



MIDPOINT BEARING®

“KNOWLEDGE THROUGH EXPERIENCE”®

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ELECTRIC MOTOR SHAFT AND HOUSING FITS

NU, NJ, N, 200 SERIES • SHAFT & HOUSING RECOMMENDED FITTING

| Bearing Part Number | Bearing Bore (mm) | Fit | Shaft Diameter (inches) | | Outer Diameter (mm) | Fit | Housing Bore (inches) | |
|---------------------|-------------------|-----|-------------------------|---------|---------------------|-----|-----------------------|---------|
| | | | Minimum | Maximum | | | Minimum | Maximum |
| 204 | 20 | k5 | 0.7875 | 0.7878 | 47 | H6 | 1.8504 | 1.8510 |
| 205 | 25 | k5 | 0.9843 | 0.9847 | 52 | H6 | 2.0472 | 2.0480 |
| 206 | 30 | k5 | 1.1812 | 1.1815 | 62 | H6 | 2.4409 | 2.4417 |
| 207 | 35 | k5 | 1.3780 | 1.3785 | 72 | H6 | 2.8346 | 2.8354 |
| 208 | 40 | k5 | 1.5749 | 1.5753 | 80 | H6 | 3.1496 | 3.1504 |
| 209 | 45 | m5 | 1.7720 | 1.7724 | 85 | H6 | 3.3465 | 3.3473 |
| 210 | 50 | m5 | 1.9689 | 1.9693 | 90 | H6 | 3.5433 | 3.5442 |
| 211 | 55 | m5 | 2.1658 | 2.1663 | 100 | H6 | 3.9370 | 3.9379 |
| 212 | 60 | m5 | 2.3626 | 2.3631 | 110 | H6 | 4.3307 | 4.3316 |
| 213 | 65 | m5 | 2.5595 | 2.5600 | 120 | H6 | 4.7244 | 4.7253 |
| 214 | 70 | m5 | 2.7563 | 2.7569 | 125 | H6 | 4.9213 | 4.9222 |
| 215 | 75 | m5 | 2.9532 | 2.9537 | 130 | H6 | 5.1181 | 5.1191 |
| 216 | 80 | m5 | 3.1500 | 3.1506 | 140 | H6 | 5.5118 | 5.5128 |
| 217 | 85 | m5 | 3.3470 | 3.3476 | 150 | H6 | 5.9055 | 5.9065 |
| 218 | 90 | m5 | 3.5438 | 3.5444 | 160 | H6 | 6.2992 | 6.3002 |
| 219 | 95 | m5 | 3.7407 | 3.7413 | 170 | H6 | 6.6929 | 6.6939 |
| 220 | 100 | m5 | 3.9375 | 3.9381 | 180 | H6 | 7.0866 | 7.0876 |
| 221 | 105 | m6 | 4.1344 | 4.1352 | 190 | H6 | 7.4803 | 7.4815 |
| 222 | 110 | m6 | 4.3312 | 4.3321 | 200 | H6 | 7.8740 | 7.8752 |
| 224 | 120 | m6 | 4.7249 | 4.7258 | 215 | H6 | 8.4646 | 8.4657 |
| 226 | 130 | m6 | 5.1187 | 5.1197 | 230 | H6 | 9.0551 | 9.0563 |
| 228 | 140 | m6 | 5.5124 | 5.5134 | 250 | H6 | 9.8425 | 9.8437 |
| 230 | 150 | n6 | 5.9066 | 5.9076 | 270 | H6 | 10.6299 | 10.6312 |
| 232 | 160 | n6 | 6.3003 | 6.3013 | 290 | H6 | 11.4173 | 11.4186 |
| 234 | 170 | n6 | 6.6940 | 6.6950 | 310 | H6 | 12.2047 | 12.2060 |
| 236 | 180 | n6 | 7.0877 | 7.0887 | 320 | H6 | 12.5984 | 12.5998 |
| 238 | 190 | n6 | 7.4815 | 7.4827 | 340 | H6 | 13.3858 | 13.3872 |
| 240 | 200 | n6 | 7.8752 | 7.8764 | 360 | H6 | 14.1732 | 14.1746 |

