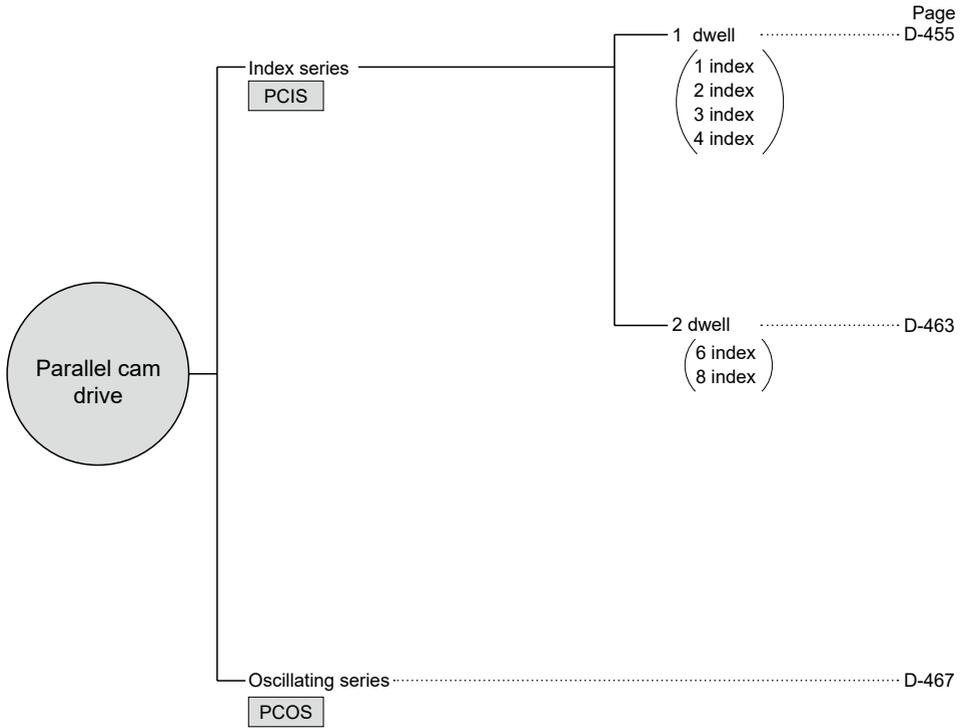


Output torque table

● How to read a torque table

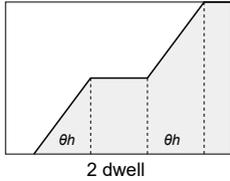
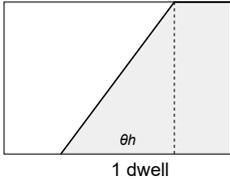
| | | | | |
|------------------------|------------------------------------|-------|----------|---------|
| Option | | | | |
| Linear | Circular Pico and Pico drive | | | |
| Parallel cam drive | | | | |
| Basic | Wide angle | Table | Standard | Compact |
| Roller gear cam drive | | | | |
| Product specifications | | | | |



Cautions

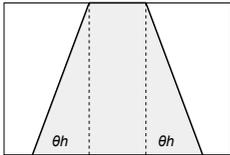
1. The output torque data is summarized as in the table on the left.
2. The index angle indicates the total index angle of 1 rotation of the input shaft.
3. The data is based on standard service life of 10,000 hours.

Index series



1 dwell 1 to 4 index
 2 dwell 6 or 8 index

Oscillators



$\theta t = \theta h \times z$
 θt : Total index angle
 θh : Index angle
 z : Dwell No.

How to read the output torque table

| Index number: | Total index angle (deg) | Cam curve | Size | Static rated output torque (N·m) | Dynamic rated output torque (N·m) | | | | | | | | | |
|---------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|------|--|
| | | | | | Input shaft rotational speed (rpm) | | | | | | | | | |
| | | | | | 30 | 60 | 90 | 120 | 150 | 200 | 300 | 400 | 500 | |
| 1 | 330 | MC | 040 | 23.2 | 10.4 | 9.3 | 7.9 | 7.0 | 6.4 | 5.7 | 4.8 | 4.2 | 3.6 | |
| | | | 050 | 52.9 | 19.3 | 17.2 | 14.7 | 13.1 | 11.9 | 10.6 | 8.7 | 7.4 | 6.2 | |
| | | | 063 | 72.1 | 48.6 | 43.3 | 36.9 | 32.9 | 30.1 | 26.6 | 22.1 | 18.8 | 16.0 | |
| | | | 080 | 146 | 90.9 | 81.0 | 69.0 | 61.4 | 56.0 | 49.4 | 40.4 | 33.5 | 27.4 | |
| | | | 100 | 376 | 170 | 151 | 128 | 114 | 104 | 91 | 72 | 56 | | |
| | | | 125 | 808 | 334 | 297 | 253 | 224 | 203 | 176 | 136 | 100 | | |
| | | | 160 | 1490 | 707 | 628 | 531 | 467 | 418 | 352 | 241 | | | |
| | | | 200 | 2630 | 1250 | 1110 | 930 | 820 | 730 | 610 | 390 | | | |
| | | | 250 | 5860 | 1850 | 1640 | 1370 | 1180 | 1030 | 810 | | | | |
| | | | 040 | 325 | | 2.79 | 2.46 | 2.07 | 1.81 | | | | | |
| 050 | 15.5 | | 7.03 | 6.20 | 5.20 | | | | | | | | | |
| 063 | 25.5 | | 13.2 | 11.6 | | | | | | | | | | |

- Index number n
- Total index angle θt (°)
- Cam curve: MS, MC
- Size: C represents shaft interval
- Static rated output torque (N·m)
- Input shaft rotational speed N (rpm)
- Dynamic rated output torque T_r (N·m)

Output torque table

● PCIS (1 dwell)

Product specifications

Compact

Standard

Table

Wide angle

Basic

Parallel cam drive

Option

Linear and Phase drive

Roller gear cam drive

| Index number | Total index angle (deg) | Cam curve | Size | Static rated output torque (N·m) | Rated dynamic output torque (N·m) | | | | | | | | | |
|--------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|------|------|
| | | | | | Input shaft rotational speed (rpm) | | | | | | | | | |
| | | | | | 30 | 60 | 90 | 120 | 150 | 200 | 300 | 400 | 500 | |
| 1 | 210 | MC | 040 | 4.11 | 3.62 | 3.21 | 2.72 | 2.41 | 2.17 | 1.87 | 1.40 | 0.96 | | |
| | | | 050 | 19.7 | 9.13 | 8.09 | 6.85 | 6.04 | 5.43 | 4.62 | 3.30 | | | |
| | | | 063 | 32.3 | 17.1 | 15.2 | 12.8 | 11.3 | 10.1 | 8.6 | 6.0 | | | |
| | | | 080 | 62.2 | 43.6 | 38.6 | 32.6 | 28.7 | 25.6 | 21.6 | 14.6 | | | |
| | | | 100 | 124 | 79.9 | 70.5 | 59.1 | 51.4 | 45.1 | 36.1 | | | | |
| | | | 125 | 319 | 150 | 132 | 110 | 94 | 82 | 62 | | | | |
| | | | 160 | 702 | 334 | 294 | 246 | 212 | 185 | 145 | | | | |
| | | | 200 | 1200 | 525 | 461 | 382 | 325 | 277 | 202 | | | | |
| | | | 250 | 2230 | 1100 | 960 | 790 | 670 | 560 | 380 | | | | |
| | | | 240 | MC | 040 | 4.11 | 3.66 | 3.25 | 2.76 | 2.45 | 2.22 | 1.93 | 1.49 | 1.12 |
| | 050 | 19.7 | | | 9.25 | 8.20 | 6.96 | 6.15 | 5.56 | 4.79 | 3.59 | 2.51 | | |
| | 063 | 32.3 | | | 17.3 | 15.4 | 13.0 | 11.5 | 10.4 | 8.9 | 6.6 | 4.4 | | |
| | 080 | 62.2 | | | 44.1 | 39.1 | 33.1 | 29.2 | 26.3 | 22.5 | 16.3 | | | |
| | 100 | 124 | | | 80.9 | 71.6 | 60.3 | 52.7 | 46.8 | 38.7 | 24.0 | | | |
| | 125 | 319 | | | 152 | 134 | 112 | 98 | 86 | 68 | | | | |
| | 160 | 702 | | | 338 | 299 | 251 | 219 | 193 | 157 | | | | |
| | 200 | 1200 | | | 532 | 469 | 391 | 337 | 293 | 227 | | | | |
| | 250 | 2230 | | | 1110 | 980 | 810 | 690 | 590 | 440 | | | | |
| | 270 | MC | | | 040 | 14.7 | 6.69 | 5.94 | 5.06 | 4.51 | 4.11 | 3.63 | 2.97 | 2.47 |
| | | | 050 | 32.6 | 15.1 | 13.4 | 11.4 | 10.2 | 9.2 | 8.1 | 6.5 | 5.2 | 4.0 | |
| | | | 063 | 57.7 | 24.6 | 21.8 | 18.5 | 16.5 | 14.9 | 13.1 | 10.3 | 8.0 | | |
| | | | 080 | 117 | 62.9 | 55.8 | 47.5 | 42.1 | 38.2 | 33.2 | 25.9 | 19.7 | | |
| | | | 100 | 260 | 116 | 103 | 87 | 77 | 69 | 59 | 43 | | | |
| | | | 125 | 497 | 238 | 210 | 178 | 157 | 140 | 118 | 81 | | | |
| | | | 160 | 1220 | 517 | 457 | 385 | 337 | 299 | 247 | 153 | | | |
| | | | 200 | 1610 | 804 | 709 | 594 | 515 | 451 | 358 | | | | |
| | | | 250 | 5060 | 1590 | 1400 | 1160 | 990 | 850 | 620 | | | | |
| | | | 300 | MS | 040 | 4.11 | 3.76 | 3.38 | 2.88 | 2.56 | 2.34 | 2.07 | 1.70 | 1.42 |
| 050 | 19.7 | 9.49 | | | 8.53 | 7.26 | 6.46 | 5.89 | 5.18 | 4.21 | 3.45 | 2.75 | | |
| 063 | 32.3 | 17.8 | | | 16.0 | 13.6 | 12.1 | 11.0 | 9.7 | 7.8 | 6.3 | 5.0 | | |
| 080 | 62.2 | 45.3 | | | 40.7 | 34.6 | 30.8 | 28.0 | 24.6 | 19.7 | 15.8 | 12.1 | | |
| 100 | 124 | 83.1 | | | 74.6 | 63.3 | 56.1 | 50.7 | 43.9 | 33.5 | 24.3 | | | |
| 125 | 319 | 156 | | | 140 | 118 | 105 | 94 | 81 | 59 | | | | |
| 160 | 702 | 347 | | | 311 | 264 | 234 | 211 | 182 | 136 | | | | |
| 200 | 1200 | 547 | | | 490 | 414 | 365 | 327 | 277 | 193 | | | | |
| 250 | 2230 | 1140 | | | 1020 | 860 | 760 | 680 | 570 | | | | | |
| MC | 040 | 14.7 | | | 6.75 | 6.00 | 5.11 | 4.56 | 4.16 | 3.68 | 3.04 | 2.57 | 2.16 | |
| | 050 | 32.6 | | 15.3 | 13.6 | 11.6 | 10.3 | 9.4 | 8.3 | 6.7 | 5.5 | 4.4 | | |
| | 063 | 57.7 | | 24.8 | 22.0 | 18.7 | 16.7 | 15.2 | 13.3 | 10.7 | 8.5 | 6.5 | | |
| | 080 | 117 | | 63.5 | 56.4 | 48.0 | 42.6 | 38.7 | 33.9 | 27.0 | 21.3 | | | |
| | 100 | 260 | | 117 | 104 | 88 | 78 | 70 | 61 | 46 | 32 | | | |
| | 125 | 497 | | 240 | 213 | 180 | 159 | 143 | 122 | 89 | | | | |
| | 160 | 1220 | | 522 | 462 | 391 | 343 | 307 | 257 | 173 | | | | |
| | 200 | 1610 | | 812 | 717 | 603 | 526 | 465 | 379 | 222 | | | | |
| | 250 | 5060 | | 1610 | 1420 | 1180 | 1020 | 880 | 680 | | | | | |
| | 330 | MS | | 040 | 4.11 | 3.76 | 3.41 | 2.90 | 2.59 | 2.36 | 2.09 | 1.73 | 1.47 | 1.24 |
| 050 | | | | 19.7 | 9.49 | 8.60 | 7.33 | 6.53 | 5.95 | 5.26 | 4.31 | 3.59 | 2.96 | |
| 063 | | | 32.3 | 17.8 | 16.1 | 13.7 | 12.2 | 11.1 | 9.8 | 8.0 | 6.6 | 5.4 | | |
| 080 | | | 62.2 | 45.3 | 41.1 | 35.0 | 31.1 | 28.3 | 25.0 | 20.2 | 16.6 | 13.2 | | |
| 100 | | | 124 | 83.2 | 75.3 | 64.0 | 56.8 | 51.5 | 44.8 | 35.0 | 26.6 | | | |
| 125 | | | 319 | 156 | 141 | 120 | 106 | 96 | 83 | 62 | 44 | | | |
| 160 | | | 702 | 347 | 314 | 267 | 237 | 214 | 186 | 142 | 104 | | | |
| 200 | | | 1200 | 547 | 495 | 419 | 370 | 333 | 285 | 208 | | | | |
| 250 | | | 2230 | 1140 | 1030 | 870 | 770 | 690 | 580 | | | | | |

