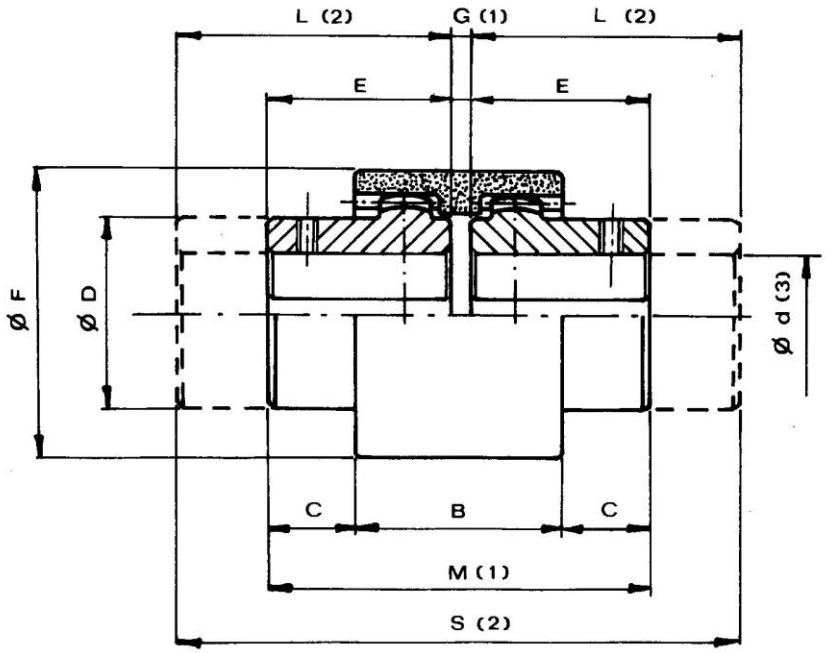
## DIMENSIONS

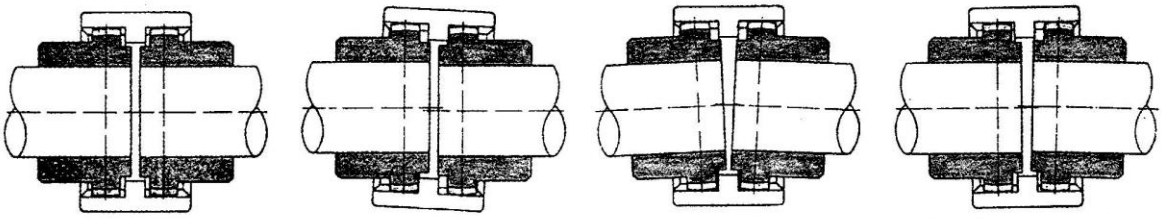



**MEASUREMENTS**

| COUPLING TYPE | WITHOUT BORE | Finished bore d (3) | | Measurements in mm. | | | | | | | | | Mass Kg. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Normal range | | | | | | | Long Range | | Sleeve | Normal Hub | Long Hub |
| | | nom. | max. | B | C | ØD | E | ØF | G (1) | M (1) | L (2) | S (2) | | | |
| GF-14 | - | 6 | 14 | 38 | 6.5 | 25 | 23.5 | 41 | 4 | 51 | 30 | 64 | 0.022 | 0.10 | 0.13 |
| GF-19 | - | 8 | 19 | 38 | 8.5 | 32 | 25.5 | 48 | 4 | 55 | 40 | 84 | 0.028 | 0.18 | 0.28 |
| GF-24 | - | 10 | 24 | 42 | 7.5 | 36 | 26.5 | 52 | 4 | 57 | 50 | 104 | 0.037 | 0.23 | 0.42- |
| GF-28 | - | 10 | 28 | 48 | 19 | 45 | 41 | 68 | 4 | 86 | 60 | 124 | 0.086 | 0.54 | 0.79 |
| GF-32 | - | 12 | 32 | 48 | 18 | 50 | 40 | 75 | 4 | 84 | 60 | 124 | 0.104 | 0.66 | 0.97 |
| GF-38 | - | 14 | 38 | 50 | 17 | 58 | 40 | 85 | 4 | 84 | 80 | 164 | 0.131 | 0.93 | 1.83 |
| GF-42 | - | 20 | 42 | 50 | 19 | 63 | 42 | 95 | 4 | 88 | 110 | 224 | 0.187 | 1.10 | 2.76 |
| GF-48 | - | 20 | 48 | 50 | 27 | 68 | 50 | 100 | 4 | 104 | 110 | 224 | 0.198 | 1.50 | 3.21 |
| GF-55 | - | 25 | 55 | 65 | 29.5 | 82 | 60 | 120 | 4 | 124 | 110 | 224 | 0.357 | 2.63 | 5.12 |
| GF-65 | - | 25 | 65 | 72 | 36 | 95 | 70 | 140 | 4 | 144 | 140 | 284 | 0.595 | 4.02 | 7.92 |

(1) Assembly distances.
(2) Couplings with hub lengths to fully cover normal shafts for the UNEL-MEC range of motors.
(3) **On request:** finished bore in compliance with ISO standards, H7 tolerance, keyway DIN 6885, sheet 1, JS9 tolerance. Dowel bore.

