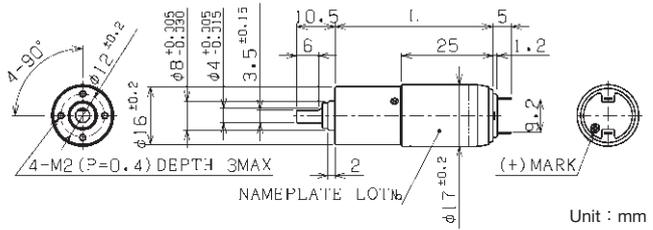


# φ 17ギヤードモータ Gear Motor

# コアレスモータ Coreless Motor

コアレスモータ Coreless Motor **SCR17-25 × ×** page48

遊星ギヤヘッド Planetary Gearhead **IG-16V** page70



| IG-16VM-SRU2501A-06 DC6V 起動電流 Starting current 2310mA |   |  |                       |       |       |                                  |                    |                                   |  |
|---|---|--|-----------------------|-------|-------|----------------------------------|--------------------|-----------------------------------|--|
| 減速比<br>Reduction Ratio (1/i)                          | 無負荷<br>回転数<br>No-Load Speed min <sup>-1</sup> | 定格<br>回転数<br>Rated Speed min <sup>-1</sup> | 定格トルク<br>Rated Torque |       |       | 起動<br>トルク<br>Starting Torque mNm | 長さ(L)<br>Length mm | 回転<br>方向<br>Direction of rotation |  |
|   |   |  | mNm                   | kg·cm | oz·in |                                  |                    |                                   |  |
| 19  | 515   | 430  | 24.5                  | 0.25  | 3.47  | (148)                            | 43.2               | CW                                |  |
| 23  | 418   | 351  | 29.4                  | 0.30  | 4.17  | (183)                            | 43.2               | CW                                |  |
| 29  | 340   | 288  | 34.3                  | 0.35  | 4.86  | (224)                            | 43.2               | CW                                |  |
| 84  | 117   | 97.5                                       | 88.3                  | 0.9   | 12.5  | (530)                            | 46.8               | CW                                |  |
| 103   | 95.4  | 79.3                                       | 108                   | 1.1   | 15.3  | (640)                            | 46.8               | CW                                |  |
| 127   | 77.4  | 64.9                                       | 127                   | 1.3   | 18.1  | (786)                            | 46.8               | CW                                |  |
| 157   | 62.9  | 52.1                                       | 167                   | 1.7   | 23.6  | (973)                            | 46.8               | CW                                |  |
| 369   | 26.8  | 22.2                                       | 314                   | 3.2   | 44.5  | (1829)                           | 50.4               | CW                                |  |
| 455   | 21.7  | 18.1                                       | 382                   | 3.9   | 54.2  | (2303)                           | 50.4               | CW                                |  |
| 560   | 17.7  | 14.6                                       | 481                   | 4.9   | 68.1  | (2746)                           | 50.4               | CW                                |  |
| 690   | 14.3  | 12.3                                       | 490                   | 5.0   | 69.5  | (3504)                           | 50.4               | CW                                |  |
| 850   | 11.6  | 10.3                                       | 490                   | 5.0   | 69.5  | (4372)                           | 50.4               | CW                                |  |