● PCIS (1 dwell)

| Index number | Total index angle (deg) | Cam curve | Size | Static rated output torque (N·m) | Rated dynamic output torque (N·m) | | | | | | | | |
|--------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|------|
| | | | | | Input shaft rotational speed (rpm) | | | | | | | | |
| | | | | | 30 | 60 | 90 | 120 | 150 | 200 | 300 | 400 | 500 |
| 1 | 330 | MC | 040 | 23.2 | 10.4 | 9.3 | 7.9 | 7.0 | 6.4 | 5.7 | 4.8 | 4.2 | 3.6 |
| | | | 050 | 52.9 | 19.3 | 17.2 | 14.7 | 13.1 | 11.9 | 10.6 | 8.7 | 7.4 | 6.2 |
| | | | 063 | 72.1 | 48.6 | 43.3 | 36.9 | 32.9 | 30.1 | 26.6 | 22.1 | 18.8 | 16.0 |
| | | | 080 | 146 | 90.9 | 81.0 | 69.0 | 61.4 | 56.0 | 49.4 | 40.4 | 33.5 | 27.4 |
| | | | 100 | 376 | 170 | 151 | 128 | 114 | 104 | 91 | 72 | 56 | |
| | | | 125 | 808 | 334 | 297 | 253 | 224 | 203 | 176 | 136 | 100 | |
| | | | 160 | 1490 | 707 | 628 | 531 | 467 | 418 | 352 | 241 | | |
| | | | 200 | 2630 | 1250 | 1110 | 930 | 820 | 730 | 610 | 390 | | |
| | | | 250 | 5860 | 1850 | 1640 | 1370 | 1180 | 1030 | 810 | | | |
| | | | 2 | 120 | MC | 040 | 3.25 | 2.79 | 2.46 | 2.07 | 1.81 | 1.61 | 1.33 |
| 050 | 15.5 | 7.03 | | | | 6.20 | 5.20 | 4.52 | 3.98 | 3.19 | | | |
| 063 | 25.5 | 13.2 | | | | 11.6 | 9.7 | 8.4 | 7.4 | 5.8 | | | |
| 080 | 49.1 | 33.5 | | | | 29.5 | 24.7 | 21.3 | 18.5 | 14.4 | | | |
| 100 | 97.9 | 61.4 | | | | 53.7 | 44.2 | 37.1 | 31.0 | 21.1 | | | |
| 125 | 252 | 115 | | | | 100 | 81 | 67 | 53 | 31 | | | |
| 160 | 555 | 256 | | | | 223 | 182 | 151 | 123 | 77 | | | |
| 200 | 944 | 403 | | | | 348 | 279 | 223 | 170 | | | | |
| 250 | 1760 | 841 | | | | 721 | 568 | 439 | 314 | | | | |
| 150 | MS | 040 | | | | 3.25 | 2.89 | 2.57 | 2.18 | 1.93 | 1.75 | 1.51 | 1.15 |
| | | 050 | | 15.5 | 7.30 | 6.47 | 5.48 | 4.84 | 4.37 | 3.74 | 2.75 | 1.83 | |
| | | 063 | | 25.5 | 13.7 | 12.1 | 10.3 | 9.1 | 8.2 | 7.0 | 5.0 | | |
| | | 080 | | 49.1 | 34.8 | 30.9 | 26.1 | 23.0 | 20.6 | 17.5 | 12.3 | | |
| | | 100 | | 97.9 | 63.9 | 56.4 | 47.4 | 41.4 | 36.5 | 29.8 | 17.3 | | |
| | | 125 | | 252 | 120 | 106 | 88 | 76 | 66 | 52 | | | |
| | | 160 | | 555 | 267 | 235 | 197 | 171 | 150 | 119 | | | |
| | | 200 | | 944 | 420 | 369 | 307 | 263 | 226 | 170 | | | |
| | | 250 | | 1760 | 877 | 768 | 635 | 537 | 454 | 322 | | | |
| | | 180 | | MC | 040 | 11.8 | 5.18 | 4.59 | 3.90 | 3.46 | 3.14 | 2.73 | 2.12 |
| 050 | 26.1 | | | | 11.7 | 10.4 | 8.8 | 7.8 | 7.0 | 6.0 | 4.4 | 3.0 | |
| 063 | 46.1 | | | | 19.0 | 16.8 | 14.2 | 12.5 | 11.3 | 9.6 | 6.7 | | |
| 080 | 93.1 | | | | 48.6 | 43.0 | 36.4 | 32.0 | 28.6 | 24.1 | 16.4 | | |
| 100 | 208 | | | | 89.6 | 79.1 | 66.3 | 57.6 | 50.7 | 40.7 | | | |
| 125 | 397 | | | | 183 | 162 | 135 | 116 | 101 | 78 | | | |
| 160 | 973 | | | | 399 | 350 | 290 | 246 | 209 | 152 | | | |
| 200 | 1290 | | | | 621 | 541 | 443 | 368 | 301 | 193 | | | |
| 250 | 4050 | | | | 1230 | 1060 | 850 | 670 | 510 | | | | |
| 180 | MS | | | | 040 | 11.8 | 5.35 | 4.75 | 4.05 | 3.61 | 3.29 | 2.90 | 2.38 |
| | | 050 | | 26.1 | 12.1 | 10.7 | 9.1 | 8.1 | 7.4 | 6.5 | 5.2 | 4.2 | 3.2 |
| | | 063 | | 46.1 | 19.7 | 17.5 | 14.8 | 13.2 | 12.0 | 10.4 | 8.2 | 6.4 | |
| | | 080 | 93.1 | 50.3 | 44.6 | 37.9 | 33.7 | 30.5 | 26.6 | 20.7 | 15.6 | | |
| | | 100 | 208 | 92.8 | 82.2 | 69.6 | 61.4 | 55.3 | 47.2 | 34.1 | | | |
| | | 125 | 397 | 190 | 168 | 142 | 125 | 112 | 94 | 64 | | | |
| | | 160 | 973 | 413 | 365 | 308 | 269 | 239 | 196 | 120 | | | |
| | | 200 | 1290 | 643 | 567 | 475 | 411 | 360 | 285 | | | | |
| | | 250 | 4050 | 1270 | 1120 | 930 | 790 | 670 | 490 | | | | |
| | | 180 | MC | 040 | 18.7 | 8.06 | 7.17 | 6.10 | 5.43 | 4.95 | 4.37 | 3.57 | 2.96 |
| 050 | 42.7 | | | 15.0 | 13.3 | 11.3 | 10.1 | 9.1 | 8.0 | 6.3 | 4.9 | | |
| 063 | 58.2 | | | 37.8 | 33.6 | 28.5 | 25.4 | 23.0 | 20.2 | 16.1 | 12.7 | | |
| 080 | 118 | | | 70.7 | 62.7 | 53.3 | 47.2 | 42.7 | 37.0 | 28.3 | 20.7 | | |
| 100 | 303 | | | 132 | 117 | 99 | 87 | 78 | 66 | 46 | | | |
| 125 | 652 | | | 259 | 229 | 193 | 169 | 151 | 125 | 80 | | | |
| 160 | 1200 | | | 549 | 483 | 403 | 346 | 299 | 229 | | | | |
| 200 | 2120 | | | 970 | 851 | 706 | 601 | 512 | 374 | | | | |
| 250 | 4720 | | | 1440 | 1250 | 1020 | 830 | 670 | | | | | |

Product specifications

| | |
|-----------------------|--------------------|
| Roller gear cam drive | Compact |
| | Standard |
| | Table |
| Wide angle | Basic |
| | Parallel cam drive |
| Pitch and Pitch Error | Linear |
| | Circular |
| Option | |

Output torque table

● PCIS (1 dwell)

| Product specifications | | Index number | Total index angle (deg) | Cam curve | Size | Static rated output torque (N·m) | Rated dynamic output torque (N·m) | | | | | | | |
|------------------------|------------------------------------|--------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|
| | | | | | | | Input shaft rotational speed (rpm) | | | | | | | |
| | | | | | | | 30 | 60 | 90 | 120 | 150 | 200 | 300 | 400 |
| 2 | Roller gear cam drive | 210 | MS | 040 | 11.8 | 5.37 | 4.82 | 4.11 | 3.67 | 3.35 | 2.97 | 2.46 | 2.09 | 1.78 |
| | | | | 050 | 26.1 | 12.1 | 10.9 | 9.3 | 8.3 | 7.5 | 6.6 | 5.4 | 4.5 | 3.7 |
| | | | | 063 | 46.1 | 19.7 | 17.7 | 15.1 | 13.4 | 12.2 | 10.7 | 8.7 | 7.0 | 5.5 |
| | | | | 080 | 93.1 | 50.5 | 45.3 | 38.5 | 34.3 | 31.2 | 27.3 | 21.9 | 17.4 | 13.3 |
| | | | | 100 | 208 | 93.1 | 83.5 | 70.8 | 62.7 | 56.7 | 49.1 | 37.4 | 26.9 | |
| | | | | 125 | 397 | 191 | 171 | 145 | 128 | 115 | 99 | 73 | 48 | |
| | | | | 160 | 973 | 415 | 371 | 314 | 276 | 247 | 209 | 143 | | |
| | | 200 | 1290 | 646 | 577 | 486 | 424 | 376 | 309 | 188 | | | | |
| | | 250 | 4050 | 1280 | 1140 | 950 | 820 | 720 | 560 | | | | | |
| | | 040 | 18.7 | 8.18 | 7.27 | 6.19 | 5.52 | 5.04 | 4.46 | 3.69 | 3.13 | 2.65 | | |
| | | 050 | 42.7 | 15.2 | 13.5 | 11.5 | 10.2 | 9.3 | 8.2 | 6.6 | 5.4 | 4.2 | | |
| | | 063 | 58.2 | 38.3 | 34.0 | 29.0 | 25.8 | 23.5 | 20.7 | 16.8 | 13.8 | 11.1 | | |
| | | 080 | 118 | 71.7 | 63.7 | 54.1 | 48.1 | 43.7 | 38.2 | 30.2 | 23.6 | | | |
| | | 100 | 303 | 134 | 118 | 100 | 89 | 80 | 69 | 51 | 35 | | | |
| | 125 | 652 | 263 | 233 | 197 | 174 | 156 | 132 | 93 | | | | | |
| | 160 | 1200 | 557 | 491 | 413 | 359 | 316 | 254 | | | | | | |
| | 200 | 2120 | 985 | 868 | 725 | 626 | 545 | 426 | | | | | | |
| | 250 | 4720 | 1460 | 1280 | 1050 | 890 | 740 | 510 | | | | | | |
| | 040 | 18.7 | 8.23 | 7.48 | 6.38 | 5.70 | 5.21 | 4.64 | 3.90 | 3.39 | 2.99 | | | |
| | 050 | 42.7 | 15.3 | 13.9 | 11.9 | 10.6 | 9.7 | 8.6 | 7.1 | 6.1 | 5.2 | | | |
| | 063 | 58.2 | 38.6 | 35.1 | 29.9 | 26.7 | 24.4 | 21.6 | 18.0 | 15.4 | 13.3 | | | |
| | 080 | 118 | 72.2 | 65.6 | 55.9 | 49.8 | 45.4 | 40.2 | 33.0 | 27.7 | 23.1 | | | |
| | 100 | 303 | 135 | 122 | 104 | 92 | 84 | 74 | 59 | 47 | 36 | | | |
| | 125 | 652 | 265 | 241 | 204 | 181 | 165 | 143 | 112 | 85 | | | | |
| | 160 | 1200 | 561 | 508 | 430 | 379 | 341 | 290 | 206 | | | | | |
| | 200 | 2120 | 993 | 898 | 759 | 667 | 596 | 500 | 336 | | | | | |
| | 250 | 4720 | 1470 | 1330 | 1120 | 970 | 850 | 680 | | | | | | |
| | 040 | 22.4 | 9.67 | 8.64 | 7.37 | 6.57 | 6.01 | 5.34 | 4.46 | 3.85 | 3.35 | | | |
| 050 | 51.1 | 18.0 | 16.0 | 13.7 | 12.2 | 11.1 | 9.8 | 8.1 | 6.8 | 5.6 | | | | |
| 063 | 69.9 | 45.4 | 40.6 | 34.6 | 30.8 | 28.1 | 24.9 | 20.6 | 17.4 | 14.6 | | | | |
| 080 | 141 | 84.8 | 75.7 | 64.5 | 57.4 | 52.3 | 46.0 | 37.3 | 30.6 | 24.4 | | | | |
| 100 | 363 | 158 | 141 | 120 | 106 | 96 | 84 | 65 | 50 | | | | | |
| 125 | 782 | 311 | 277 | 235 | 208 | 188 | 162 | 122 | 86 | | | | | |
| 160 | 1440 | 658 | 586 | 493 | 431 | 383 | 316 | 196 | | | | | | |
| 200 | 2540 | 1170 | 1030 | 870 | 750 | 660 | 530 | | | | | | | |
| 250 | 5660 | 1730 | 1530 | 1260 | 1070 | 910 | 650 | | | | | | | |
| 040 | 18.7 | 8.23 | 7.57 | 6.45 | 5.76 | 5.27 | 4.70 | 3.96 | 3.47 | 3.09 | | | | |
| 050 | 42.7 | 15.3 | 14.1 | 12.0 | 10.7 | 9.8 | 8.7 | 7.3 | 6.3 | 5.4 | | | | |
| 063 | 58.2 | 38.6 | 35.4 | 30.2 | 27.0 | 24.7 | 21.9 | 18.4 | 15.9 | 13.9 | | | | |
| 080 | 118 | 72.2 | 66.3 | 56.5 | 50.4 | 46.0 | 40.8 | 33.8 | 28.8 | 24.6 | | | | |
| 100 | 303 | 135 | 123 | 105 | 94 | 85 | 75 | 61 | 50 | 40 | | | | |
| 125 | 652 | 265 | 243 | 207 | 184 | 167 | 147 | 117 | 93 | 70 | | | | |
| 160 | 1200 | 561 | 514 | 436 | 386 | 348 | 299 | 223 | 152 | | | | | |
| 200 | 2120 | 993 | 909 | 770 | 679 | 610 | 520 | 372 | | | | | | |
| 250 | 4720 | 1480 | 1350 | 1130 | 990 | 880 | 720 | 440 | | | | | | |
| 040 | 22.4 | 9.67 | 8.74 | 7.45 | 6.65 | 6.08 | 5.41 | 4.54 | 3.95 | 3.48 | | | | |
| 050 | 51.1 | 18.0 | 16.2 | 13.8 | 12.3 | 11.3 | 10.0 | 8.3 | 7.0 | 6.0 | | | | |
| 063 | 69.9 | 45.4 | 41.0 | 35.0 | 31.2 | 28.5 | 25.3 | 21.0 | 18.0 | 15.5 | | | | |
| 080 | 141 | 84.8 | 76.6 | 65.2 | 58.1 | 53.0 | 46.8 | 38.4 | 32.2 | 26.6 | | | | |
| 100 | 363 | 158 | 142 | 121 | 108 | 98 | 86 | 68 | 54 | 40 | | | | |
| 125 | 782 | 311 | 281 | 238 | 211 | 192 | 167 | 129 | 97 | | | | | |
| 160 | 1440 | 658 | 592 | 500 | 440 | 393 | 331 | 224 | | | | | | |
| 200 | 2540 | 1170 | 1050 | 880 | 770 | 680 | 560 | 340 | | | | | | |
| 250 | 5660 | 1730 | 1550 | 1290 | 1110 | 960 | 730 | | | | | | | |
| Option | Circular Pike and Rase drive | 270 | MS | 040 | 18.7 | 8.23 | 7.57 | 6.45 | 5.76 | 5.27 | 4.70 | 3.96 | 3.47 | 3.09 |
| | | | | 050 | 42.7 | 15.3 | 14.1 | 12.0 | 10.7 | 9.8 | 8.7 | 7.3 | 6.3 | 5.4 |
| 063 | 58.2 | 38.6 | | 35.4 | 30.2 | 27.0 | 24.7 | 21.9 | 18.4 | 15.9 | 13.9 | | | |
| 080 | 118 | 72.2 | | 66.3 | 56.5 | 50.4 | 46.0 | 40.8 | 33.8 | 28.8 | 24.6 | | | |
| 100 | 303 | 135 | | 123 | 105 | 94 | 85 | 75 | 61 | 50 | 40 | | | |
| 125 | 652 | 265 | | 243 | 207 | 184 | 167 | 147 | 117 | 93 | 70 | | | |
| 160 | 1200 | 561 | | 514 | 436 | 386 | 348 | 299 | 223 | 152 | | | | |
| 200 | 2120 | 993 | 909 | 770 | 679 | 610 | 520 | 372 | | | | | | |
| 250 | 4720 | 1480 | 1350 | 1130 | 990 | 880 | 720 | 440 | | | | | | |
| 040 | 22.4 | 9.67 | 8.74 | 7.45 | 6.65 | 6.08 | 5.41 | 4.54 | 3.95 | 3.48 | | | | |
| 050 | 51.1 | 18.0 | 16.2 | 13.8 | 12.3 | 11.3 | 10.0 | 8.3 | 7.0 | 6.0 | | | | |
| 063 | 69.9 | 45.4 | 41.0 | 35.0 | 31.2 | 28.5 | 25.3 | 21.0 | 18.0 | 15.5 | | | | |
| 080 | 141 | 84.8 | 76.6 | 65.2 | 58.1 | 53.0 | 46.8 | 38.4 | 32.2 | 26.6 | | | | |
| 100 | 363 | 158 | 142 | 121 | 108 | 98 | 86 | 68 | 54 | 40 | | | | |
| 125 | 782 | 311 | 281 | 238 | 211 | 192 | 167 | 129 | 97 | | | | | |
| 160 | 1440 | 658 | 592 | 500 | 440 | 393 | 331 | 224 | | | | | | |
| 200 | 2540 | 1170 | 1050 | 880 | 770 | 680 | 560 | 340 | | | | | | |
| 250 | 5660 | 1730 | 1550 | 1290 | 1110 | 960 | 730 | | | | | | | |
| Option | Pike and Rase drive | 270 | MC | 040 | 18.7 | 8.23 | 7.57 | 6.45 | 5.76 | 5.27 | 4.70 | 3.96 | 3.47 | 3.09 |
| | | | | 050 | 42.7 | 15.3 | 14.1 | 12.0 | 10.7 | 9.8 | 8.7 | 7.3 | 6.3 | 5.4 |
| 063 | 58.2 | 38.6 | | 35.4 | 30.2 | 27.0 | 24.7 | 21.9 | 18.4 | 15.9 | 13.9 | | | |
| 080 | 118 | 72.2 | | 66.3 | 56.5 | 50.4 | 46.0 | 40.8 | 33.8 | 28.8 | 24.6 | | | |
| 100 | 303 | 135 | | 123 | 105 | 94 | 85 | 75 | 61 | 50 | 40 | | | |
| 125 | 652 | 265 | | 243 | 207 | 184 | 167 | 147 | 117 | 93 | 70 | | | |
| 160 | 1200 | 561 | | 514 | 436 | 386 | 348 | 299 | 223 | 152 | | | | |
| 200 | 2120 | 993 | 909 | 770 | 679 | 610 | 520 | 372 | | | | | | |
| 250 | 4720 | 1480 | 1350 | 1130 | 990 | 880 | 720 | 440 | | | | | | |
| 040 | 22.4 | 9.67 | 8.74 | 7.45 | 6.65 | 6.08 | 5.41 | 4.54 | 3.95 | 3.48 | | | | |
| 050 | 51.1 | 18.0 | 16.2 | 13.8 | 12.3 | 11.3 | 10.0 | 8.3 | 7.0 | 6.0 | | | | |
| 063 | 69.9 | 45.4 | 41.0 | 35.0 | 31.2 | 28.5 | 25.3 | 21.0 | 18.0 | 15.5 | | | | |
| 080 | 141 | 84.8 | 76.6 | 65.2 | 58.1 | 53.0 | 46.8 | 38.4 | 32.2 | 26.6 | | | | |
| 100 | 363 | 158 | 142 | 121 | 108 | 98 | 86 | 68 | 54 | 40 | | | | |
| 125 | 782 | 311 | 281 | 238 | 211 | 192 | 167 | 129 | 97 | | | | | |
| 160 | 1440 | 658 | 592 | 500 | 440 | 393 | 331 | 224 | | | | | | |
| 200 | 2540 | 1170 | 1050 | 880 | 770 | 680 | 560 | 340 | | | | | | |
| 250 | 5660 | 1730 | 1550 | 1290 | 1110 | 960 | 730 | | | | | | | |

