10 | 56.74 | 0.79 | 3.53 | 0.12 |
| X0229 | 59.92 | 0.510 | 3.53 | 0.10 | 59.92 | 0.81 | 3.53 | 0.12 |
| X0230 | 63.09 | 0.510 | 3.53 | 0.10 | 63.09 | 0.83 | 3.53 | 0.12 |
| X0231 | 66.27 | 0.510 | 3.53 | 0.10 | 66.27 | 0.84 | 3.53 | 0.12 |
| X0232 | 69.44 | 0.610 | 3.53 | 0.10 | 69.44 | 0.96 | 3.53 | 0.12 |
| X0233 | 72.62 | 0.610 | 3.53 | 0.10 | 72.62 | 0.97 | 3.53 | 0.12 |
| X0234 | 75.79 | 0.610 | 3.53 | 0.10 | 75.79 | 0.99 | 3.53 | 0.12 |
| X0235 | 78.97 | 0.610 | 3.53 | 0.10 | 78.97 | 1.00 | 3.53 | 0.12 |
| X0236 | 82.14 | 0.610 | 3.53 | 0.10 | 82.14 | 1.02 | 3.53 | 0.12 |
| X0237 | 85.32 | 0.610 | 3.53 | 0.10 | 85.32 | 1.04 | 3.53 | 0.12 |
| X0238 | 88.49 | 0.610 | 3.53 | 0.10 | 88.49 | 1.05 | 3.53 | 0.12 |
| X0239 | 91.67 | 0.710 | 3.53 | 0.10 | 91.67 | 1.17 | 3.53 | 0.12 |

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|--------------------|------------------------------------|-------|------|------|------------------------------------|-------|------|------|
| | ID | ± | W | ± | ID | ± | W | ± |
| X0240 | 94.84 | 0.710 | 3.53 | 0.10 | 94.84 | 1.18 | 3.53 | 0.12 |
| X0241 | 98.02 | 0.710 | 3.53 | 0.10 | 98.02 | 1.20 | 3.53 | 0.12 |
| X0242 | 101.19 | 0.710 | 3.53 | 0.10 | 101.19 | 1.22 | 3.53 | 0.12 |
| X0243 | 104.37 | 0.710 | 3.53 | 0.10 | 104.37 | 1.23 | 3.53 | 0.12 |
| X0244 | 107.54 | 0.760 | 3.53 | 0.10 | 107.54 | 1.30 | 3.53 | 0.12 |
| X0245 | 110.72 | 0.760 | 3.53 | 0.10 | 110.72 | 1.31 | 3.53 | 0.12 |
| X0246 | 113.89 | 0.760 | 3.53 | 0.10 | 113.89 | 1.33 | 3.53 | 0.12 |
| X0247 | 117.07 | 0.760 | 3.53 | 0.10 | 117.07 | 1.35 | 3.53 | 0.12 |
| X0248 | 120.24 | 0.760 | 3.53 | 0.10 | 120.24 | 1.36 | 3.53 | 0.12 |
| X0249 | 123.42 | 0.890 | 3.53 | 0.10 | 123.42 | 1.51 | 3.53 | 0.12 |
| X0250 | 126.59 | 0.890 | 3.53 | 0.10 | 126.59 | 1.52 | 3.53 | 0.12 |
| X0251 | 129.77 | 0.890 | 3.53 | 0.10 | 129.77 | 1.540 | 3.53 | 0.12 |
| X0252 | 132.94 | 0.890 | 3.53 | 0.10 | 132.94 | 1.550 | 3.53 | 0.12 |
| X0253 | 136.12 | 0.890 | 3.53 | 0.10 | 136.12 | 1.57 | 3.53 | 0.12 |
| X0254 | 139.29 | 0.890 | 3.53 | 0.10 | 139.29 | 1.59 | 3.53 | 0.12 |
| X0255 | 142.47 | 0.890 | 3.53 | 0.10 | 142.47 | 1.60 | 3.53 | 0.12 |