| IG-16VM-SRU2502A-06 DC6V 起動電流 Starting current 1660mA |   |  |                       |       |       |                                  |                    |                                   |  |
|---|---|--|-----------------------|-------|-------|----------------------------------|--------------------|-----------------------------------|--|
| 減速比<br>Reduction Ratio (1/i)                          | 無負荷<br>回転数<br>No-Load Speed min <sup>-1</sup> | 定格<br>回転数<br>Rated Speed min <sup>-1</sup> | 定格トルク<br>Rated Torque |       |       | 起動<br>トルク<br>Starting Torque mNm | 長さ(L)<br>Length mm | 回転<br>方向<br>Direction of rotation |  |
|   |   |  | mNm                   | kg·cm | oz·in |                                  |                    |                                   |  |
| 19  | 419   | 357  | 19.6                  | 0.20  | 2.78  | (132)                            | 43.2               | CW                                |  |
| 23  | 340   | 289  | 24.5                  | 0.25  | 3.47  | (163)                            | 43.2               | CW                                |  |
| 29  | 276   | 236  | 29.4                  | 0.30  | 4.17  | (203)                            | 43.2               | CW                                |  |
| 84  | 95.6  | 80.5                                       | 73.5                  | 0.75  | 10.4  | (465)                            | 46.8               | CW                                |  |
| 103   | 77.7  | 65.0                                       | 93.2                  | 0.95  | 13.2  | (570)                            | 46.8               | CW                                |  |
| 127   | 63.1  | 53.4                                       | 108                   | 1.1   | 15.3  | (703)                            | 46.8               | CW                                |  |
| 157   | 51.2  | 43.1                                       | 137                   | 1.4   | 19.4  | (866)                            | 46.8               | CW                                |  |
| 369   | 21.8  | 18.3                                       | 265                   | 2.7   | 37.5  | (1651)                           | 50.4               | CW                                |  |
| 455   | 17.7  | 14.9                                       | 324                   | 3.3   | 45.8  | (2048)                           | 50.4               | CW                                |  |
| 560   | 14.4  | 12.1                                       | 402                   | 4.1   | 57.0  | (2517)                           | 50.4               | CW                                |  |
| 690   | 11.7  | 9.82                                       | 490                   | 5.0   | 69.5  | (3049)                           | 50.4               | CW                                |  |
| 850   | 9.48  | 8.25                                       | 490                   | 5.0   | 69.5  | (3777)                           | 50.4               | CW                                |  |

| IG-16VM-SRU2503A-06 DC6V 起動電流 Starting current 1220mA |   |  |                       |       |       |                                  |                    |                                   |  |
|---|---|--|-----------------------|-------|-------|----------------------------------|--------------------|-----------------------------------|--|
| 減速比<br>Reduction Ratio (1/i)                          | 無負荷<br>回転数<br>No-Load Speed min <sup>-1</sup> | 定格<br>回転数<br>Rated Speed min <sup>-1</sup> | 定格トルク<br>Rated Torque |       |       | 起動<br>トルク<br>Starting Torque mNm | 長さ(L)<br>Length mm | 回転<br>方向<br>Direction of rotation |  |
|   |   |  | mNm                   | kg·cm | oz·in |                                  |                    |                                   |  |
| 19  | 349   | 304  | 14.7                  | 0.15  | 2.08  | (114)                            | 43.2               | CW                                |  |
| 23  | 283   | 244  | 19.6                  | 0.20  | 2.78  | (142)                            | 43.2               | CW                                |  |
| 29  | 230   | 198  | 24.5                  | 0.25  | 3.47  | (176)                            | 43.2               | CW                                |  |
| 84  | 79.5  | 67.1                                       | 63.7                  | 0.65  | 9.03  | (408)                            | 46.8               | CW                                |  |
| 103   | 64.5  | 54.5                                       | 78.5                  | 0.8   | 11.1  | (506)                            | 46.8               | CW                                |  |
| 127   | 52.4  | 44.1                                       | 98.1                  | 1.0   | 13.9  | (619)                            | 46.8               | CW                                |  |
| 157   | 42.5  | 36.0                                       | 118                   | 1.2   | 16.7  | (772)                            | 46.8               | CW                                |  |
| 369   | 18.1  | 15.2                                       | 235                   | 2.4   | 33.3  | (1467)                           | 50.4               | CW                                |  |
| 455   | 14.7  | 12.4                                       | 284                   | 2.9   | 40.3  | (1815)                           | 50.4               | CW                                |  |
| 560   | 11.9  | 10.0                                       | 353                   | 3.6   | 50.0  | (2211)                           | 50.4               | CW                                |  |
| 690   | 9.70  | 8.12                                       | 441                   | 4.5   | 62.5  | (2707)                           | 50.4               | CW                                |  |
| 850   | 7.88  | 6.72                                       | 490                   | 5.0   | 69.5  | (3329)                           | 50.4               | CW                                |  |