● PCIS (1 dwell)

| Index number | Total index angle (deg) | Cam curve | Size | Static rated output torque (N·m) | Rated dynamic output torque (N·m) | | | | | | | | |
|--------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|------|
| | | | | | Input shaft rotational speed (rpm) | | | | | | | | |
| | | | | | 30 | 60 | 90 | 120 | 150 | 200 | 300 | 400 | 500 |
| 2 | 300 | MS | 040 | 22.4 | 9.67 | 8.97 | 7.65 | 6.84 | 6.26 | 5.58 | 4.72 | 4.16 | 3.74 |
| | | | 050 | 51.1 | 18.0 | 16.7 | 14.2 | 12.7 | 11.6 | 10.3 | 8.7 | 7.6 | 6.7 |
| | | | 063 | 69.9 | 45.4 | 42.1 | 35.9 | 32.1 | 29.4 | 26.1 | 22.0 | 19.2 | 17.0 |
| | | | 080 | 141 | 84.8 | 78.6 | 67.1 | 59.8 | 54.7 | 48.6 | 40.6 | 35.1 | 30.6 |
| | | | 100 | 363 | 158 | 146 | 125 | 111 | 101 | 90 | 74 | 62 | 52 |
| | | | 125 | 782 | 311 | 288 | 246 | 219 | 199 | 176 | 143 | 117 | 94 |
| | | | 160 | 1440 | 659 | 610 | 518 | 458 | 415 | 359 | 274 | 198 | |
| | | | 200 | 2540 | 1170 | 1080 | 910 | 810 | 730 | 620 | 450 | 290 | |
| | | | 250 | 5660 | 1740 | 1600 | 1350 | 1180 | 1050 | 870 | 540 | | |
| | | MC | 040 | 22.4 | 9.67 | 8.82 | 7.52 | 6.72 | 6.15 | 5.47 | 4.61 | 4.03 | 3.59 |
| | | | 050 | 51.1 | 18.0 | 16.4 | 14.0 | 12.5 | 11.4 | 10.1 | 8.4 | 7.3 | 6.3 |
| | | | 063 | 69.9 | 45.4 | 41.4 | 35.3 | 31.5 | 28.8 | 25.6 | 21.4 | 18.5 | 16.1 |
| | | | 080 | 141 | 84.8 | 77.3 | 65.9 | 58.7 | 53.6 | 47.5 | 39.3 | 33.3 | 28.3 |
| | | | 100 | 363 | 158 | 144 | 122 | 109 | 99 | 87 | 70 | 57 | 45 |
| | | | 125 | 782 | 311 | 283 | 241 | 214 | 195 | 170 | 135 | 106 | |
| | MS | 040 | 22.4 | 9.67 | 9.05 | 7.72 | 6.90 | 6.32 | 5.63 | 4.77 | 4.22 | 3.80 | |
| | | 050 | 51.1 | 18.0 | 16.8 | 14.3 | 12.8 | 11.7 | 10.4 | 8.8 | 7.7 | 6.8 | |
| | | 063 | 69.9 | 45.4 | 42.5 | 36.3 | 32.4 | 29.6 | 26.4 | 22.3 | 19.5 | 17.4 | |
| | | 080 | 141 | 84.8 | 79.3 | 67.7 | 60.4 | 55.2 | 49.1 | 41.2 | 35.8 | 31.5 | |
| | | 100 | 363 | 158 | 148 | 126 | 112 | 102 | 91 | 75 | 64 | 54 | |
| | | 125 | 782 | 311 | 291 | 248 | 221 | 201 | 178 | 146 | 122 | 101 | |
| | MC | 040 | 22.4 | 9.67 | 8.90 | 7.59 | 6.78 | 6.20 | 5.53 | 4.67 | 4.10 | 3.67 | |
| | | 050 | 51.1 | 18.0 | 16.5 | 14.1 | 12.6 | 11.5 | 10.2 | 8.6 | 7.4 | 6.5 | |
| | | 063 | 69.9 | 45.4 | 41.8 | 35.6 | 31.8 | 29.1 | 25.9 | 21.7 | 18.9 | 16.6 | |
| | | 080 | 141 | 84.8 | 78.0 | 66.5 | 59.3 | 54.2 | 48.1 | 40.0 | 34.3 | 29.5 | |
| 100 | | 363 | 158 | 145 | 124 | 110 | 100 | 88 | 72 | 60 | 49 | | |
| 125 | | 782 | 311 | 286 | 243 | 216 | 197 | 173 | 139 | 112 | 87 | | |
| 160 | | 1440 | 659 | 604 | 512 | 453 | 409 | 351 | 261 | 177 | | | |
| 200 | | 2540 | 1170 | 1070 | 900 | 800 | 710 | 610 | 420 | | | | |
| 250 | | 5660 | 1740 | 1590 | 1330 | 1160 | 1030 | 830 | 470 | | | | |
| 3 | 90 | MS | 040 | 4.11 | 3.58 | 3.17 | 2.69 | 2.37 | 2.13 | 1.81 | 1.30 | | |
| | | | 050 | 19.7 | 9.04 | 8.00 | 6.76 | 5.94 | 5.31 | 4.45 | 2.99 | | |
| | | | 063 | 32.3 | 16.9 | 15.0 | 12.6 | 11.1 | 9.9 | 8.2 | 5.3 | | |
| | | | 080 | 62.2 | 43.1 | 38.1 | 32.1 | 28.1 | 25.0 | 20.6 | 12.9 | | |
| | | | 100 | 124 | 79.1 | 69.6 | 58.1 | 50.0 | 43.4 | 33.6 | | | |
| | | | 125 | 319 | 148 | 130 | 108 | 92 | 78 | 56 | | | |
| | | | 160 | 702 | 330 | 290 | 241 | 206 | 177 | 133 | | | |
| | | | 200 | 1200 | 520 | 454 | 373 | 313 | 261 | 176 | | | |
| | | | 250 | 2230 | 1090 | 950 | 770 | 640 | 520 | 320 | | | |
| | 120 | MS | 040 | 14.7 | 6.64 | 5.90 | 5.02 | 4.47 | 4.07 | 3.59 | 2.91 | 2.39 | 1.92 |
| | | | 050 | 32.6 | 15.0 | 13.3 | 11.3 | 10.1 | 9.2 | 8.0 | 6.4 | 5.0 | |
| | | | 063 | 57.7 | 24.4 | 21.6 | 18.4 | 16.3 | 14.8 | 12.9 | 10.0 | 7.5 | |
| | | | 080 | 117 | 62.5 | 55.4 | 47.1 | 41.7 | 37.7 | 32.7 | 25.1 | 18.3 | |
| | | | 100 | 260 | 115 | 102 | 86 | 76 | 68 | 58 | 40 | | |
| | | | 125 | 497 | 236 | 209 | 176 | 155 | 138 | 115 | 75 | | |
| 160 | 1220 | 514 | 453 | 381 | 332 | 293 | 238 | 136 | | | | | |
| 200 | 1610 | 798 | 703 | 587 | 505 | 439 | 340 | | | | | | |
| 250 | 5060 | 1580 | 1390 | 1140 | 970 | 820 | 580 | | | | | | |

Product specifications

| | |
|-----------------------|--------------------|
| Roller gear cam drive | Compact |
| | Standard |
| | Table |
| Wide angle | Basic |
| | Parallel cam drive |
| Pitch and Pitch Error | Linear |
| | Circular |
| Option | |

Output torque table

● PCIS (1 dwell)

