



| PART NUMBER |                 | SPECIFICATIONS   |                    |                                  |                          |                          |                      |                      |                        | PERFORMANCE        |                    |                            |                   |   |
|-------------|-----------------|------------------|--------------------|----------------------------------|--------------------------|--------------------------|----------------------|----------------------|------------------------|--------------------|--------------------|----------------------------|-------------------|---|
| CLAMP STYLE | SET SCREW STYLE | BORES B1,B2 (mm) | OUTER DIAM OD (mm) | CLEARANCE DIAM C (mm) (FCMR) MAX | LENGTH L (mm) (FCMR/MWC) | LENGTH L (mm) (FSMR/MWS) | CAP SCREW (FCMR/MWC) | SET SCREW (FSMR/MWS) | SHAFT PENETRATION (MM) | STATIC TORQUE (Nm) | TORSIONAL (Deg/Nm) | PARALLEL MISALIGNMENT (mm) | AXIAL MOTION (mm) | MOMENT OF INERTIA (x10 <sup>6</sup> kg·m <sup>2</sup> ) |
| FCMR16      | FSMR16          | 5                | 15.88              | 20.22                            | 25.4                     | 25.4                     | M3                   | M4                   | 12.00                  | 1.47               | 3.211              | 0.203                      | 0.127             | 0.380   |
|             |                 | 6                |                    |                                  |                          |                          |                      |                      |                        | 1.47               | 3.211              |                            |                   |   |
|             |                 | 5                |                    |                                  |                          |                          |                      |                      |                        | 2.94               | 1.331              |                            |                   |   |
| FCMR19      | FSMR19          | 6                | 19.05              | 22.23                            | 31.75                    | 31.75                    | M3                   | M4                   | 15.06                  | 2.94               | 1.331              | 0.203                      | 0.127             | 1.037   |
|             |                 | 7                |                    |                                  |                          |                          |                      |                      |                        | 2.71               | 1.666              |                            |                   |   |
|             |                 | 8                |                    |                                  |                          |                          |                      |                      |                        | 2.26               | 2.036              |                            |                   |   |
|             |                 | 6                |                    |                                  |                          |                          |                      |                      |                        | 3.95               | 0.548              |                            |                   |   |
|             |                 | 7                |                    |                                  |                          |                          |                      |                      |                        | 3.95               | 0.548              |                            |                   |   |
|             |                 | 8                |                    |                                  |                          |                          |                      |                      |                        | 3.73               | 0.862              |                            |                   |   |
| FCMR25      | FSMR25          | 9                | 25.4               | 28.37                            | 38.1                     | 38.1                     | M4                   | M5                   | 17.87                  | 3.73               | 0.862              | 0.381                      | 0.254             | 4.120   |
|             |                 | 10               |                    |                                  |                          |                          |                      |                      |                        | 3.73               | 0.862              |                            |                   |   |
|             |                 | 11               |                    |                                  |                          |                          |                      |                      |                        | 3.28               | 1.097              |                            |                   |   |
|             |                 | 12               |                    |                                  |                          |                          |                      |                      |                        | 2.82               | 1.566              |                            |                   |   |
|             |                 | 8                |                    |                                  |                          |                          |                      |                      |                        | 7.91               | 0.313              |                            |                   |   |
|             |                 | 9                |                    |                                  |                          |                          |                      |                      |                        | 6.89               | 0.392              |                            |                   |   |
| FCMR32      | FSMR32          | 10               | 31.75              | 37.06                            | 44.45                    | 44.45                    | M5                   | M6                   | 20.82                  | 6.89               | 0.392              | 0.381                      | 0.254             | 11.885  |
|             |                 | 11               |                    |                                  |                          |                          |                      |                      |                        | 5.65               | 0.627              |                            |                   |   |
|             |                 | 12               |                    |                                  |                          |                          |                      |                      |                        | 5.65               | 0.627              |                            |                   |   |
|             |                 | 14               |                    |                                  |                          |                          |                      |                      |                        | 5.08               | 0.705              |                            |                   |   |