NU, NJ, N, 300 SERIES • SHAFT & HOUSING RECOMMENDED FITTING

| Bearing Part Number | Bearing Bore (mm) | Fit | Shaft Diameter (inches) | | Outer Diameter (mm) | Fit | Housing Bore (inches) | |
|---------------------|-------------------|-----|-------------------------|---------|---------------------|-----|-----------------------|---------|
| | | | Minimum | Maximum | | | Minimum | Maximum |
| 304 | 20 | k5 | 0.7875 | 0.7878 | 52 | H6 | 2.0472 | 2.0480 |
| 305 | 25 | k5 | 0.9843 | 0.9847 | 62 | H6 | 2.4409 | 2.4417 |
| 306 | 30 | k5 | 1.1812 | 1.1815 | 72 | H6 | 2.8346 | 2.8354 |
| 307 | 35 | k5 | 1.3780 | 1.3785 | 80 | H6 | 3.1496 | 3.1504 |
| 308 | 40 | k5 | 1.5749 | 1.5753 | 90 | H6 | 3.5433 | 3.5442 |
| 309 | 45 | m5 | 1.7720 | 1.7724 | 100 | H6 | 3.9370 | 3.9379 |
| 310 | 50 | m5 | 1.9689 | 1.9693 | 110 | H6 | 4.3307 | 4.3316 |
| 311 | 55 | m5 | 2.1658 | 2.1663 | 120 | H6 | 4.7244 | 4.7253 |
| 312 | 60 | m5 | 2.3626 | 2.3631 | 130 | H6 | 5.1181 | 5.1191 |
| 313 | 65 | m5 | 2.5595 | 2.5600 | 140 | H6 | 5.5118 | 5.5128 |
| 314 | 70 | m5 | 2.7563 | 2.7569 | 150 | H6 | 5.9055 | 5.9065 |
| 315 | 75 | m5 | 2.9532 | 2.9537 | 160 | H6 | 6.2992 | 6.3002 |
| 316 | 80 | m5 | 3.1500 | 3.1506 | 170 | H6 | 6.6929 | 6.6939 |
| 317 | 85 | m5 | 3.3470 | 3.3476 | 180 | H6 | 7.0866 | 7.0876 |
| 318 | 90 | m5 | 3.5438 | 3.5444 | 190 | H6 | 7.4803 | 7.4815 |
| 319 | 95 | m5 | 3.7407 | 3.7413 | 200 | H6 | 7.8740 | 7.8752 |
| 320 | 100 | m5 | 3.9375 | 3.9381 | 215 | H6 | 8.4646 | 8.4657 |
| 321 | 105 | m6 | 4.1344 | 4.1352 | 225 | H6 | 8.8583 | 8.8594 |
| 322 | 110 | m6 | 4.3312 | 4.3321 | 240 | H6 | 9.4488 | 9.4500 |
| 324 | 120 | m6 | 4.7249 | 4.7258 | 260 | H6 | 10.2362 | 10.2375 |
| 326 | 130 | m6 | 5.1187 | 5.1197 | 280 | H6 | 11.0236 | 11.0249 |
| 328 | 140 | m6 | 5.5124 | 5.5134 | 300 | H6 | 11.8110 | 11.8123 |
| 330 | 150 | n6 | 5.9066 | 5.9076 | 320 | H6 | 12.5984 | 12.5998 |
| 332 | 160 | n6 | 6.3003 | 6.3013 | 340 | H6 | 13.3858 | 13.3872 |
| 334 | 170 | n6 | 6.6940 | 6.6950 | 360 | H6 | 14.1732 | 14.1746 |
| 336 | 180 | n6 | 7.0877 | 7.0887 | 380 | H6 | 14.9606 | 14.9620 |
| 338 | 190 | n6 | 7.4815 | 7.4827 | 400 | H6 | 15.7480 | 15.7494 |
| 340 | 200 | n6 | 7.8752 | 7.8764 | 420 | H6 | 16.5354 | 16.5370 |

Above figures are based on bearings with “C3” internal clearance.

Always confirm that bearing internal clearance is correct before repairing or modifying shaft and housing dimensions.

Although care has been taken in producing this information Midpoint Bearing will not be liable for any errors or omissions.

Information provided compliments of Koyo Corp. USA

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