Product specifications

Compact

Standard

Table

Wide angle

Basic

Parallel cam drive

Option

Linear

Circular

Pike and Phase drive

| Index number | Total index angle (deg) | Cam curve | Size | Static rated output torque (N·m) | Rated dynamic output torque (N·m) | | | | | | | | |
|--------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|------|
| | | | | | Input shaft rotational speed (rpm) | | | | | | | | |
| | | | | | 30 | 60 | 90 | 120 | 150 | 200 | 300 | 400 | 500 |
| 3 | 150 | MS | 040 | 23.2 | 10.4 | 9.2 | 7.9 | 7.0 | 6.4 | 5.7 | 4.8 | 4.1 | 3.6 |
| | | | 050 | 52.9 | 19.3 | 17.1 | 14.6 | 13.0 | 11.9 | 10.5 | 8.6 | 7.2 | 6.0 |
| | | | 063 | 72.1 | 48.5 | 43.1 | 36.7 | 32.7 | 29.9 | 26.5 | 21.9 | 18.5 | 15.6 |
| | | | 080 | 146 | 90.7 | 80.6 | 68.6 | 61.1 | 55.7 | 49.0 | 39.9 | 32.8 | 26.3 |
| | | | 100 | 376 | 169 | 150 | 128 | 113 | 103 | 90 | 70 | 54 | |
| | | | 125 | 808 | 334 | 296 | 251 | 222 | 201 | 174 | 132 | 95 | |
| | | | 160 | 1490 | 706 | 624 | 527 | 463 | 413 | 345 | 228 | | |
| | | | 200 | 2630 | 1250 | 1100 | 930 | 810 | 720 | 590 | 360 | | |
| | | | 250 | 5860 | 1850 | 1630 | 1360 | 1170 | 1010 | 770 | | | |
| | | | 180 | MS | 040 | 27.4 | 12.1 | 10.9 | 9.3 | 8.3 | 7.6 | 6.8 | 5.7 |
| | 050 | 62.5 | | | 22.5 | 20.3 | 17.3 | 15.4 | 14.1 | 12.5 | 10.4 | 9.0 | 7.8 |
| | 063 | 85.5 | | | 56.7 | 51.2 | 43.6 | 38.9 | 35.6 | 31.6 | 26.5 | 22.9 | 20.0 |
| | 080 | 173 | | | 106 | 96 | 81 | 73 | 66 | 59 | 49 | 41 | 35 |
| | 100 | 444 | | | 197 | 178 | 151 | 135 | 123 | 108 | 88 | 72 | 57 |
| | 125 | 957 | | | 389 | 351 | 298 | 265 | 241 | 211 | 168 | 133 | 100 |
| | 160 | 1770 | | | 824 | 740 | 627 | 553 | 498 | 425 | 306 | | |
| | 200 | 3110 | | | 1460 | 1310 | 1100 | 970 | 870 | 730 | 490 | | |
| | 250 | 6920 | | | 2160 | 1940 | 1620 | 1410 | 1230 | 980 | | | |
| | 210 | MS | | | 040 | 27.4 | 12.1 | 11.1 | 9.4 | 8.4 | 7.7 | 6.9 | 5.8 |
| | | | 050 | 62.5 | 22.5 | 20.6 | 17.5 | 15.7 | 14.3 | 12.7 | 10.7 | 9.3 | 8.2 |
| | | | 063 | 85.5 | 56.7 | 51.9 | 44.3 | 39.5 | 36.2 | 32.2 | 27.1 | 23.7 | 21.0 |
| | | | 080 | 173 | 106 | 97 | 83 | 74 | 67 | 60 | 50 | 43 | 38 |
| | | | 100 | 444 | 197 | 180 | 154 | 137 | 125 | 111 | 91 | 76 | 64 |
| | | | 125 | 957 | 389 | 356 | 303 | 270 | 246 | 217 | 176 | 145 | 116 |
| | | | 160 | 1770 | 824 | 752 | 638 | 565 | 511 | 442 | 336 | 241 | |
| | | | 200 | 3110 | 1460 | 1330 | 1130 | 990 | 890 | 760 | 550 | | |
| | | | 250 | 6920 | 2170 | 1970 | 1660 | 1450 | 1290 | 1060 | 650 | | |
| | | | 240 | MS | 040 | 27.4 | 12.1 | 11.2 | 9.5 | 8.5 | 7.8 | 7.0 | 5.9 |
| 050 | 62.5 | 22.5 | | | 20.8 | 17.8 | 15.9 | 14.5 | 12.9 | 10.9 | 9.6 | 8.5 | |
| 063 | 85.5 | 56.7 | | | 52.5 | 44.8 | 40.0 | 36.6 | 32.6 | 27.6 | 24.2 | 21.6 | |
| 080 | 173 | 106 | | | 98 | 84 | 75 | 68 | 61 | 51 | 45 | 39 | |
| 100 | 444 | 197 | | | 183 | 156 | 139 | 127 | 112 | 93 | 80 | 68 | |
| 125 | 957 | 390 | | | 360 | 307 | 274 | 250 | 221 | 182 | 153 | 127 | |
| 160 | 1770 | 824 | | | 762 | 647 | 575 | 521 | 455 | 356 | 273 | | |
| 200 | 3110 | 1460 | | | 1350 | 1140 | 1010 | 910 | 790 | 600 | 430 | | |
| 250 | 6920 | 2170 | | | 2000 | 1690 | 1480 | 1330 | 1120 | 760 | | | |
| 270 | MS | 040 | | | 27.4 | 12.1 | 11.3 | 9.7 | 8.6 | 7.9 | 7.0 | 6.0 | 5.3 |
| | | 050 | 62.5 | 22.5 | 21.0 | 18.0 | 16.0 | 14.7 | 13.1 | 11.1 | 9.7 | 8.7 | |
| | | 063 | 85.5 | 56.7 | 53.1 | 45.3 | 40.5 | 37.1 | 33.0 | 28.0 | 24.7 | 22.2 | |
| | | 080 | 173 | 106 | 99 | 85 | 76 | 69 | 62 | 52 | 45 | 41 | |
| | | 100 | 444 | 197 | 185 | 158 | 141 | 128 | 114 | 95 | 82 | 72 | |
| | | 125 | 957 | 390 | 364 | 311 | 277 | 253 | 224 | 186 | 159 | 135 | |
| | | 160 | 1770 | 824 | 770 | 655 | 582 | 530 | 465 | 371 | 296 | 225 | |
| | | 200 | 3110 | 1460 | 1360 | 1160 | 1030 | 930 | 810 | 630 | 480 | | |
| | | 250 | 6920 | 2170 | 2020 | 1710 | 1510 | 1360 | 1160 | 840 | | | |
| | | 300 | MS | 040 | 27.4 | 12.1 | 11.4 | 9.7 | 8.7 | 8.0 | 7.1 | 6.1 | 5.4 |
| 050 | 62.5 | | | 22.5 | 21.2 | 18.1 | 16.2 | 14.8 | 13.2 | 11.2 | 9.9 | 8.9 | |
| 063 | 85.5 | | | 56.7 | 53.6 | 45.8 | 40.9 | 37.4 | 33.4 | 28.3 | 25.0 | 22.6 | |
| 080 | 173 | | | 106 | 100 | 85 | 76 | 70 | 62 | 53 | 46 | 41 | |
| 100 | 444 | | | 197 | 186 | 159 | 142 | 130 | 115 | 97 | 84 | 74 | |
| 125 | 957 | | | 390 | 368 | 314 | 280 | 256 | 227 | 190 | 163 | 142 | |
| 160 | 1770 | | | 824 | 778 | 662 | 589 | 537 | 473 | 383 | 313 | 249 | |
| 200 | 3110 | | | 1460 | 1380 | 1170 | 1040 | 940 | 830 | 660 | 520 | 390 | |
| 250 | 6920 | | | 2170 | 2040 | 1730 | 1530 | 1380 | 1190 | 900 | 620 | | |

● PCIS (1 dwell)

| Index number | Total index angle (deg) | Cam curve | Size | Static rated output torque (N·m) | Rated dynamic output torque (N·m) | | | | | | | | |
|--------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|------|
| | | | | | Input shaft rotational speed (rpm) | | | | | | | | |
| | | | | | 30 | 60 | 90 | 120 | 150 | 200 | 300 | 400 | 500 |
| 3 | 330 | MS | 040 | 27.4 | 12.1 | 11.4 | 9.8 | 8.8 | 8.0 | 7.2 | 6.1 | 5.4 | 4.9 |
| | | | 050 | 62.5 | 22.5 | 21.3 | 18.3 | 16.3 | 15.0 | 13.3 | 11.3 | 10.0 | 9.1 |
| | | | 063 | 85.5 | 56.7 | 53.7 | 46.1 | 41.2 | 37.8 | 33.7 | 28.6 | 25.4 | 22.9 |
| | | | 080 | 173 | 106 | 100 | 86 | 77 | 70 | 63 | 53 | 47 | 42 |
| | | | 100 | 444 | 197 | 187 | 160 | 143 | 131 | 117 | 98 | 86 | 76 |
| | | | 125 | 957 | 390 | 369 | 317 | 282 | 258 | 230 | 192 | 167 | 146 |
| | | | 160 | 1770 | 824 | 779 | 668 | 595 | 543 | 479 | 392 | 327 | 268 |
| | | | 200 | 3110 | 1460 | 1380 | 1180 | 1050 | 960 | 840 | 680 | 550 | 430 |
| | | | 250 | 6920 | 2170 | 2050 | 1750 | 1550 | 1410 | 1220 | 940 | 690 | |
| | | | 4 | 90 | MS | 040 | 11.8 | 5.19 | 4.60 | 3.91 | 3.47 | 3.15 | 2.74 |
| 050 | 26.1 | 11.7 | | | | 10.4 | 8.8 | 7.8 | 7.0 | 6.0 | 4.5 | 3.1 | |
| 063 | 46.1 | 19.0 | | | | 16.9 | 14.3 | 12.6 | 11.3 | 9.6 | 6.8 | | |
| 080 | 93.1 | 48.7 | | | | 43.1 | 36.5 | 32.1 | 28.7 | 24.3 | 16.7 | | |
| 100 | 208 | 89.8 | | | | 79.3 | 66.5 | 57.9 | 51.0 | 41.2 | 22.7 | | |
| 125 | 397 | 184 | | | | 162 | 135 | 117 | 102 | 79 | | | |
| 160 | 973 | 400 | | | | 351 | 291 | 248 | 211 | 155 | | | |
| 200 | 1290 | 622 | | | | 543 | 445 | 371 | 306 | 200 | | | |
| 250 | 4050 | 1230 | | | | 1060 | 850 | 680 | 520 | | | | |
| 120 | MS | 040 | | | | 18.7 | 8.16 | 7.25 | 6.18 | 5.51 | 5.03 | 4.45 | 3.67 |
| | | 050 | | 42.7 | 15.2 | 13.5 | 11.5 | 10.2 | 9.3 | 8.2 | 6.6 | 5.3 | 4.1 |
| | | 063 | | 58.2 | 38.2 | 34.0 | 28.9 | 25.7 | 23.4 | 20.6 | 16.7 | 13.6 | 10.8 |
| | | 080 | | 118 | 71.5 | 63.5 | 54.0 | 47.9 | 43.5 | 38.0 | 29.9 | 23.1 | |
| | | 100 | | 303 | 133 | 118 | 100 | 88 | 80 | 68 | 50 | 34 | |
| | | 125 | | 652 | 263 | 232 | 197 | 173 | 155 | 131 | 91 | | |
| | | 160 | | 1200 | 556 | 490 | 411 | 357 | 313 | 250 | | | |
| | | 200 | | 2120 | 982 | 865 | 722 | 622 | 540 | 418 | | | |
| | | 250 | | 4720 | 1460 | 1270 | 1050 | 880 | 730 | 490 | | | |
| | | 150 | | MS | 040 | 22.4 | 9.67 | 8.69 | 7.41 | 6.61 | 6.05 | 5.38 | 4.51 |
| 050 | 51.1 | | | | 18.0 | 16.1 | 13.8 | 12.3 | 11.2 | 9.9 | 8.2 | 6.9 | 5.8 |
| 063 | 69.9 | | | | 45.4 | 40.8 | 34.8 | 31.0 | 28.3 | 25.1 | 20.8 | 17.7 | 15.1 |
| 080 | 141 | | | | 84.8 | 76.2 | 64.9 | 57.8 | 52.7 | 46.5 | 37.9 | 31.5 | 25.6 |
| 100 | 363 | | | | 158 | 142 | 120 | 107 | 97 | 85 | 67 | 52 | |
| 125 | 782 | | | | 311 | 279 | 237 | 210 | 190 | 165 | 126 | 92 | |
| 160 | 1440 | | | | 658 | 589 | 497 | 436 | 389 | 324 | 211 | | |
| 200 | 2540 | | | | 1170 | 1040 | 870 | 760 | 670 | 540 | 310 | | |
| 250 | 5660 | | | | 1730 | 1540 | 1280 | 1090 | 940 | 700 | | | |
| 180 | MS | | | | 040 | 22.4 | 9.67 | 8.84 | 7.54 | 6.73 | 6.16 | 5.49 | 4.62 |
| | | 050 | | 51.1 | 18.0 | 16.4 | 14.0 | 12.5 | 11.4 | 10.1 | 8.5 | 7.3 | 6.3 |
| | | 063 | | 69.9 | 45.4 | 41.5 | 35.4 | 31.6 | 28.9 | 25.7 | 21.5 | 18.6 | 16.2 |
| | | 080 | 141 | 84.8 | 77.5 | 66.0 | 58.9 | 53.8 | 47.6 | 39.5 | 33.6 | 28.6 | |
| | | 100 | 363 | 158 | 144 | 123 | 109 | 99 | 87 | 71 | 58 | 46 | |
| | | 125 | 782 | 311 | 284 | 242 | 215 | 195 | 171 | 136 | 107 | 80 | |
| | | 160 | 1440 | 659 | 600 | 508 | 448 | 403 | 344 | 249 | | | |
| | | 200 | 2540 | 1170 | 1060 | 900 | 790 | 700 | 590 | 400 | | | |
| | | 250 | 5660 | 1740 | 1570 | 1320 | 1140 | 1000 | 800 | | | | |
| | | 210 | MS | 040 | 22.4 | 9.67 | 8.96 | 7.65 | 6.83 | 6.25 | 5.57 | 4.72 | 4.15 |
| 050 | 51.1 | | | 18.0 | 16.6 | 14.2 | 12.7 | 11.6 | 10.3 | 8.7 | 7.5 | 6.7 | |
| 063 | 69.9 | | | 45.4 | 42.1 | 35.9 | 32.1 | 29.3 | 26.1 | 22.0 | 19.2 | 17.0 | |
| 080 | 141 | | | 84.8 | 78.6 | 67.0 | 59.8 | 54.6 | 48.5 | 40.6 | 35.0 | 30.4 | |
| 100 | 363 | | | 158 | 146 | 124 | 111 | 101 | 89 | 74 | 62 | 51 | |
| 125 | 782 | | | 311 | 288 | 245 | 218 | 199 | 175 | 142 | 117 | 93 | |
| 160 | 1440 | | | 659 | 609 | 517 | 458 | 414 | 358 | 273 | 196 | | |
| 200 | 2540 | | | 1170 | 1080 | 910 | 810 | 730 | 620 | 450 | | | |
| 250 | 5660 | | | 1740 | 1600 | 1350 | 1180 | 1050 | 860 | 540 | | | |