|             |                 | 15               |                    |                                  |                          |                          |                      |                      |                        | 4.86               | 0.862              |                            |                   |   |
|             |                 | 10               |                    |                                  |                          |                          |                      |                      |                        | 13.56              | 0.157              |                            |                   |   |
|             |                 | 11               |                    |                                  |                          |                          |                      |                      |                        | 12.43              | 0.235              |                            |                   |   |
|             |                 | 12               |                    |                                  |                          |                          |                      |                      |                        | 12.43              | 0.235              |                            |                   |   |
| FCMR38      | FSMR38          | 14               | 38.1               | 41.71                            | 57.15                    | 57.15                    | M5                   | M6                   | 26.47                  | 12.43              | 0.235              | 0.762                      | 0.381             | 30.032  |
|             |                 | 15               |                    |                                  |                          |                          |                      |                      |                        | 10.73              | 0.392              |                            |                   |   |
|             |                 | 16               |                    |                                  |                          |                          |                      |                      |                        | 10.73              | 0.392              |                            |                   |   |
|             |                 | 19               |                    |                                  |                          |                          |                      |                      |                        | 9.04               | 0.627              |                            |                   |   |
|             |                 | 3                |                    |                                  |                          |                          |                      |                      |                        | 0.85               | 4.44               |                            |                   |   |
| MWC15       | MWS15           | 4                | 15                 |                                  | 22                       | 20                       | M2                   | M3                   | 10.41                  | 0.85               | 4.44               | 0.20                       | 0.12              | 0.293   |
|             |                 | 5                |                    |                                  |                          |                          |                      |                      | 9.41                   | 0.81               | 5.21               |                            |                   |   |
|             |                 | 4                |                    |                                  |                          |                          |                      |                      |                        | 1.30               | 2.01               |                            |                   |   |
| MWC20       | MWS20           | 5                | 20                 |                                  | 28                       | 20                       | M3                   | M3                   | 13.34                  | 1.30               | 2.01               | 0.20                       | 0.12              | 1.053   |
|             |                 | 6                |                    |                                  |                          |                          |                      |                      | 9.34                   | 1.15               | 2.48               |                            |                   |   |
|             |                 | 6                |                    |                                  |                          |                          |                      |                      |                        | 3.42               | 1.22               |                            |                   |   |
| MWC25       | MWS25           | 8                | 25                 |                                  | 30                       | 24                       | M3                   | M4                   | 13.79                  | 3.42               | 1.22               | 0.38                       | 0.25              | 2.955   |
|             |                 | 10               |                    |                                  |                          |                          |                      |                      | 11.29                  | 3.10               | 1.75               |                            |                   |   |
|             |                 | 8                |                    |                                  |                          |                          |                      |                      |                        | 6.90               | 0.71               |                            |                   |   |
| MWC30       | MWS30           | 10               | 30                 |                                  | 38                       | 30                       | M4                   | M5                   | 17.65                  | 6.90               | 0.71               | 0.38                       | 0.25              | 7.958   |
|             |                 | 12               |                    |                                  |                          |                          |                      |                      | 13.65                  | 6.60               | 0.93               |                            |                   |   |

- Note 1** Static torque ratings are at maximum misalignment. To obtain dynamic rating, static ratings should be divided by 2 for non-reversing applications and by 4 for reversing applications.
- Note 2** Hardware is alloy steel with black oxide finish. Stainless steel hardware is available upon request. FCMR and MWC series parts have two socket head Nypatch® cap screws on each end. FSMR and MWS parts have two set screws on each end 120° apart.
- Note 3** Performance ratings are for guidance only. The user must determine suitability for a particular application.
- Note 4** Coupling torque and torsional stiffness are determined by the largest bore selected.
- Note 5** Angular misalignment on all couplings is 3°.
- Note 6** Shafts may penetrate up to 0.5 x L. Be certain shafts do not touch.
- Note 7** Maximum speed 6,000 RPM.

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