| X0256 | 145.64 | 0.890 | 3.53 | 0.10 | 145.64 | 1.62 | 3.53 | 0.12 |
| X0257 | 148.82 | 0.890 | 3.53 | 0.10 | 148.82 | 1.63 | 3.53 | 0.12 |
| X0258 | 151.99 | 0.890 | 3.53 | 0.10 | 151.99 | 1.65 | 3.53 | 0.12 |
| X0259 | 158.34 | 1.020 | 3.53 | 0.10 | 158.34 | 1.81 | 3.53 | 0.12 |
| X0260 | 164.69 | 1.020 | 3.53 | 0.10 | 164.69 | 1.84 | 3.53 | 0.12 |
| X0261 | 171.04 | 1.020 | 3.53 | 0.10 | 171.04 | 1.88 | 3.53 | 0.12 |
| X0262 | 177.39 | 1.020 | 3.53 | 0.10 | 177.39 | 1.91 | 3.53 | 0.12 |
| X0263 | 183.74 | 1.140 | 3.53 | 0.10 | 183.74 | 2.06 | 3.53 | 0.12 |
| X0264 | 190.09 | 1.140 | 3.53 | 0.10 | 190.09 | 2.09 | 3.53 | 0.12 |
| X0265 | 196.44 | 1.140 | 3.53 | 0.10 | 196.44 | 2.12 | 3.53 | 0.12 |
| X0266 | 202.79 | 1.140 | 3.53 | 0.10 | 202.79 | 2.15 | 3.53 | 0.12 |
| X0267 | 209.14 | 1.270 | 3.53 | 0.10 | 209.14 | 2.32 | 3.53 | 0.12 |
| X0268 | 215.49 | 1.270 | 3.53 | 0.10 | 215.49 | 2.35 | 3.53 | 0.12 |
| X0269 | 221.84 | 1.270 | 3.53 | 0.10 | 221.84 | 2.38 | 3.53 | 0.12 |
| X0270 | 228.19 | 1.270 | 3.53 | 0.10 | 228.19 | 2.41 | 3.53 | 0.12 |
| X0271 | 234.54 | 1.400 | 3.53 | 0.10 | 234.54 | 2.57 | 3.53 | 0.12 |
| X0272 | 240.89 | 1.400 | 3.53 | 0.10 | 240.89 | 2.60 | 3.53 | 0.12 |
| X0273 | 247.24 | 1.400 | 3.53 | 0.10 | 247.24 | 2.64 | 3.53 | 0.12 |
| X0274 | 253.59 | 1.400 | 3.53 | 0.10 | 253.59 | 2.67 | 3.53 | 0.12 |
| X0275 | 266.29 | 1.400 | 3.53 | 0.10 | 266.29 | 2.73 | 3.53 | 0.12 |
| X0276 | 278.99 | 1.650 | 3.53 | 0.10 | 278.99 | 3.04 | 3.53 | 0.12 |
| X0277 | 291.69 | 1.650 | 3.53 | 0.10 | 291.69 | 3.11 | 3.53 | 0.12 |
| X0278 | 304.39 | 1.650 | 3.53 | 0.10 | 304.39 | 3.17 | 3.53 | 0.12 |
| X0279 | 329.79 | 1.650 | 3.53 | 0.10 | 329.79 | 3.30 | 3.53 | 0.12 |
| X0280 | 355.19 | 1.650 | 3.53 | 0.10 | 355.19 | 3.43 | 3.53 | 0.12 |
| X0281 | 380.59 | 1.650 | 3.53 | 0.10 | 380.59 | 3.55 | 3.53 | 0.12 |
| X0282 | 405.26 | 1.910 | 3.53 | 0.10 | 405.26 | 3.94 | 3.53 | 0.12 |
| X0283 | 430.66 | 2.030 | 3.53 | 0.10 | 430.66 | 4.18 | 3.53 | 0.12 |
| X0284 | 456.06 | 2.160 | 3.53 | 0.10 | 456.06 | 4.44 | 3.53 | 0.12 |
| X0309 | 10.46 | 0.130 | 5.33 | 0.13 | 10.46 | 0.18 | 5.33 | 0.16 |