Product specifications

| | |
|-----------------------|--------------------|
| Roller gear cam drive | Compact |
| | Standard |
| | Table |
| Wide angle | Basic |
| | Parallel cam drive |
| Pick and Place drive | Linear |
| | Circular |
| Option | |

Output torque table

● PCIS (1 dwell)

Product specifications

Roller gear cam drive

Compact

Standard

Table

Wide angle

Basic

Parallel cam drive

Linear

Circular

Pike and

Phase drive

Option

| Index number | Total index angle (deg) | Cam curve | Size | Static rated output torque (N·m) | Rated dynamic output torque (N·m) | | | | | | | | |
|--------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|------|
| | | | | | Input shaft rotational speed (rpm) | | | | | | | | |
| | | | | | 30 | 60 | 90 | 120 | 150 | 200 | 300 | 400 | 500 |
| 4 | 240 | MS | 040 | 22.4 | 9.67 | 9.07 | 7.74 | 6.91 | 6.33 | 5.65 | 4.79 | 4.23 | 3.82 |
| | | | 050 | 51.1 | 18.0 | 16.8 | 14.4 | 12.8 | 11.7 | 10.5 | 8.8 | 7.7 | 6.9 |
| | | | 063 | 69.9 | 45.4 | 42.6 | 36.3 | 32.5 | 29.7 | 26.5 | 22.4 | 19.6 | 17.6 |
| | | | 080 | 141 | 84.8 | 79.5 | 67.8 | 60.6 | 55.4 | 49.3 | 41.4 | 36.0 | 31.8 |
| | | | 100 | 363 | 158 | 148 | 126 | 112 | 103 | 91 | 76 | 65 | 55 |
| | | | 125 | 782 | 311 | 292 | 249 | 222 | 202 | 179 | 147 | 123 | 103 |
| | | | 160 | 1440 | 659 | 617 | 524 | 466 | 422 | 369 | 289 | 222 | |
| | | | 200 | 2540 | 1170 | 1090 | 930 | 820 | 740 | 640 | 490 | 350 | |
| | 250 | 5660 | 1740 | 1620 | 1370 | 1210 | 1080 | 910 | 620 | | | | |
| | 270 | MS | 040 | 22.4 | 9.67 | 9.15 | 7.82 | 6.99 | 6.40 | 5.71 | 4.85 | 4.30 | 3.89 |
| | | | 050 | 51.1 | 18.0 | 17.0 | 14.5 | 13.0 | 11.9 | 10.6 | 9.0 | 7.9 | 7.1 |
| | | | 063 | 69.9 | 45.4 | 43.0 | 36.7 | 32.8 | 30.1 | 26.8 | 22.7 | 20.0 | 18.0 |
| | | | 080 | 141 | 84.8 | 80.3 | 68.6 | 61.2 | 56.0 | 49.9 | 42.1 | 36.9 | 32.8 |
| | | | 100 | 363 | 158 | 149 | 127 | 114 | 104 | 92 | 77 | 67 | 58 |
| | | | 125 | 782 | 311 | 295 | 251 | 224 | 205 | 181 | 150 | 128 | 109 |
| | | | 160 | 1440 | 659 | 623 | 531 | 472 | 429 | 377 | 301 | 241 | 183 |
| | | | 200 | 2540 | 1170 | 1100 | 940 | 830 | 760 | 660 | 510 | 390 | |
| | 250 | 5660 | 1740 | 1640 | 1390 | 1230 | 1110 | 940 | 680 | 440 | | | |
| | 300 | MS | 040 | 22.4 | 9.67 | 9.15 | 7.90 | 7.06 | 6.47 | 5.77 | 4.91 | 4.36 | 3.95 |
| | | | 050 | 51.1 | 18.0 | 17.0 | 14.7 | 13.1 | 12.0 | 10.7 | 9.1 | 8.0 | 7.2 |
| | | | 063 | 69.9 | 45.4 | 43.0 | 37.1 | 33.1 | 30.4 | 27.1 | 23.0 | 20.3 | 18.3 |
| | | | 080 | 141 | 84.8 | 80.3 | 69.3 | 61.8 | 56.6 | 50.5 | 42.6 | 37.5 | 33.6 |
| | | | 100 | 363 | 158 | 149 | 129 | 115 | 105 | 93 | 78 | 68 | 60 |
| | | | 125 | 782 | 311 | 295 | 254 | 227 | 207 | 184 | 153 | 132 | 114 |
| | | | 160 | 1440 | 659 | 623 | 536 | 477 | 435 | 383 | 311 | 254 | 203 |
| | | | 200 | 2540 | 1170 | 1100 | 950 | 840 | 770 | 670 | 530 | 420 | 310 |
| | 250 | 5660 | 1740 | 1640 | 1410 | 1250 | 1130 | 970 | 730 | 510 | | | |
| | 330 | MS | 040 | 22.4 | 9.67 | 9.15 | 7.97 | 7.12 | 6.52 | 5.83 | 4.96 | 4.40 | 4.01 |
| 050 | | | 51.1 | 18.0 | 17.0 | 14.8 | 13.2 | 12.1 | 10.8 | 9.2 | 8.1 | 7.3 | |
| 063 | | | 69.9 | 45.4 | 43.0 | 37.4 | 33.4 | 30.6 | 27.3 | 23.2 | 20.6 | 18.6 | |
| 080 | | | 141 | 84.8 | 80.3 | 69.9 | 62.4 | 57.1 | 50.9 | 43.1 | 38.1 | 34.2 | |
| 100 | | | 363 | 158 | 149 | 130 | 116 | 106 | 94 | 80 | 69 | 62 | |
| 125 | | | 782 | 311 | 295 | 256 | 229 | 209 | 186 | 156 | 135 | 118 | |
| 160 | | | 1440 | 659 | 623 | 542 | 482 | 440 | 388 | 318 | 265 | 218 | |
| 200 | | | 2540 | 1170 | 1100 | 960 | 850 | 780 | 680 | 550 | 450 | 350 | |
| 250 | 5660 | 1740 | 1640 | 1420 | 1260 | 1140 | 990 | 770 | 570 | | | | |

Product specifications

| | | | | | | | |
|--------|---|--------------------|------------|-------|-----------------------|---------|--|
| Option | Pick and Place drive Linear Circular | Parallel cam drive | | | Roller gear cam drive | | |
| | | Basic | Wide angle | Table | Standard | Compact | |

Output torque table

● PCIS (2 dwell)

| | | Product specifications | | | | | | | | | | | | |
|---------|------|------------------------|-------------------------|------------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|
| | | Index number | Total index angle (deg) | Cam curve | Size | Static rated output torque (N·m) | Rated dynamic output torque (N·m) | | | | | | | |
| | | | | | | | Input shaft rotational speed (rpm) | | | | | | | |
| | | | | | | 15 | 30 | 45 | 60 | 75 | 100 | 150 | 200 | 250 |
| Compact | 6 | 120 | MS | 040 | 4.11 | 3.76 | 3.37 | 2.87 | 2.56 | 2.33 | 2.06 | 1.69 | 1.41 | 1.16 |
| | | | | 050 | 19.7 | 9.49 | 8.51 | 7.25 | 6.45 | 5.87 | 5.17 | 4.18 | 3.41 | 2.71 |
| | | | | 063 | 32.3 | 17.8 | 16.0 | 13.6 | 12.1 | 11.0 | 9.7 | 7.8 | 6.3 | 4.9 |
| | | | | 080 | 62.2 | 45.3 | 40.6 | 34.6 | 30.7 | 27.9 | 24.5 | 19.6 | 15.6 | 11.8 |
| | | | | 100 | 124 | 83.1 | 74.4 | 63.2 | 55.9 | 50.6 | 43.7 | 33.2 | 23.8 | |
| | | | | 125 | 319 | 156 | 140 | 118 | 104 | 94 | 80 | 58 | | |
| | | | | 160 | 702 | 347 | 311 | 264 | 233 | 210 | 181 | 134 | | |
| | | | | 200 | 1200 | 547 | 489 | 413 | 364 | 326 | 275 | 190 | | |
| | | | | 250 | 2230 | 1140 | 1020 | 860 | 760 | 670 | 560 | 360 | | |
| | | | | Standard | 6 | 150 | MS | 040 | 14.7 | 6.79 | 6.22 | 5.30 | 4.73 | 4.33 |
| 050 | 32.6 | 15.4 | 14.1 | | | | | 12.0 | 10.7 | 9.8 | 8.7 | 7.3 | 6.3 | 5.5 |
| 063 | 57.7 | 24.9 | 22.8 | | | | | 19.5 | 17.4 | 15.9 | 14.1 | 11.7 | 10.0 | 8.6 |
| 080 | 117 | 63.9 | 58.5 | | | | | 49.8 | 44.4 | 40.6 | 35.9 | 29.8 | 25.3 | 21.5 |
| 100 | 260 | 118 | 108 | | | | | 92 | 82 | 74 | 66 | 53 | 43 | 34 |
| 125 | 497 | 242 | 221 | | | | | 188 | 167 | 152 | 133 | 106 | 85 | 64 |
| 160 | 1220 | 526 | 481 | | | | | 408 | 362 | 328 | 286 | 223 | 168 | |
| 200 | 1610 | 817 | 746 | | | | | 633 | 560 | 505 | 435 | 324 | 223 | |
| 250 | 5060 | 1620 | 1480 | | | | | 1250 | 1100 | 990 | 830 | 570 | | |
| Table | 6 | 180 | MS | | | | | 040 | 23.2 | 10.4 | 9.7 | 8.2 | 7.4 | 6.7 |
| | | | | 050 | 52.9 | 19.3 | 18.0 | 15.3 | 13.7 | 12.5 | 11.2 | 9.4 | 8.3 | 7.4 |
| | | | | 063 | 72.1 | 48.6 | 45.2 | 38.6 | 34.5 | 31.6 | 28.1 | 23.7 | 20.9 | 18.7 |
| | | | | 080 | 146 | 90.9 | 84.6 | 72.2 | 64.4 | 58.9 | 52.4 | 44.1 | 38.4 | 33.9 |
| | | | | 100 | 376 | 170 | 158 | 135 | 120 | 110 | 97 | 81 | 69 | 59 |
| | | | | 125 | 808 | 334 | 311 | 265 | 236 | 216 | 191 | 157 | 132 | 111 |
| | | | | 160 | 1490 | 708 | 658 | 560 | 497 | 452 | 396 | 315 | 248 | 185 |
| | | | | 200 | 2630 | 1250 | 1160 | 990 | 880 | 800 | 690 | 540 | 410 | |
| | | | | 250 | 5860 | 1860 | 1720 | 1460 | 1290 | 1160 | 990 | 720 | 470 | |
| | | | | Wide angle | 6 | 210 | MS | 040 | 23.2 | 10.4 | 9.8 | 8.4 | 7.5 | 6.8 |
| 050 | 52.9 | 19.3 | 18.2 | | | | | 15.6 | 13.9 | 12.7 | 11.3 | 9.6 | 8.5 | 7.6 |
| 063 | 72.1 | 48.6 | 45.9 | | | | | 39.1 | 35.0 | 32.0 | 28.6 | 24.2 | 21.4 | 19.2 |
| 080 | 146 | 90.9 | 85.8 | | | | | 73.2 | 65.4 | 59.9 | 53.3 | 45.0 | 39.5 | 35.3 |
| 100 | 376 | 170 | 160 | | | | | 137 | 122 | 111 | 99 | 83 | 72 | 63 |
| 125 | 808 | 334 | 315 | | | | | 269 | 240 | 219 | 194 | 162 | 139 | 119 |
| 160 | 1490 | 708 | 667 | | | | | 568 | 506 | 461 | 406 | 329 | 270 | 216 |
| 200 | 2630 | 1250 | 1180 | | | | | 1000 | 890 | 810 | 710 | 570 | 460 | 350 |
| 250 | 5860 | 1860 | 1750 | | | | | 1490 | 1320 | 1190 | 1030 | 790 | 570 | |
| Basic | 6 | 240 | MS | | | | | 040 | 27.4 | 12.1 | 11.4 | 9.9 | 8.8 | 8.1 |
| | | | | 050 | 62.5 | 22.5 | 21.3 | 18.3 | 16.4 | 15.0 | 13.4 | 11.4 | 10.1 | 9.1 |
| | | | | 063 | 85.5 | 56.7 | 53.7 | 46.3 | 41.3 | 37.9 | 33.8 | 28.7 | 25.4 | 23.0 |
| | | | | 080 | 173 | 106 | 100 | 86 | 77 | 71 | 63 | 53 | 47 | 42 |
| | | | | 100 | 444 | 197 | 187 | 161 | 144 | 131 | 117 | 99 | 86 | 77 |
| | | | | 125 | 957 | 390 | 369 | 317 | 283 | 259 | 230 | 193 | 168 | 148 |
| | | | | 160 | 1770 | 824 | 780 | 670 | 597 | 545 | 481 | 395 | 330 | 273 |
| | | | | 200 | 3110 | 1460 | 1380 | 1180 | 1050 | 960 | 840 | 680 | 560 | 440 |
| | | | | 250 | 6920 | 2170 | 2050 | 1760 | 1560 | 1410 | 1230 | 950 | 710 | |
| | | | | Option | 6 | 270 | MS | 040 | 27.4 | 12.1 | 11.4 | 10.0 | 8.9 | 8.2 |
| 050 | 62.5 | 22.5 | 21.3 | | | | | 18.5 | 16.6 | 15.2 | 13.5 | 11.5 | 10.2 | 9.3 |
| 063 | 85.5 | 56.7 | 53.7 | | | | | 46.8 | 41.8 | 38.3 | 34.2 | 29.1 | 25.8 | 23.4 |
| 080 | 173 | 106 | 100 | | | | | 87 | 78 | 71 | 64 | 54 | 48 | 43 |
| 100 | 444 | 197 | 187 | | | | | 163 | 145 | 133 | 118 | 100 | 88 | 79 |
| 125 | 957 | 390 | 369 | | | | | 321 | 286 | 262 | 233 | 197 | 172 | 153 |
| 160 | 1770 | 824 | 780 | | | | | 678 | 604 | 552 | 489 | 405 | 344 | 292 |
| 200 | 3110 | 1460 | 1380 | | | | | 1200 | 1070 | 970 | 860 | 700 | 590 | 480 |
| 250 | 6920 | 2170 | 2050 | | | | | 1780 | 1580 | 1430 | 1260 | 1000 | 780 | 570 |