| IG-16VM-SRU2505A-12 DC12V 起動電流 Starting current 1310mA |   |  |                       |       |       |                                  |                    |                                   |  |
|--|---|--|-----------------------|-------|-------|----------------------------------|--------------------|-----------------------------------|--|
| 減速比<br>Reduction Ratio (1/i)                           | 無負荷<br>回転数<br>No-Load Speed min <sup>-1</sup> | 定格<br>回転数<br>Rated Speed min <sup>-1</sup> | 定格トルク<br>Rated Torque |       |       | 起動<br>トルク<br>Starting Torque mNm | 長さ(L)<br>Length mm | 回転<br>方向<br>Direction of rotation |  |
|  |   |  | mNm                   | kg·cm | oz·in |                                  |                    |                                   |  |
| 19   | 519   | 446  | 24.5                  | 0.25  | 3.47  | (174)                            | 43.2               | CW                                |  |
| 23   | 421   | 364  | 29.4                  | 0.30  | 4.17  | (217)                            | 43.2               | CW                                |  |
| 29   | 342   | 298  | 34.3                  | 0.35  | 4.86  | (267)                            | 43.2               | CW                                |  |
| 84   | 118   | 101  | 88.3                  | 0.9   | 12.5  | (613)                            | 46.8               | CW                                |  |
| 103  | 96.1  | 82.4                                       | 108                   | 1.1   | 15.3  | (758)                            | 46.8               | CW                                |  |
| 127  | 78.0  | 67.3                                       | 127                   | 1.3   | 18.1  | (926)                            | 46.8               | CW                                |  |
| 157  | 63.3  | 54.1                                       | 167                   | 1.7   | 23.6  | (1149)                           | 46.8               | CW                                |  |
| 369  | 27.0  | 23.1                                       | 314                   | 3.2   | 44.5  | (2174)                           | 50.4               | CW                                |  |
| 455  | 21.9  | 18.8                                       | 382                   | 3.9   | 54.2  | (2699)                           | 50.4               | CW                                |  |
| 560  | 17.8  | 15.2                                       | 481                   | 4.9   | 68.1  | (3293)                           | 50.4               | CW                                |  |
| 690  | 14.4  | 12.7                                       | 490                   | 5.0   | 69.5  | (4151)                           | 50.4               | CW                                |  |
| 850  | 11.7  | 10.6                                       | 490                   | 5.0   | 69.5  | (5212)                           | 50.4               | CW                                |  |

| IG-16VM-SRU2506A-12 DC12V 起動電流 Starting current 877mA |   |  |                       |       |       |                                  |                    |                                   |  |
|---|---|--|-----------------------|-------|-------|----------------------------------|--------------------|-----------------------------------|--|
| 減速比<br>Reduction Ratio (1/i)                          | 無負荷<br>回転数<br>No-Load Speed min <sup>-1</sup> | 定格<br>回転数<br>Rated Speed min <sup>-1</sup> | 定格トルク<br>Rated Torque |       |       | 起動<br>トルク<br>Starting Torque mNm | 長さ(L)<br>Length mm | 回転<br>方向<br>Direction of rotation |  |
|   |   |  | mNm                   | kg·cm | oz·in |                                  |                    |                                   |  |
| 19  | 435   | 356  | 24.5                  | 0.25  | 3.47  | (135)                            | 43.2               | CW                                |  |
| 23  | 353   | 291  | 29.4                  | 0.30  | 4.17  | (167)                            | 43.2               | CW                                |  |
| 29  | 286   | 239  | 34.3                  | 0.35  | 4.86  | (209)                            | 43.2               | CW                                |  |
| 84  | 99.1  | 80.8                                       | 88.3                  | 0.9   | 12.5  | (478)                            | 46.8               | CW                                |  |
| 103   | 80.4  | 65.7                                       | 108                   | 1.1   | 15.3  | (591)                            | 46.8               | CW                                |  |
| 127   | 65.3  | 53.8                                       | 127                   | 1.3   | 18.1  | (721)                            | 46.8               | CW                                |  |
| 157   | 53.0  | 43.1                                       | 167                   | 1.7   | 23.6  | (894)                            | 46.8               | CW                                |  |
| 369   | 22.6  | 18.4                                       | 314                   | 3.2   | 44.5  | (1690)                           | 50.4               | CW                                |  |
| 455   | 18.3  | 15.0                                       | 382                   | 3.9   | 54.2  | (2118)                           | 50.4               | CW                                |  |
| 560   | 14.9  | 12.1                                       | 481                   | 4.9   | 68.1  | (2560)                           | 50.4               | CW                                |  |
| 690   | 12.1  | 10.2                                       | 490                   | 5.0   | 69.5  | (3121)                           | 50.4               | CW                                |  |
| 850   | 9.82  | 8.59                                       | 490                   | 5.0   | 69.5  | (3912)                           | 50.4               | CW                                |  |