| X0310 | 12.07 | 0.130 | 5.33 | 0.13 | 12.07 | 0.19 | 5.33 | 0.16 |
| X0311 | 13.64 | 0.180 | 5.33 | 0.13 | 13.64 | 0.25 | 5.33 | 0.16 |
| X0312 | 15.24 | 0.230 | 5.33 | 0.13 | 15.24 | 0.31 | 5.33 | 0.16 |
| X0313 | 16.81 | 0.230 | 5.33 | 0.13 | 16.81 | 0.31 | 5.33 | 0.16 |
| X0314 | 18.42 | 0.250 | 5.33 | 0.13 | 18.42 | 0.34 | 5.33 | 0.16 |
| X0315 | 19.99 | 0.250 | 5.33 | 0.13 | 19.99 | 0.35 | 5.33 | 0.16 |
| X0316 | 21.59 | 0.250 | 5.33 | 0.13 | 21.59 | 0.36 | 5.33 | 0.16 |
| X0317 | 23.16 | 0.250 | 5.33 | 0.13 | 23.16 | 0.37 | 5.33 | 0.16 |
| X0318 | 24.77 | 0.250 | 5.33 | 0.13 | 24.77 | 0.37 | 5.33 | 0.16 |

X-Ring Standard Size

X-Ring Standard Size

| JIS B 2401 SIZE | MEASUREMENTS IN MILLIMETERS NBR 70 | | | | MEASUREMENTS IN MILLIMETERS FKM 70 | | | |
|--------------------|------------------------------------|-------|------|------|------------------------------------|-------|------|------|
| | ID | ± | W | ± | ID | ± | W | ± |
| X0319 | 26.34 | 0.250 | 5.33 | 0.13 | 26.34 | 0.380 | 5.33 | 0.16 |
| X0320 | 27.94 | 0.300 | 5.33 | 0.13 | 27.94 | 0.440 | 5.33 | 0.16 |
| X0321 | 29.51 | 0.300 | 5.33 | 0.13 | 29.51 | 0.45 | 5.33 | 0.16 |
| X0322 | 31.12 | 0.300 | 5.33 | 0.13 | 31.12 | 0.46 | 5.33 | 0.16 |
| X0323 | 32.69 | 0.300 | 5.33 | 0.13 | 32.69 | 0.46 | 5.33 | 0.16 |
| X0324 | 34.29 | 0.300 | 5.33 | 0.13 | 34.29 | 0.47 | 5.33 | 0.16 |
| X0325 | 37.47 | 0.380 | 5.33 | 0.13 | 37.47 | 0.57 | 5.33 | 0.16 |
| X0326 | 40.64 | 0.380 | 5.33 | 0.13 | 40.64 | 0.58 | 5.33 | 0.16 |
| X0327 | 43.82 | 0.380 | 5.33 | 0.13 | 43.82 | 0.60 | 5.33 | 0.16 |
| X0328 | 46.99 | 0.380 | 5.33 | 0.13 | 46.99 | 0.61 | 5.33 | 0.16 |
| X0329 | 50.17 | 0.460 | 5.33 | 0.13 | 50.17 | 0.71 | 5.33 | 0.16 |
| X0330 | 53.34 | 0.460 | 5.33 | 0.13 | 53.34 | 0.73 | 5.33 | 0.16 |
| X0331 | 56.52 | 0.460 | 5.33 | 0.13 | 56.52 | 0.74 | 5.33 | 0.16 |
| X0332 | 59.69 | 0.460 | 5.33 | 0.13 | 59.69 | 0.76 | 5.33 | 0.16 |
| X0333 | 62.87 | 0.510 | 5.33 | 0.13 | 62.87 | 0.82 | 5.33 | 0.16 |
| X0334 | 66.04 | 0.510 | 5.33 | 0.13 | 66.04 | 0.84 | 5.33 | 0.16 |
| X0335 | 69.22 | 0.510 | 5.33 | 0.13 | 69.22 | 0.86 | 5.33 | 0.16 |