● PCIS (2 dwell)

| Index number | Total index angle (deg) | Cam curve | Size | Static rated output torque (N·m) | Rated dynamic output torque (N·m) | | | | | | | | |
|--------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|------|
| | | | | | Input shaft rotational speed (rpm) | | | | | | | | |
| | | | | | 15 | 30 | 45 | 60 | 75 | 100 | 150 | 200 | 250 |
| 6 | 300 | MS | 040 | 27.4 | 12.1 | 11.4 | 10.1 | 9.0 | 8.2 | 7.4 | 6.3 | 5.6 | 5.1 |
| | | | 050 | 62.5 | 22.5 | 21.3 | 18.7 | 16.7 | 15.3 | 13.7 | 11.6 | 10.3 | 9.4 |
| | | | 063 | 85.5 | 56.7 | 53.7 | 47.2 | 42.2 | 38.7 | 34.5 | 29.4 | 26.1 | 23.8 |
| | | | 080 | 173 | 106 | 100 | 88 | 79 | 72 | 64 | 55 | 49 | 44 |
| | | | 100 | 444 | 197 | 187 | 164 | 147 | 134 | 120 | 101 | 89 | 80 |
| | | | 125 | 957 | 390 | 369 | 324 | 289 | 265 | 236 | 199 | 175 | 156 |
| | | | 160 | 1770 | 824 | 780 | 685 | 611 | 558 | 495 | 413 | 354 | 306 |
| | | | 200 | 3110 | 1460 | 1380 | 1210 | 1080 | 990 | 870 | 720 | 610 | 510 |
| | | | 250 | 6920 | 2170 | 2050 | 1800 | 1600 | 1450 | 1280 | 1030 | 830 | 650 |
| | 330 | MS | 040 | 27.4 | 12.1 | 11.4 | 10.1 | 9.1 | 8.3 | 7.4 | 6.3 | 5.6 | 5.1 |
| | | | 050 | 62.5 | 22.5 | 21.3 | 18.8 | 16.9 | 15.4 | 13.8 | 11.7 | 10.4 | 9.5 |
| | | | 063 | 85.5 | 56.7 | 53.7 | 47.6 | 42.6 | 39.0 | 34.8 | 29.7 | 26.4 | 24.1 |
| | | | 080 | 173 | 106 | 100 | 89 | 79 | 73 | 65 | 55 | 49 | 45 |
| | | | 100 | 444 | 197 | 187 | 165 | 148 | 136 | 121 | 103 | 91 | 82 |
| | | | 125 | 957 | 390 | 369 | 326 | 292 | 267 | 238 | 202 | 178 | 160 |
| | | | 160 | 1770 | 824 | 780 | 690 | 617 | 564 | 501 | 419 | 363 | 317 |
| | | | 200 | 3110 | 1460 | 1380 | 1220 | 1090 | 1000 | 880 | 730 | 630 | 540 |
| | | | 250 | 6920 | 2170 | 2050 | 1810 | 1610 | 1470 | 1300 | 1060 | 870 | 700 |
| 8 | 90 | MS | 040 | 3.25 | 2.94 | 2.61 | 2.22 | 1.97 | 1.79 | 1.57 | 1.24 | 0.98 | |
| | | | 050 | 15.5 | 7.42 | 6.59 | 5.59 | 4.96 | 4.50 | 3.91 | 3.03 | 2.27 | |
| | | | 063 | 25.5 | 13.9 | 12.4 | 10.5 | 9.3 | 8.4 | 7.3 | 5.6 | 4.1 | |
| | | | 080 | 49.1 | 35.4 | 31.4 | 26.7 | 23.6 | 21.3 | 18.4 | 13.9 | 9.8 | |
| | | | 100 | 97.9 | 65.0 | 57.5 | 48.6 | 42.7 | 38.2 | 32.1 | 21.8 | | |
| | | | 125 | 252 | 122 | 108 | 91 | 79 | 70 | 58 | 35 | | |
| | | | 160 | 555 | 271 | 240 | 202 | 177 | 158 | 131 | 83 | | |
| | | | 200 | 944 | 428 | 377 | 316 | 275 | 241 | 193 | | | |
| | | | 250 | 1760 | 893 | 786 | 656 | 566 | 492 | 381 | | | |
| | 120 | MS | 040 | 11.8 | 5.37 | 4.88 | 4.16 | 3.71 | 3.40 | 3.01 | 2.52 | 2.17 | 1.88 |
| | | | 050 | 26.1 | 12.1 | 11.0 | 9.4 | 8.4 | 7.6 | 6.8 | 5.6 | 4.7 | 4.0 |
| | | | 063 | 46.1 | 19.7 | 17.9 | 15.3 | 13.6 | 12.4 | 10.9 | 9.0 | 7.5 | 6.1 |
| | | | 080 | 93.1 | 50.5 | 45.9 | 39.1 | 34.8 | 31.7 | 27.9 | 22.7 | 18.7 | 15.0 |
| | | | 100 | 208 | 93.1 | 84.5 | 71.9 | 63.8 | 57.9 | 50.5 | 39.6 | 30.4 | |
| | | | 125 | 397 | 191 | 173 | 147 | 130 | 118 | 102 | 78 | 57 | |
| | | | 160 | 973 | 415 | 376 | 319 | 282 | 254 | 217 | 159 | | |
| | | | 200 | 1290 | 647 | 585 | 494 | 434 | 389 | 327 | 221 | | |
| | | | 250 | 4050 | 1280 | 1160 | 970 | 850 | 750 | 610 | 340 | | |
| 150 | MS | 040 | 18.7 | 8.23 | 7.64 | 6.52 | 5.82 | 5.33 | 4.75 | 4.01 | 3.53 | 3.16 | |
| | | 050 | 42.7 | 15.3 | 14.2 | 12.1 | 10.8 | 9.9 | 8.8 | 7.4 | 6.4 | 5.6 | |
| | | 063 | 58.2 | 38.6 | 35.8 | 30.5 | 27.2 | 24.9 | 22.2 | 18.6 | 16.2 | 14.4 | |
| | | 080 | 118 | 72.2 | 67.0 | 57.1 | 50.9 | 46.5 | 41.3 | 34.5 | 29.7 | 25.7 | |
| | | 100 | 303 | 135 | 125 | 106 | 95 | 86 | 76 | 63 | 52 | 43 | |
| | | 125 | 652 | 265 | 246 | 209 | 186 | 169 | 149 | 121 | 98 | 78 | |
| | | 160 | 1200 | 561 | 520 | 441 | 391 | 354 | 307 | 235 | 173 | | |
| | | 200 | 2120 | 993 | 919 | 779 | 689 | 622 | 535 | 399 | 273 | | |
| | | 250 | 4720 | 1480 | 1360 | 1150 | 1010 | 900 | 750 | 500 | | | |
| 180 | MS | 040 | 22.4 | 9.67 | 9.12 | 7.78 | 6.95 | 6.37 | 5.68 | 4.82 | 4.27 | 3.86 | |
| | | 050 | 51.1 | 18.0 | 16.9 | 14.4 | 12.9 | 11.8 | 10.5 | 8.9 | 7.8 | 7.0 | |
| | | 063 | 69.9 | 45.4 | 42.8 | 36.5 | 32.6 | 29.9 | 26.6 | 22.5 | 19.8 | 17.8 | |
| | | 080 | 141 | 84.8 | 80.0 | 68.2 | 60.9 | 55.7 | 49.6 | 41.7 | 36.5 | 32.3 | |
| | | 100 | 363 | 158 | 149 | 127 | 113 | 103 | 92 | 76 | 66 | 57 | |
| | | 125 | 782 | 311 | 293 | 250 | 223 | 203 | 180 | 149 | 126 | 106 | |
| | | 160 | 1440 | 659 | 620 | 528 | 469 | 426 | 373 | 295 | 232 | 170 | |
| | | 200 | 2540 | 1170 | 1100 | 930 | 830 | 750 | 650 | 500 | 370 | | |
| | | 250 | 5660 | 1740 | 1630 | 1380 | 1220 | 1090 | 930 | 660 | | | |

Product specifications

| | |
|-----------------------|--------------------|
| Roller gear cam drive | Compact |
| | Standard |
| | Table |
| Wide angle | Basic |
| | Parallel cam drive |
| Pitch and Pitch Error | Linear |
| | Circular |
| Option | |

Output torque table

● PCIS (2 dwell)

| Product specifications | | Index number | Total index angle (deg) | Cam curve | Size | Static rated output torque (N·m) | Rated dynamic output torque (N·m) | | | | | | | | |
|------------------------|------------------------------------|--------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|------|
| | | | | | | | Input shaft rotational speed (rpm) | | | | | | | | |
| | | | | | | | 15 | 30 | 45 | 60 | 75 | 100 | 150 | 200 | 250 |
| 8 | Roller gear cam drive | 210 | MS | 040 | 22.4 | 9.67 | 9.15 | 7.89 | 7.05 | 6.46 | 5.77 | 4.90 | 4.35 | 3.95 | |
| | | | | 050 | 51.1 | 18.0 | 17.0 | 14.7 | 13.1 | 12.0 | 10.7 | 9.1 | 8.0 | 7.2 | |
| | | | | 063 | 69.9 | 45.4 | 43.0 | 37.1 | 33.1 | 30.3 | 27.0 | 22.9 | 20.3 | 18.3 | |
| | | | | 080 | 141 | 84.8 | 80.3 | 69.2 | 61.8 | 56.6 | 50.4 | 42.6 | 37.4 | 33.5 | |
| | | | | 100 | 363 | 158 | 149 | 129 | 115 | 105 | 93 | 78 | 68 | 60 | |
| | | | | 125 | 782 | 311 | 295 | 254 | 226 | 207 | 184 | 153 | 132 | 114 | |
| | | | | 160 | 1440 | 659 | 623 | 536 | 477 | 434 | 382 | 310 | 253 | 201 | |
| | | | | 200 | 2540 | 1170 | 1100 | 950 | 840 | 770 | 670 | 530 | 420 | 310 | |
| | 250 | 5660 | 1740 | 1640 | 1410 | 1240 | 1120 | 970 | 730 | 510 | | | | | |
| | Table | Standard | 240 | MS | 040 | 22.4 | 9.67 | 9.15 | 7.99 | 7.14 | 6.54 | 5.84 | 4.97 | 4.42 | 4.02 |
| | | | | | 050 | 51.1 | 18.0 | 17.0 | 14.8 | 13.3 | 12.1 | 10.8 | 9.2 | 8.1 | 7.4 |
| | | | | | 063 | 69.9 | 45.4 | 43.0 | 37.5 | 33.5 | 30.7 | 27.4 | 23.3 | 20.6 | 18.7 |
| | | | | | 080 | 141 | 84.8 | 80.3 | 70.0 | 62.6 | 57.3 | 51.1 | 43.3 | 38.2 | 34.4 |
| | | | | | 100 | 363 | 158 | 149 | 130 | 116 | 106 | 95 | 80 | 70 | 62 |
| | | | | | 125 | 782 | 311 | 295 | 257 | 229 | 210 | 186 | 156 | 136 | 119 |
| | | | | | 160 | 1440 | 659 | 623 | 543 | 484 | 441 | 390 | 320 | 268 | 222 |
| | | | | | 200 | 2540 | 1170 | 1100 | 960 | 850 | 780 | 690 | 550 | 450 | 360 |
| | 250 | 5660 | 1740 | 1640 | 1430 | 1270 | 1150 | 1000 | 780 | 580 | | | | | |
| | Wide angle | Basic | 270 | MS | 040 | 22.4 | 9.67 | 9.15 | 8.07 | 7.22 | 6.61 | 5.91 | 5.03 | 4.48 | 4.08 |
| | | | | | 050 | 51.1 | 18.0 | 17.0 | 15.0 | 13.4 | 12.3 | 11.0 | 9.3 | 8.3 | 7.5 |
| | | | | | 063 | 69.9 | 45.4 | 43.0 | 37.9 | 33.9 | 31.0 | 27.7 | 23.6 | 20.9 | 19.0 |
| | | | | | 080 | 141 | 84.8 | 80.3 | 70.8 | 63.3 | 57.9 | 51.7 | 43.9 | 38.8 | 35.1 |
| | | | | | 100 | 363 | 158 | 149 | 132 | 118 | 108 | 96 | 81 | 71 | 64 |
| | | | | | 125 | 782 | 311 | 295 | 260 | 232 | 212 | 189 | 159 | 139 | 123 |
| 160 | | | | | 1440 | 659 | 624 | 549 | 490 | 447 | 396 | 328 | 279 | 237 | |
| 200 | | | | | 2540 | 1170 | 1100 | 970 | 870 | 790 | 700 | 570 | 480 | 390 | |
| 250 | 5660 | 1740 | 1640 | 1440 | 1280 | 1170 | 1020 | 810 | 640 | 470 | | | | | |
| Parallel cam drive | Basic | 300 | MS | 040 | 22.4 | 9.67 | 9.15 | 8.10 | 7.28 | 6.68 | 5.96 | 5.08 | 4.53 | 4.13 | |
| | | | | 050 | 51.1 | 18.0 | 17.0 | 15.1 | 13.5 | 12.4 | 11.1 | 9.4 | 8.4 | 7.6 | |
| | | | | 063 | 69.9 | 45.4 | 43.0 | 38.1 | 34.2 | 31.3 | 28.0 | 23.8 | 21.2 | 19.3 | |
| | | | | 080 | 141 | 84.8 | 80.3 | 71.1 | 63.9 | 58.5 | 52.2 | 44.4 | 39.4 | 35.7 | |
| | | | | 100 | 363 | 158 | 149 | 132 | 119 | 109 | 97 | 82 | 72 | 65 | |
| | | | | 125 | 782 | 311 | 295 | 261 | 234 | 214 | 191 | 161 | 142 | 126 | |
| | | | | 160 | 1440 | 659 | 624 | 552 | 495 | 452 | 401 | 334 | 287 | 248 | |
| | | | | 200 | 2540 | 1170 | 1100 | 980 | 880 | 800 | 710 | 580 | 490 | 420 | |
| 250 | 5660 | 1740 | 1640 | 1450 | 1300 | 1180 | 1040 | 840 | 680 | 530 | | | | | |
| Option | Circular Pike and Rope drive | 330 | MS | 040 | 22.4 | 9.67 | 9.15 | 8.10 | 7.35 | 6.73 | 6.02 | 5.13 | 4.57 | 4.17 | |
| | | | | 050 | 51.1 | 18.0 | 17.0 | 15.1 | 13.6 | 12.5 | 11.2 | 9.5 | 8.5 | 7.7 | |
| | | | | 063 | 69.9 | 45.4 | 43.0 | 38.1 | 34.5 | 31.6 | 28.2 | 24.0 | 21.4 | 19.5 | |
| | | | | 080 | 141 | 84.8 | 80.3 | 71.1 | 64.4 | 59.0 | 52.7 | 44.8 | 39.8 | 36.2 | |
| | | | | 100 | 363 | 158 | 149 | 132 | 120 | 110 | 98 | 83 | 73 | 66 | |
| | | | | 125 | 782 | 311 | 295 | 261 | 236 | 216 | 193 | 163 | 144 | 129 | |
| | | | | 160 | 1440 | 659 | 624 | 552 | 499 | 457 | 406 | 340 | 294 | 257 | |
| | | | | 200 | 2540 | 1170 | 1100 | 980 | 880 | 810 | 720 | 600 | 510 | 440 | |
| 250 | 5660 | 1740 | 1640 | 1450 | 1310 | 1200 | 1050 | 860 | 710 | 580 | | | | | |