## MISALIGNMENTS



Aligned shafts | Radially displaced shafts | Angularly displaced shafts | Radially and angularly displaced shafts

### TECHNICAL DATA

| COUPLING TYPE | POWER FACTOR KW r.p.m. | | TORQUE Nm | | POWER TRANSMITTED IN KW AT R.P.M. | | | | | | | | Max. R.P.M. | (1) Mass Kg. | (1) J Kg cm² | Maximum misalignment for each hub | | Axial displacement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 750 | | 1000 | | 1500 | | 3000 | | | | | | | |
| | norm. | max. | norm. | max. | norm. | max. | norm. | max. | norm. | max. | norm. | max. | | | | Angular α (2) | Radial mm. | mm. |
| GF-14 | 0.0011 | 0.0023 | 11.5 | 23 | 0.8 | 1.5 | 1.1 | 2.0 | 1.6 | 3.0 | 3.3 | 6.0 | 14000 | 0.166 | 0.27 | ±2° | 0.7 | ±1 |
| GF-19 | 0.0019 | 0.0037 | 18.5 | 36.5 | 1.3 | 2.7 | 1.8 | 3.7 | 2.7 | 5.5 | 5.4 | 11.1 | 12000 | 0.276 | 0.64 | ±2° | 0.8 | ±1 |
| GF-24 | 0.0023 | 0.0047 | 23 | 46 | 1.7 | 3.5 | 2.3 | 4.7 | 3.4 | 7.0 | 6.9 | 14.1 | 10000 | 0.312 | 0.92 | ±2° | 0.8 | ±1 |
| GF-28 | 0.0053 | 0.0106 | 51.5 | 103.5 | 3.9 | 7.9 | 5.2 | 10.6 | 7.8 | 15.9 | 15.6 | 31.8 | 8000 | 0.779 | 3.45 | ±2° | 1 | ±1 |
| GF-32 | 0.0071 | 0.0142 | 69 | 138 | 5.2 | 10.5 | 7.0 | 14.1 | 10.5 | 21.1 | 21.0 | 42.3 | 7100 | 0.918 | 5.03 | ±2° | 1 | ±1 |
| GF-38 | 0.0090 | 0.0181 | 88 | 176 | 6.7 | 13.5 | 9.0 | 18.0 | 13.5 | 27.0 | 27.0 | 54.0 | 6300 | 1.278 | 9.59 | ±2° | 0.9 | ±1 |
| GF-42 | 0.0113 | 0.0226 | 110 | 220 | 8.4 | 16.8 | 11.2 | 22.5 | 16.8 | 33.7 | 33.6 | 67.5 | 6000 | 1.473 | 13.06 | ±2° | 0.9 | ±1 |
| GF-48 | 0.0158 | 0.0317 | 154 | 308 | 11.8 | 23.6 | 15.8 | 31.6 | 23.7 | 47.4 | 47.4 | 94.8 | 5600 | 1.777 | 18.15 | ±2° | 0.9 | ±1 |
| GF-55 | 0.029 | 0.058 | 285 | 570 | 21.7 | 43.5 | 29.0 | 58.0 | 43.5 | 87.0 | 87.0 | 174.0 | 4800 | 3.380 | 49.44 | ±2° | 1.2 | ±1 |
| GF-65 | 0.0432 | 0.0865 | 420 | 840 | 32.1 | 64.3 | 42.9 | 85.8 | 64.3 | 128.7 | 128.7 | 257.4 | 4000 | 4.988 | 106.34 | ±2° | 1.3 | ±1 |

(1) Normal coupling reference complete with maximum bore without keyway.
(2) Per hub.

### ASSEMBLY GUIDELINES

a) Position the two semi-couplings on the shafts, taking care that the internal surfaces are in line with the shaft ends.
b) Insert the sleeve on the two semi-couplings adjusting their distance (distance "G"), while the two shafts are aligned at the same time.
c) Clamp the two parts to be coupled together in position.
d) Check that the sleeve is free to move in an axial direction before the coupling is rotated.