| X0336 | 72.39 | 0.510 | 5.33 | 0.13 | 72.39 | 0.87 | 5.33 | 0.16 |
| X0337 | 75.57 | 0.610 | 5.33 | 0.13 | 75.57 | 0.99 | 5.33 | 0.16 |
| X0338 | 78.74 | 0.610 | 5.33 | 0.13 | 78.74 | 1.00 | 5.33 | 0.16 |
| X0339 | 81.92 | 0.610 | 5.33 | 0.13 | 81.92 | 1.02 | 5.33 | 0.16 |
| X0340 | 85.09 | 0.610 | 5.33 | 0.13 | 85.09 | 1.04 | 5.33 | 0.16 |
| X0341 | 88.27 | 0.610 | 5.33 | 0.13 | 88.27 | 1.05 | 5.33 | 0.16 |
| X0342 | 91.44 | 0.710 | 5.33 | 0.13 | 91.44 | 1.17 | 5.33 | 0.16 |
| X0343 | 94.62 | 0.710 | 5.33 | 0.13 | 94.62 | 1.18 | 5.33 | 0.16 |
| X0344 | 97.79 | 0.710 | 5.33 | 0.13 | 97.79 | 1.20 | 5.33 | 0.16 |
| X0345 | 100.97 | 0.710 | 5.33 | 0.13 | 100.97 | 1.21 | 5.33 | 0.16 |
| X0346 | 104.14 | 0.710 | 5.33 | 0.13 | 104.14 | 1.23 | 5.33 | 0.16 |
| X0347 | 107.32 | 0.760 | 5.33 | 0.13 | 107.32 | 1.30 | 5.33 | 0.16 |
| X0348 | 110.49 | 0.760 | 5.33 | 0.13 | 110.49 | 1.31 | 5.33 | 0.16 |
| X0349 | 113.67 | 0.760 | 5.33 | 0.13 | 113.67 | 1.33 | 5.33 | 0.16 |
| X0350 | 116.84 | 0.760 | 5.33 | 0.13 | 116.84 | 1.34 | 5.33 | 0.16 |
| X0351 | 120.02 | 0.760 | 5.33 | 0.13 | 120.02 | 1.36 | 5.33 | 0.16 |
| X0352 | 123.19 | 0.760 | 5.33 | 0.13 | 123.19 | 1.38 | 5.33 | 0.16 |
| X0353 | 126.37 | 0.940 | 5.33 | 0.13 | 126.37 | 1.57 | 5.33 | 0.16 |
| X0354 | 129.54 | 0.940 | 5.33 | 0.13 | 129.54 | 1.59 | 5.33 | 0.16 |
| X0355 | 132.72 | 0.940 | 5.33 | 0.13 | 132.72 | 1.60 | 5.33 | 0.16 |
| X0356 | 135.89 | 0.940 | 5.33 | 0.13 | 135.89 | 1.62 | 5.33 | 0.16 |
| X0357 | 139.07 | 0.940 | 5.33 | 0.13 | 139.07 | 1.64 | 5.33 | 0.16 |
| X0358 | 142.24 | 0.940 | 5.33 | 0.13 | 142.24 | 1.65 | 5.33 | 0.16 |
| X0359 | 145.42 | 0.940 | 5.33 | 0.13 | 145.42 | 1.67 | 5.33 | 0.16 |
| X0360 | 148.59 | 0.940 | 5.33 | 0.13 | 148.59 | 1.68 | 5.33 | 0.16 |
| X0361 | 151.77 | 0.940 | 5.33 | 0.13 | 151.77 | 1.70 | 5.33 | 0.16 |
| X0362 | 158.12 | 1.020 | 5.33 | 0.13 | 158.12 | 1.81 | 5.33 | 0.16 |
| X0363 | 164.47 | 1.020 | 5.33 | 0.13 | 164.47 | 1.840 | 5.33 | 0.16 |
| X0364 | 170.82 | 1.020 | 5.33 | 0.13 | 170.82 | 1.870 | 5.33 | 0.16 |
| X0365 | 177.17 | 1.020 | 5.33 | 0.13 | 177.17 | 1.91 | 5.33 | 0.16 |