Product specifications

| | | | | | | | |
|--------|---|--------------------|------------|-------|-----------------------|---------|--|
| Option | Pick and Place drive Linear Circular | Parallel cam drive | | | Roller gear cam drive | | |
| | | Basic | Wide angle | Table | Standard | Compact | |

Output torque table



| | | | | | | | | | | | | | |
|------------------------|-------------------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|
| Product specifications | Oscillating angle (deg) | Total index angle (deg) | Cam curve | Size | Static rated output torque (N-m) | Rated dynamic output torque (N-m) | | | | | | | |
| | | | | | | Input shaft rotational speed (rpm) | | | | | | | |
| Compact | 120 | MS | 040 | 22.4 | 9.67 | 8.79 | 7.50 | 6.70 | 6.13 | 5.46 | 4.61 | 4.04 | 3.60 |
| | | | 050 | 51.1 | 18.0 | 16.3 | 13.9 | 12.4 | 11.4 | 10.1 | 8.4 | 7.3 | 6.4 |
| Standard | 180 | MS | 063 | 69.9 | 45.4 | 41.3 | 35.2 | 31.4 | 28.7 | 25.6 | 21.4 | 18.6 | 16.4 |
| | | | 080 | 141 | 84.8 | 77.1 | 65.7 | 58.6 | 53.5 | 47.5 | 39.5 | 33.9 | 29.1 |
| Table | 240 | MS | 100 | 363 | 158 | 143 | 122 | 109 | 99 | 87 | 71 | 59 | 48 |
| | | | 125 | 782 | 311 | 283 | 241 | 214 | 195 | 171 | 138 | 112 | 88 |
| Wide angle | 300 | MS | 160 | 1440 | 659 | 597 | 506 | 447 | 403 | 345 | 253 | 167 | |
| | | | 200 | 2540 | 1170 | 1060 | 890 | 790 | 700 | 590 | 410 | | |
| Basic | 360 | MS | 250 | 5660 | 1740 | 1570 | 1310 | 1140 | 1000 | 810 | 430 | | |
| | | | 040 | 22.4 | 9.67 | 9.12 | 7.78 | 6.95 | 6.37 | 5.69 | 4.83 | 4.28 | 3.88 |
| Parallel cam drive | 90 | MS | 050 | 51.1 | 18.0 | 16.9 | 14.5 | 12.9 | 11.8 | 10.5 | 8.9 | 7.9 | 7.1 |
| | | | 063 | 69.9 | 45.4 | 42.8 | 36.6 | 32.7 | 29.9 | 26.7 | 22.6 | 20.0 | 18.0 |
| Option | 90 | MS | 080 | 141 | 84.8 | 80.0 | 68.2 | 60.9 | 55.8 | 49.7 | 42.0 | 36.9 | 32.9 |
| | | | 100 | 363 | 158 | 149 | 127 | 113 | 104 | 92 | 77 | 67 | 59 |
| Option | 90 | MS | 125 | 782 | 311 | 293 | 250 | 223 | 204 | 181 | 151 | 130 | 112 |
| | | | 160 | 1440 | 659 | 621 | 528 | 470 | 428 | 376 | 302 | 244 | 189 |
| Option | 90 | MS | 200 | 2540 | 1170 | 1100 | 930 | 830 | 750 | 660 | 520 | 400 | |
| | | | 250 | 5660 | 1740 | 1630 | 1380 | 1220 | 1100 | 950 | 690 | 460 | |
| Option | 90 | MS | 040 | 22.4 | 9.67 | 9.15 | 7.99 | 7.14 | 6.54 | 5.84 | 4.97 | 4.43 | 4.03 |
| | | | 050 | 51.1 | 18.0 | 17.0 | 14.8 | 13.3 | 12.1 | 10.8 | 9.2 | 8.2 | 7.4 |
| Option | 90 | MS | 063 | 69.9 | 45.4 | 43.0 | 37.5 | 33.5 | 30.7 | 27.4 | 23.3 | 20.7 | 18.8 |
| | | | 080 | 141 | 84.8 | 80.3 | 70.1 | 62.6 | 57.3 | 51.2 | 43.4 | 38.4 | 34.8 |
| Option | 90 | MS | 100 | 363 | 158 | 149 | 130 | 116 | 107 | 95 | 80 | 71 | 63 |
| | | | 125 | 782 | 311 | 295 | 257 | 229 | 210 | 187 | 158 | 138 | 123 |
| Option | 90 | MS | 160 | 1440 | 659 | 624 | 543 | 484 | 442 | 392 | 324 | 275 | 233 |
| | | | 200 | 2540 | 1170 | 1100 | 960 | 860 | 780 | 690 | 560 | 470 | 390 |
| Option | 90 | MS | 250 | 5660 | 1740 | 1640 | 1430 | 1270 | 1150 | 1010 | 800 | 620 | 450 |
| | | | 040 | 22.4 | 9.67 | 9.15 | 8.10 | 7.29 | 6.68 | 5.96 | 5.08 | 4.53 | 4.14 |
| Option | 90 | MS | 050 | 51.1 | 18.0 | 17.0 | 15.1 | 13.5 | 12.4 | 11.1 | 9.4 | 8.4 | 7.6 |
| | | | 063 | 69.9 | 45.4 | 43.0 | 38.1 | 34.2 | 31.4 | 28.0 | 23.8 | 21.2 | 19.4 |
| Option | 90 | MS | 080 | 141 | 84.8 | 80.3 | 71.1 | 63.9 | 58.5 | 52.3 | 44.5 | 39.5 | 35.9 |
| | | | 100 | 363 | 158 | 149 | 132 | 119 | 109 | 97 | 82 | 73 | 66 |
| Option | 90 | MS | 125 | 782 | 311 | 295 | 261 | 234 | 215 | 191 | 162 | 143 | 129 |
| | | | 160 | 1440 | 659 | 624 | 552 | 495 | 453 | 402 | 337 | 292 | 255 |
| Option | 90 | MS | 200 | 2540 | 1170 | 1100 | 980 | 880 | 800 | 710 | 590 | 510 | 440 |
| | | | 250 | 5660 | 1740 | 1640 | 1450 | 1300 | 1190 | 1050 | 850 | 700 | 570 |
| Option | 90 | MS | 040 | 22.4 | 9.67 | 9.15 | 8.10 | 7.41 | 6.79 | 6.07 | 5.17 | 4.61 | 4.22 |
| | | | 050 | 51.1 | 18.0 | 17.0 | 15.1 | 13.8 | 12.6 | 11.3 | 9.6 | 8.5 | 7.8 |
| Option | 90 | MS | 063 | 69.9 | 45.4 | 43.0 | 38.1 | 34.8 | 31.9 | 28.5 | 24.3 | 21.6 | 19.8 |
| | | | 080 | 141 | 84.8 | 80.3 | 71.1 | 65.0 | 59.5 | 53.2 | 45.3 | 40.3 | 36.7 |
| Option | 90 | MS | 100 | 363 | 158 | 149 | 132 | 121 | 111 | 99 | 84 | 75 | 68 |
| | | | 125 | 782 | 311 | 295 | 261 | 238 | 218 | 195 | 165 | 147 | 133 |
| Option | 90 | MS | 160 | 1440 | 659 | 624 | 552 | 504 | 461 | 411 | 346 | 303 | 269 |
| | | | 200 | 2540 | 1170 | 1110 | 980 | 890 | 820 | 730 | 610 | 530 | 460 |
| Option | 90 | MS | 250 | 5660 | 1740 | 1650 | 1450 | 1330 | 1210 | 1070 | 890 | 750 | 640 |
| | | | 040 | 31.1 | 14.0 | 12.6 | 10.8 | 9.6 | 8.8 | 7.8 | 6.6 | 5.8 | 5.2 |
| Option | 90 | MS | 050 | 70.9 | 26.1 | 23.5 | 20.0 | 17.9 | 16.4 | 14.6 | 12.2 | 10.6 | 9.4 |
| | | | 063 | 96.9 | 65.6 | 59.2 | 50.5 | 45.1 | 41.3 | 36.7 | 30.9 | 27.0 | 23.9 |
| Option | 90 | MS | 080 | 196 | 123 | 111 | 94 | 84 | 77 | 68 | 57 | 49 | 43 |
| | | | 100 | 503 | 229 | 206 | 176 | 157 | 143 | 126 | 104 | 88 | 73 |
| Option | 90 | MS | 125 | 1080 | 451 | 407 | 347 | 309 | 281 | 248 | 202 | 167 | 135 |
| | | | 160 | 2000 | 954 | 859 | 729 | 645 | 583 | 503 | 380 | 270 | |
| Option | 90 | MS | 200 | 3520 | 1690 | 1520 | 1280 | 1130 | 1020 | 870 | 630 | | |
| | | | 250 | 7850 | 2500 | 2240 | 1890 | 1650 | 1460 | 1200 | 720 | | |