| IG-16VM-SRU2507A-12 DC12V 起動電流 Starting current 610mA |   |  |                       |       |       |                                  |                    |                                   |  |
|---|---|--|-----------------------|-------|-------|----------------------------------|--------------------|-----------------------------------|--|
| 減速比<br>Reduction Ratio (1/i)                          | 無負荷<br>回転数<br>No-Load Speed min <sup>-1</sup> | 定格<br>回転数<br>Rated Speed min <sup>-1</sup> | 定格トルク<br>Rated Torque |       |       | 起動<br>トルク<br>Starting Torque mNm | 長さ(L)<br>Length mm | 回転<br>方向<br>Direction of rotation |  |
|   |   |  | mNm                   | kg·cm | oz·in |                                  |                    |                                   |  |
| 19  | 349   | 290  | 19.6                  | 0.20  | 2.78  | (116)                            | 43.2               | CW                                |  |
| 23  | 283   | 234  | 24.5                  | 0.25  | 3.47  | (142)                            | 43.2               | CW                                |  |
| 29  | 230   | 185  | 34.3                  | 0.35  | 4.86  | (175)                            | 43.2               | CW                                |  |
| 84  | 79.6  | 64.2                                       | 78.5                  | 0.8   | 11.1  | (406)                            | 46.8               | CW                                |  |
| 103   | 64.6  | 51.9                                       | 98.1                  | 1.0   | 13.9  | (499)                            | 46.8               | CW                                |  |
| 127   | 52.5  | 42.4                                       | 118                   | 1.2   | 16.7  | (613)                            | 46.8               | CW                                |  |
| 157   | 42.6  | 34.3                                       | 147                   | 1.5   | 20.8  | (754)                            | 46.8               | CW                                |  |
| 369   | 18.1  | 14.6                                       | 284                   | 2.9   | 40.3  | (1469)                           | 50.4               | CW                                |  |
| 455   | 14.7  | 11.8                                       | 353                   | 3.6   | 50.0  | (1789)                           | 50.4               | CW                                |  |
| 560   | 12.0  | 9.61                                       | 431                   | 4.4   | 61.1  | (2164)                           | 50.4               | CW                                |  |
| 690   | 9.71  | 7.95                                       | 490                   | 5.0   | 69.5  | (2703)                           | 50.4               | CW                                |  |
| 850   | 7.89  | 6.72                                       | 490                   | 5.0   | 69.5  | (3304)                           | 50.4               | CW                                |  |