| X0366 | 183.52 | 1.140 | 5.33 | 0.13 | 183.52 | 2.06 | 5.33 | 0.16 |
| X0367 | 189.87 | 1.140 | 5.33 | 0.13 | 189.87 | 2.09 | 5.33 | 0.16 |
| X0368 | 196.22 | 1.140 | 5.33 | 0.13 | 196.22 | 2.12 | 5.33 | 0.16 |
| X0369 | 202.57 | 1.140 | 5.33 | 0.13 | 202.57 | 2.15 | 5.33 | 0.16 |
| X0370 | 208.92 | 1.270 | 5.33 | 0.13 | 208.92 | 2.31 | 5.33 | 0.16 |
| X0371 | 215.27 | 1.270 | 5.33 | 0.13 | 215.27 | 2.35 | 5.33 | 0.16 |
| X0372 | 221.62 | 1.270 | 5.33 | 0.13 | 221.62 | 2.38 | 5.33 | 0.16 |
| X0373 | 227.97 | 1.270 | 5.33 | 0.13 | 227.97 | 2.41 | 5.33 | 0.16 |

X-Ring Standard Size

X-Ring Standard Size

| JIS B 2401 SIZE | MEASUREMENTS IN MILLIMETERS NBR 70 | | | | MEASUREMENTS IN MILLIMETERS FKM 70 | | | |
|--------------------|------------------------------------|-------|------|------|------------------------------------|-------|------|------|
| | ID | ± | W | ± | ID | ± | W | ± |
| X0374 | 234.32 | 1.400 | 5.33 | 0.13 | 234.32 | 2.57 | 5.33 | 0.16 |
| X0375 | 240.67 | 1.400 | 5.33 | 0.13 | 240.67 | 2.60 | 5.33 | 0.16 |
| X0376 | 247.02 | 1.400 | 5.33 | 0.13 | 247.02 | 2.64 | 5.33 | 0.16 |
| X0377 | 253.37 | 1.400 | 5.33 | 0.13 | 253.37 | 2.67 | 5.33 | 0.16 |
| X0378 | 266.07 | 1.520 | 5.33 | 0.13 | 266.07 | 2.85 | 5.33 | 0.16 |
| X0379 | 278.77 | 1.520 | 5.33 | 0.13 | 278.77 | 2.91 | 5.33 | 0.16 |
| X0380 | 291.47 | 1.650 | 5.33 | 0.13 | 291.47 | 3.11 | 5.33 | 0.16 |
| X0381 | 304.17 | 1.650 | 5.33 | 0.13 | 304.17 | 3.17 | 5.33 | 0.16 |
| X0382 | 329.57 | 1.650 | 5.33 | 0.13 | 329.57 | 3.30 | 5.33 | 0.16 |
| X0383 | 354.97 | 1.780 | 5.33 | 0.13 | 354.97 | 3.55 | 5.33 | 0.16 |
| X0384 | 380.37 | 1.780 | 5.33 | 0.13 | 380.37 | 3.68 | 5.33 | 0.16 |
| X0385 | 405.26 | 1.910 | 5.33 | 0.13 | 405.26 | 3.94 | 5.33 | 0.16 |
| X0386 | 430.66 | 2.030 | 5.33 | 0.13 | 430.66 | 4.18 | 5.33 | 0.16 |
| X0387 | 456.06 | 2.160 | 5.33 | 0.13 | 456.06 | 4.44 | 5.33 | 0.16 |
| X0388 | 481.41 | 2.290 | 5.33 | 0.13 | 481.41 | 4.70 | 5.33 | 0.16 |
| X0389 | 506.81 | 2.410 | 5.33 | 0.13 | 506.81 | 4.94 | 5.33 | 0.16 |
| X0390 | 532.21 | 2.410 | 5.33 | 0.13 | 532.21 | 5.07 | 5.33 | 0.16 |
| X0391 | 557.61 | 2.540 | 5.33 | 0.13 | 557.61 | 5.33 | 5.33 | 0.16 |