| Oscillating angle (deg) | Total index angle (deg) | Cam curve | Size | Static rated output torque (N-m) | Rated dynamic output torque (N-m) | | | | | | | | |
|-------------------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|------|
| | | | | | Input shaft rotational speed (rpm) | | | | | | | | |
| | | | | | 15 | 30 | 45 | 60 | 75 | 100 | 150 | 200 | 250 |
| 30 | 120 | MS | 040 | 31.1 | 14.0 | 12.9 | 11.0 | 9.9 | 9.0 | 8.1 | 6.9 | 6.1 | 5.5 |
| | | | 050 | 70.9 | 26.1 | 24.1 | 20.6 | 18.4 | 16.8 | 15.0 | 12.7 | 11.2 | 10.0 |
| | | | 063 | 96.9 | 65.6 | 60.8 | 51.9 | 46.3 | 42.4 | 37.8 | 32.1 | 28.3 | 25.5 |
| | | | 080 | 196 | 123 | 113 | 97 | 86 | 79 | 70 | 59 | 52 | 47 |
| | | | 100 | 503 | 229 | 212 | 181 | 161 | 147 | 131 | 110 | 95 | 83 |
| | | | 125 | 1080 | 451 | 418 | 356 | 318 | 290 | 258 | 215 | 184 | 159 |
| | | | 160 | 2000 | 954 | 883 | 751 | 668 | 607 | 533 | 427 | 342 | 262 |
| | | | 200 | 3520 | 1690 | 1560 | 1320 | 1180 | 1070 | 930 | 730 | 560 | |
| | | | 250 | 7850 | 2500 | 2310 | 1960 | 1730 | 1550 | 1330 | 970 | | |
| | 180 | MS | 040 | 31.1 | 14.0 | 13.2 | 11.5 | 10.2 | 9.4 | 8.4 | 7.1 | 6.4 | 5.8 |
| | | | 050 | 70.9 | 26.1 | 24.7 | 21.4 | 19.1 | 17.5 | 15.6 | 13.3 | 11.8 | 10.7 |
| | | | 063 | 96.9 | 65.6 | 62.1 | 53.8 | 48.1 | 44.1 | 39.4 | 33.5 | 29.8 | 27.1 |
| | | | 080 | 196 | 123 | 116 | 100 | 90 | 82 | 73 | 62 | 55 | 50 |
| | | | 100 | 503 | 229 | 217 | 188 | 168 | 153 | 137 | 116 | 102 | 92 |
| | | | 125 | 1080 | 451 | 427 | 370 | 330 | 302 | 269 | 228 | 200 | 179 |
| | | | 160 | 2000 | 955 | 903 | 781 | 697 | 637 | 565 | 470 | 402 | 346 |
| | | | 200 | 3520 | 1690 | 1600 | 1380 | 1230 | 1120 | 990 | 820 | 690 | 580 |
| | | | 250 | 7850 | 2500 | 2370 | 2040 | 1820 | 1650 | 1450 | 1160 | 930 | 720 |
| | 240 | MS | 040 | 31.1 | 14.0 | 13.2 | 11.7 | 10.5 | 9.6 | 8.6 | 7.3 | 6.6 | 6.0 |
| | | | 050 | 70.9 | 26.1 | 24.7 | 21.8 | 19.6 | 18.0 | 16.0 | 13.7 | 12.2 | 11.1 |
| | | | 063 | 96.9 | 65.6 | 62.1 | 55.0 | 49.4 | 45.2 | 40.4 | 34.4 | 30.7 | 28.0 |
| | | | 080 | 196 | 123 | 116 | 103 | 92 | 84 | 75 | 64 | 57 | 52 |
| | | | 100 | 503 | 229 | 217 | 192 | 172 | 158 | 141 | 120 | 106 | 96 |
| | | | 125 | 1080 | 451 | 427 | 378 | 339 | 311 | 277 | 235 | 209 | 189 |
| 160 | | | 2000 | 955 | 904 | 799 | 717 | 656 | 584 | 491 | 429 | 381 | |
| 200 | | | 3520 | 1690 | 1600 | 1410 | 1270 | 1160 | 1030 | 860 | 750 | 660 | |
| 250 | | | 7850 | 2500 | 2370 | 2090 | 1870 | 1710 | 1510 | 1250 | 1060 | 890 | |
| 300 | MS | 040 | 31.1 | 14.0 | 13.2 | 11.7 | 10.7 | 9.8 | 8.8 | 7.5 | 6.7 | 6.1 | |
| | | 050 | 70.9 | 26.1 | 24.7 | 21.8 | 20.0 | 18.3 | 16.4 | 14.0 | 12.5 | 11.4 | |
| | | 063 | 96.9 | 65.6 | 62.1 | 55.0 | 50.4 | 46.2 | 41.3 | 35.2 | 31.4 | 28.7 | |
| | | 080 | 196 | 123 | 116 | 103 | 94 | 86 | 77 | 66 | 59 | 53 | |
| | | 100 | 503 | 229 | 217 | 192 | 176 | 161 | 144 | 122 | 109 | 99 | |
| | | 125 | 1080 | 451 | 427 | 378 | 346 | 317 | 283 | 241 | 214 | 195 | |
| | | 160 | 2000 | 955 | 904 | 800 | 732 | 670 | 597 | 506 | 446 | 400 | |
| | | 200 | 3520 | 1690 | 1600 | 1410 | 1290 | 1180 | 1050 | 890 | 780 | 700 | |
| | | 250 | 7850 | 2500 | 2370 | 2100 | 1920 | 1750 | 1560 | 1300 | 1120 | 980 | |
| 360 | MS | 040 | 31.1 | 14.0 | 13.2 | 11.7 | 10.7 | 10.0 | 8.9 | 7.6 | 6.8 | 6.2 | |
| | | 050 | 70.9 | 26.1 | 24.7 | 21.8 | 20.0 | 18.6 | 16.7 | 14.2 | 12.7 | 11.6 | |
| | | 063 | 96.9 | 65.6 | 62.2 | 55.0 | 50.5 | 46.9 | 42.0 | 35.8 | 31.9 | 29.2 | |
| | | 080 | 196 | 123 | 116 | 103 | 94 | 88 | 78 | 67 | 60 | 54 | |
| | | 100 | 503 | 229 | 217 | 192 | 176 | 164 | 146 | 125 | 111 | 101 | |
| | | 125 | 1080 | 451 | 427 | 378 | 347 | 323 | 288 | 245 | 219 | 199 | |
| | | 160 | 2000 | 955 | 904 | 800 | 733 | 682 | 608 | 516 | 457 | 413 | |
| | | 200 | 3520 | 1690 | 1600 | 1410 | 1300 | 1200 | 1070 | 910 | 800 | 720 | |
| | | 250 | 7850 | 2500 | 2370 | 2100 | 1920 | 1780 | 1590 | 1340 | 1170 | 1040 | |
| 15 | 60 | MS | 040 | 35.0 | 16.3 | 14.7 | 12.5 | 11.2 | 10.2 | 9.1 | 7.7 | 6.8 | 6.1 |
| | | | 050 | 79.8 | 30.5 | 27.4 | 23.4 | 20.9 | 19.1 | 17.0 | 14.3 | 12.4 | 10.9 |
| | | | 063 | 109 | 76.7 | 68.8 | 58.7 | 52.4 | 48.0 | 42.7 | 35.9 | 31.4 | 27.9 |
| | | | 080 | 220 | 143 | 128 | 110 | 98 | 89 | 79 | 66 | 57 | 50 |
| | | | 100 | 567 | 268 | 240 | 205 | 183 | 167 | 147 | 122 | 103 | 86 |
| | | | 125 | 1220 | 529 | 474 | 404 | 360 | 328 | 289 | 236 | 196 | 159 |
| | | | 160 | 2250 | 1120 | 1000 | 850 | 750 | 680 | 590 | 450 | 320 | |
| | | | 200 | 3970 | 1970 | 1760 | 1490 | 1320 | 1190 | 1010 | 740 | | |
| | | | 250 | 8830 | 2910 | 2600 | 2190 | 1910 | 1700 | 1390 | 850 | | |

Product specifications

| | |
|-----------------------|------------|
| Roller gear cam drive | Compact |
| | Standard |
| | Table |
| Wide angle | Table |
| | Wide angle |
| Basic | Table |
| | Wide angle |
| Parallel cam drive | Table |
| | Wide angle |
| Pig and Pigeon drive | Table |
| | Wide angle |
| Option | Table |
| | Wide angle |

Output torque table



| | | | | | | | | | | | | | | |
|------------------------|-------------------------|-------------------------|-----------|------------|----------------------------------|------------------------------------|--------|--------|----------|-------------------|-----|-----|-----|-----|
| Product specifications | Oscillating angle (deg) | Total index angle (deg) | Cam curve | Size | Static rated output torque (N-m) | Rated dynamic output torque (N-m) | | | | | | | | |
| | | | | | | Input shaft rotational speed (rpm) | | | | | | | | |
| | | | | | | 15 | 30 | 45 | 60 | 75 | 100 | 150 | 200 | 250 |
| | | | | | | 040 | 050 | 063 | 080 | 100 | 125 | 160 | 200 | 250 |
| Roller gear cam drive | Table | Standard | Compact | Wide angle | Basic | Parallel cam drive | Option | Linear | Circular | P&R and P&R drive | | | | |
| | | | | | | | | | | | 90 | 120 | 180 | 240 |

| Product specifications | Oscillating angle (deg) | Total index angle (deg) | Cam curve | Size | Static rated output torque (N-m) | Rated dynamic output torque (N-m) | | | | | | | | | |
|------------------------|-------------------------|-------------------------|-----------|------|----------------------------------|------------------------------------|------|------|------|------|------|------|------|------|------|
| | | | | | | Input shaft rotational speed (rpm) | | | | | | | | | |
| | | | | | | 15 | 30 | 45 | 60 | 75 | 100 | 150 | 200 | 250 | |
| | | | | | | 040 | 050 | 063 | 080 | 100 | 125 | 160 | 200 | 250 | |
| 15 | 90 | MS | 040 | 35.0 | 16.3 | 15.2 | 13.0 | 11.6 | 10.6 | 9.5 | 8.1 | 7.2 | 6.5 | | |
| | | | 050 | 79.8 | 30.5 | 28.4 | 24.3 | 21.7 | 19.9 | 17.7 | 15.0 | 13.3 | 12.0 | | |
| | | | 063 | 109 | 76.7 | 71.4 | 60.9 | 54.4 | 49.9 | 44.5 | 37.8 | 33.4 | 30.2 | | |
| | | | 080 | 220 | 143 | 133 | 114 | 102 | 93 | 83 | 70 | 62 | 56 | | |
| | | | 100 | 567 | 268 | 250 | 213 | 190 | 174 | 155 | 130 | 114 | 101 | | |
| | | | 125 | 1220 | 529 | 492 | 420 | 375 | 343 | 305 | 255 | 221 | 194 | | |
| | | | 160 | 2250 | 1120 | 1040 | 880 | 790 | 720 | 630 | 520 | 430 | 340 | | |
| | | | 200 | 3970 | 1970 | 1830 | 1560 | 1390 | 1260 | 1110 | 890 | 710 | 550 | | |
| | | | 250 | 8830 | 2910 | 2710 | 2300 | 2030 | 1840 | 1590 | 1210 | 860 | | | |
| | | | 120 | MS | 040 | 35.0 | 16.3 | 15.5 | 13.3 | 11.9 | 10.9 | 9.7 | 8.3 | 7.4 | 6.7 |
| | | | | | 050 | 79.8 | 30.5 | 28.9 | 24.9 | 22.3 | 20.4 | 18.2 | 15.5 | 13.8 | 12.5 |
| | | | | | 063 | 109 | 76.7 | 72.6 | 62.5 | 55.9 | 51.2 | 45.7 | 38.9 | 34.6 | 31.5 |
| | 080 | 220 | | | 143 | 136 | 117 | 104 | 96 | 85 | 72 | 64 | 58 | | |
| | 100 | 567 | | | 268 | 254 | 219 | 195 | 179 | 159 | 135 | 119 | 107 | | |
| | 125 | 1220 | | | 529 | 501 | 431 | 385 | 352 | 314 | 265 | 233 | 209 | | |
| | 160 | 2250 | | | 1120 | 1060 | 910 | 810 | 740 | 660 | 550 | 470 | 400 | | |
| | 200 | 3970 | | | 1970 | 1860 | 1600 | 1430 | 1300 | 1150 | 950 | 810 | 680 | | |
| | 250 | 8830 | | | 2920 | 2760 | 2370 | 2100 | 1920 | 1680 | 1350 | 1090 | 840 | | |
| | 180 | MS | | | 040 | 35.0 | 16.3 | 15.5 | 13.7 | 12.4 | 11.3 | 10.1 | 8.6 | 7.7 | 7.0 |
| | | | | | 050 | 79.8 | 30.5 | 28.9 | 25.6 | 23.1 | 21.2 | 18.9 | 16.1 | 14.4 | 13.1 |
| | | | | | 063 | 109 | 76.7 | 72.6 | 64.3 | 58.0 | 53.1 | 47.5 | 40.5 | 36.1 | 33.0 |
| | | | 080 | 220 | 143 | 136 | 120 | 108 | 99 | 89 | 76 | 67 | 61 | | |
| | | | 100 | 567 | 268 | 254 | 225 | 203 | 186 | 166 | 141 | 125 | 114 | | |
| | | | 125 | 1220 | 529 | 501 | 443 | 400 | 366 | 327 | 278 | 247 | 224 | | |
| 160 | | | 2250 | 1120 | 1060 | 940 | 840 | 770 | 690 | 580 | 510 | 460 | | | |
| 200 | | | 3970 | 1970 | 1860 | 1650 | 1490 | 1360 | 1210 | 1020 | 890 | 790 | | | |
| 250 | | | 8830 | 2920 | 2760 | 2440 | 2200 | 2010 | 1780 | 1480 | 1270 | 1100 | | | |
| 240 | | | MS | 040 | 35.0 | 16.3 | 15.5 | 13.7 | 12.6 | 11.6 | 10.4 | 8.9 | 7.9 | 7.2 | |
| | | | | 050 | 79.8 | 30.5 | 28.9 | 25.6 | 23.5 | 21.7 | 19.4 | 16.6 | 14.8 | 13.5 | |
| | | | | 063 | 109 | 76.7 | 72.6 | 64.3 | 59.0 | 54.6 | 48.7 | 41.6 | 37.1 | 34.0 | |
| | 080 | 220 | | 143 | 136 | 120 | 110 | 102 | 91 | 78 | 69 | 63 | | | |
| | 100 | 567 | | 268 | 254 | 225 | 206 | 191 | 170 | 145 | 129 | 118 | | | |
| | 125 | 1220 | | 529 | 501 | 443 | 407 | 376 | 336 | 286 | 255 | 232 | | | |
| | 160 | 2250 | | 1120 | 1060 | 940 | 860 | 790 | 710 | 600 | 530 | 480 | | | |
| | 200 | 3970 | | 1970 | 1870 | 1650 | 1510 | 1400 | 1250 | 1060 | 930 | 840 | | | |
| | 250 | 8830 | | 2920 | 2760 | 2440 | 2240 | 2070 | 1840 | 1550 | 1350 | 1200 | | | |
| | 300 | MS | | 040 | 35.0 | 16.3 | 15.5 | 13.7 | 12.6 | 11.7 | 10.6 | 9.0 | 8.1 | 7.4 | |
| | | | | 050 | 79.8 | 30.5 | 28.9 | 25.6 | 23.5 | 22.0 | 19.8 | 16.9 | 15.1 | 13.8 | |
| | | | | 063 | 109 | 76.7 | 72.6 | 64.3 | 59.0 | 55.1 | 49.7 | 42.5 | 37.9 | 34.7 | |
| 080 | | | 220 | 143 | 136 | 120 | 110 | 103 | 93 | 79 | 71 | 65 | | | |
| 100 | | | 567 | 268 | 254 | 225 | 206 | 193 | 174 | 148 | 132 | 121 | | | |
| 125 | | | 1220 | 529 | 501 | 443 | 407 | 380 | 343 | 292 | 261 | 238 | | | |
| 160 | | | 2250 | 1120 | 1060 | 940 | 860 | 800 | 720 | 620 | 550 | 500 | | | |
| 200 | | | 3970 | 1970 | 1870 | 1650 | 1510 | 1420 | 1270 | 1080 | 960 | 870 | | | |
| 250 | | | 8830 | 2920 | 2760 | 2440 | 2240 | 2090 | 1880 | 1590 | 1410 | 1260 | | | |
| 360 | | | MS | 040 | 35.0 | 16.3 | 15.5 | 13.7 | 12.6 | 11.7 | 10.8 | 9.2 | 8.2 | 7.5 | |
| | | | | 050 | 79.8 | 30.5 | 28.9 | 25.6 | 23.5 | 22.0 | 20.1 | 17.2 | 15.4 | 14.1 | |
| | | | | 063 | 109 | 76.7 | 72.6 | 64.3 | 59.0 | 55.2 | 50.6 | 43.2 | 38.6 | 35.3 | |
| | 080 | 220 | | 143 | 136 | 120 | 110 | 103 | 94 | 81 | 72 | 66 | | | |
| | 100 | 567 | | 268 | 254 | 225 | 206 | 193 | 177 | 151 | 135 | 123 | | | |
| | 125 | 1220 | | 529 | 501 | 443 | 407 | 380 | 349 | 297 | 265 | 243 | | | |
| | 160 | 2250 | | 1120 | 1060 | 940 | 860 | 800 | 740 | 630 | 560 | 510 | | | |
| | 200 | 3970 | | 1970 | 1870 | 1650 | 1510 | 1420 | 1300 | 1100 | 980 | 890 | | | |
| | 250 | 8830 | | 2920 | 2760 | 2440 | 2240 | 2090 | 1920 | 1630 | 1440 | 1300 | | | |