| IG-16VM-SRU2508A-24 DC24V 起動電流 Starting current 756mA |   |  |                       |       |       |                                  |                    |                                   |  |
|---|---|--|-----------------------|-------|-------|----------------------------------|--------------------|-----------------------------------|--|
| 減速比<br>Reduction Ratio (1/i)                          | 無負荷<br>回転数<br>No-Load Speed min <sup>-1</sup> | 定格<br>回転数<br>Rated Speed min <sup>-1</sup> | 定格トルク<br>Rated Torque |       |       | 起動<br>トルク<br>Starting Torque mNm | 長さ(L)<br>Length mm | 回転<br>方向<br>Direction of rotation |  |
|   |   |  | mNm                   | kg·cm | oz·in |                                  |                    |                                   |  |
| 19  | 569   | 491  | 24.5                  | 0.25  | 3.47  | (179)                            | 43.2               | CW                                |  |
| 23  | 462   | 400  | 29.4                  | 0.30  | 4.17  | (219)                            | 43.2               | CW                                |  |
| 29  | 375   | 328  | 34.3                  | 0.35  | 4.86  | (274)                            | 43.2               | CW                                |  |
| 84  | 130   | 112  | 88.3                  | 0.9   | 12.5  | (638)                            | 46.8               | CW                                |  |
| 103   | 105   | 90.7                                       | 108                   | 1.1   | 15.3  | (793)                            | 46.8               | CW                                |  |
| 127   | 85.6  | 74.1                                       | 127                   | 1.3   | 18.1  | (945)                            | 46.8               | CW                                |  |
| 157   | 69.5  | 59.6                                       | 167                   | 1.7   | 23.6  | (1172)                           | 46.8               | CW                                |  |
| 369   | 29.6  | 25.4                                       | 314                   | 3.2   | 44.5  | (2213)                           | 50.4               | CW                                |  |
| 455   | 24.0  | 20.7                                       | 382                   | 3.9   | 54.2  | (2778)                           | 50.4               | CW                                |  |
| 560   | 19.5  | 16.7                                       | 481                   | 4.9   | 68.1  | (3350)                           | 50.4               | CW                                |  |
| 690   | 15.8  | 14.0                                       | 490                   | 5.0   | 69.5  | (4301)                           | 50.4               | CW                                |  |
| 850   | 12.9  | 11.6                                       | 490                   | 5.0   | 69.5  | (4862)                           | 50.4               | CW                                |  |

| IG-16VM-SRU2509A-24 DC24V 起動電流 Starting current 448mA |   |  |                       |       |       |                                  |                    |                                   |  |
|---|---|--|-----------------------|-------|-------|----------------------------------|--------------------|-----------------------------------|--|
| 減速比<br>Reduction Ratio (1/i)                          | 無負荷<br>回転数<br>No-Load Speed min <sup>-1</sup> | 定格<br>回転数<br>Rated Speed min <sup>-1</sup> | 定格トルク<br>Rated Torque |       |       | 起動<br>トルク<br>Starting Torque mNm | 長さ(L)<br>Length mm | 回転<br>方向<br>Direction of rotation |  |
|   |   |  | mNm                   | kg·cm | oz·in |                                  |                    |                                   |  |
| 19  | 423   | 349  | 24.5                  | 0.25  | 3.47  | (140)                            | 43.2               | CW                                |  |
| 23  | 343   | 285  | 29.4                  | 0.30  | 4.17  | (174)                            | 43.2               | CW                                |  |
| 29  | 278   | 234  | 34.3                  | 0.35  | 4.86  | (217)                            | 43.2               | CW                                |  |
| 84  | 96.3  | 79.2                                       | 88.3                  | 0.9   | 12.5  | (497)                            | 46.8               | CW                                |  |
| 103   | 78.2  | 64.4                                       | 108                   | 1.1   | 15.3  | (612)                            | 46.8               | CW                                |  |
| 127   | 63.5  | 52.8                                       | 127                   | 1.3   | 18.1  | (754)                            | 46.8               | CW                                |  |
| 157   | 51.6  | 42.3                                       | 167                   | 1.7   | 23.6  | (927)                            | 46.8               | CW                                |  |
| 369   | 22.0  | 18.1                                       | 314                   | 3.2   | 44.5  | (1771)                           | 50.4               | CW                                |  |
| 455   | 17.8  | 14.7                                       | 382                   | 3.9   | 54.2  | (2193)                           | 50.4               | CW                                |  |
| 560   | 14.5  | 11.9                                       | 481                   | 4.9   | 68.1  | (2683)                           | 50.4               | CW                                |  |
| 690   | 11.8  | 10.0                                       | 490                   | 5.0   | 69.5  | (3212)                           | 50.4               | CW                                |  |
| 850   | 9.55  | 8.40                                       | 490                   | 5.0   | 69.5  | (4069)                           | 50.4               | CW                                |  |

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1. 上記データは参考値です。  
2. 上記スペックは一例で、要望スペックにて承ります。

The above data is for reference only.  
The above specifications are an example and your specifications are welcomed.

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