| X0392 | 582.68 | 2.670 | 5.33 | 0.13 | 582.68 | 5.58 | 5.33 | 0.16 |
| X0393 | 608.08 | 2.790 | 5.33 | 0.13 | 608.08 | 5.83 | 5.33 | 0.16 |
| X0394 | 633.48 | 2.920 | 5.33 | 0.13 | 633.48 | 6.09 | 5.33 | 0.16 |
| X0395 | 658.88 | 3.050 | 5.33 | 0.13 | 658.88 | 6.34 | 5.33 | 0.16 |
| X0425 | 113.67 | 0.840 | 6.99 | 0.15 | 113.67 | 1.41 | 6.99 | 0.18 |
| X0426 | 116.84 | 0.840 | 6.99 | 0.15 | 116.84 | 1.42 | 6.99 | 0.18 |
| X0427 | 120.02 | 0.840 | 6.99 | 0.15 | 120.02 | 1.44 | 6.99 | 0.18 |
| X0428 | 123.19 | 0.840 | 6.99 | 0.15 | 123.19 | 1.46 | 6.99 | 0.18 |
| X0429 | 126.37 | 0.940 | 6.99 | 0.15 | 126.37 | 1.57 | 6.99 | 0.18 |
| X0430 | 129.54 | 0.940 | 6.99 | 0.15 | 129.54 | 1.59 | 6.99 | 0.18 |
| X0431 | 132.72 | 0.940 | 6.99 | 0.15 | 132.72 | 1.60 | 6.99 | 0.18 |
| X0432 | 135.89 | 0.940 | 6.99 | 0.15 | 135.89 | 1.62 | 6.99 | 0.18 |
| X0433 | 139.07 | 0.940 | 6.99 | 0.15 | 139.07 | 1.64 | 6.99 | 0.18 |
| X0434 | 142.24 | 0.940 | 6.99 | 0.15 | 142.24 | 1.65 | 6.99 | 0.18 |
| X0435 | 145.42 | 0.940 | 6.99 | 0.15 | 145.42 | 1.67 | 6.99 | 0.18 |
| X0436 | 148.59 | 0.940 | 6.99 | 0.15 | 148.59 | 1.680 | 6.99 | 0.18 |
| X0437 | 151.77 | 0.940 | 6.99 | 0.15 | 151.77 | 1.700 | 6.99 | 0.18 |
| X0438 | 158.12 | 1.020 | 6.99 | 0.15 | 158.12 | 1.81 | 6.99 | 0.18 |
| X0439 | 164.47 | 1.020 | 6.99 | 0.15 | 164.47 | 1.84 | 6.99 | 0.18 |
| X0440 | 170.82 | 1.020 | 6.99 | 0.15 | 170.82 | 1.87 | 6.99 | 0.18 |
| X0441 | 177.17 | 1.020 | 6.99 | 0.15 | 177.17 | 1.91 | 6.99 | 0.18 |
| X0442 | 183.52 | 1.140 | 6.99 | 0.15 | 183.52 | 2.06 | 6.99 | 0.18 |
| X0443 | 189.87 | 1.140 | 6.99 | 0.15 | 189.87 | 2.09 | 6.99 | 0.18 |
| X0444 | 196.22 | 1.140 | 6.99 | 0.15 | 196.22 | 2.12 | 6.99 | 0.18 |
| X0445 | 202.57 | 1.140 | 6.99 | 0.15 | 202.57 | 2.15 | 6.99 | 0.18 |
| X0446 | 215.27 | 1.400 | 6.99 | 0.15 | 215.27 | 2.48 | 6.99 | 0.18 |
| X0447 | 227.97 | 1.400 | 6.99 | 0.15 | 227.97 | 2.54 | 6.99 | 0.18 |
| X0448 | 240.67 | 1.400 | 6.99 | 0.15 | 240.67 | 2.60 | 6.99 | 0.18 |
| X0449 | 253.37 | 1.400 | 6.99 | 0.15 | 253.37 | 2.67 | 6.99 | 0.18 |
| X0450 | 266.07 | 1.520 | 6.99 | 0.15 | 266.07 | 2.85 | 6.99 | 0.18 |
| X0451 | 278.77 | 1.520 | 6.99 | 0.15 | 278.77 | 2.91 | 6.99 | 0.18 |
| X0452 | 291.47 | 1.520 | 6.99 | 0.15 | 291.47 | 2.98 | 6.99 | 0.18 |
| X0453 | 304.17 | 1.520 | 6.99 | 0.15 | 304.17 | 3.04 | 6.99 | 0.18 |
| X0454 | 316.87 | 1.520 | 6.99 | 0.15 | 316.87 | 3.10 | 6.99 | 0.18 |
| X0455 | 329.57 | 1.520 | 6.99 | 0.15 | 329.57 | 3.17 | 6.99 | 0.18 |
| X0456 | 342.27 | 1.780 | 6.99 | 0.15 | 342.27 | 3.49 | 6.99 | 0.18 |
| X0457 | 354.97 | 1.780 | 6.99 | 0.15 | 354.97 | 3.55 | 6.99 | 0.18 |

X-Ring Standard Size

X-Ring Standard Size

| JIS B 2401 SIZE | MEASUREMENTS IN MILLIMETERS NBR 70 | | | | MEASUREMENTS IN MILLIMETERS FKM 70 | | | |
|--------------------|------------------------------------|-------|------|------|------------------------------------|------|------|------|
| | ID | ± | W | ± | ID | ± | W | ± |
| X0458 | 367.67 | 1.780 | 6.99 | 0.15 | 367.67 | 3.62 | 6.99 | 0.18 |
| X0459 | 380.37 | 1.780 | 6.99 | 0.15 | 380.37 | 3.68 | 6.99 | 0.18 |
| X0460 | 393.07 | 1.780 | 6.99 | 0.15 | 393.07 | 3.75 | 6.99 | 0.18 |
| X0461 | 405.26 | 1.910 | 6.99 | 0.15 | 405.26 | 3.94 | 6.99 | 0.18 |
| X0462 | 417.96 | 1.910 | 6.99 | 0.15 | 417.96 | 4.00 | 6.99 | 0.18 |
| X0463 | 430.66 | 2.030 | 6.99 | 0.15 | 430.66 | 4.18 | 6.99 | 0.18 |
| X0464 | 443.36 | 2.160 | 6.99 | 0.15 | 443.36 | 4.38 | 6.99 | 0.18 |
| X0465 | 456.06 | 2.160 | 6.99 | 0.15 | 456.06 | 4.44 | 6.99 | 0.18 |
| X0466 | 468.76 | 2.160 | 6.99 | 0.15 | 468.76 | 4.50 | 6.99 | 0.18 |
| X0467 | 481.46 | 2.290 | 6.99 | 0.15 | 481.46 | 4.70 | 6.99 | 0.18 |
| X0468 | 494.16 | 2.290 | 6.99 | 0.15 | 494.16 | 4.76 | 6.99 | 0.18 |
| X0469 | 506.86 | 2.410 | 6.99 | 0.15 | 506.86 | 4.94 | 6.99 | 0.18 |
| X0470 | 532.26 | 2.410 | 6.99 | 0.15 | 532.26 | 5.07 | 6.99 | 0.18 |
| X0471 | 557.66 | 2.540 | 6.99 | 0.15 | 557.66 | 5.33 | 6.99 | 0.18 |
| X0472 | 582.68 | 2.670 | 6.99 | 0.15 | 582.68 | 5.58 | 6.99 | 0.18 |
| X0473 | 608.08 | 2.790 | 6.99 | 0.15 | 608.08 | 5.83 | 6.99 | 0.18 |
| X0474 | 633.48 | 2.920 | 6.99 | 0.15 | 633.48 | 6.09 | 6.99 | 0.18 |
| X0475 | 658.88 | 3.050 | 6.99 | 0.15 | 658.88 | 6.34 | 6.99 | 0.18 |