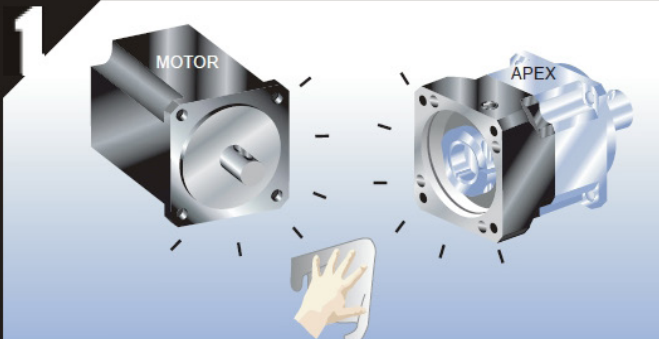



Motor mounting instruction AF series

1



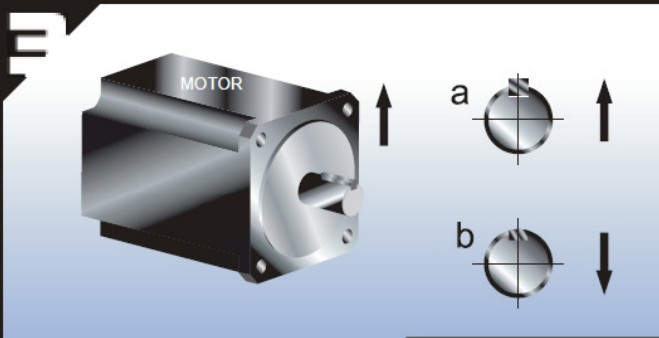
Double-check the motor and gearbox size.
Clean the mounting surface

2



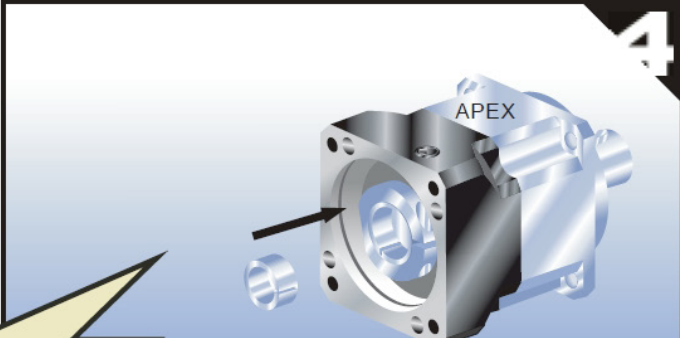
Remove the plug on the adapter plate.
Rotate the set collar till the bolt lines up.

3




a. Remove the motor key
b. Insert balance key if necessary

4



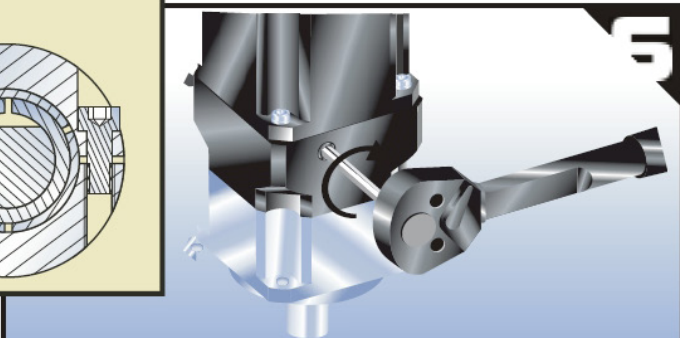
Check motor shaft size and insert bushing if necessary

5



Set at vertical position, tighten the mounting bolts (including washer) in 1 - 4 order with wrench to 5% specified torque (see table 1)

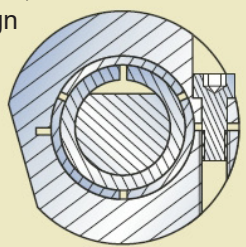
6




Tighten the set collar bolt with torque wrench to specified torque (see table 2)

Correct Installation

When installing on flatted shafts, be sure to align the collet gap over the flat and the set collar bolt perpendicular to the flat

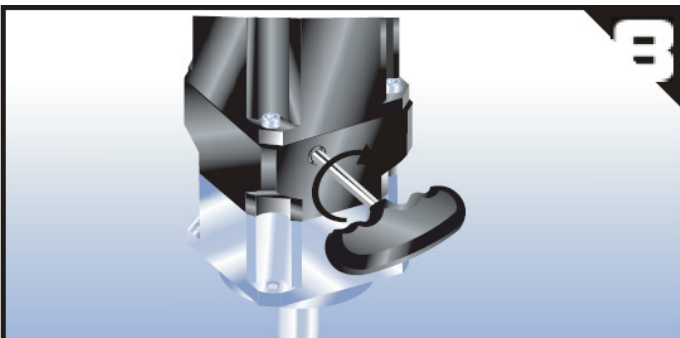


7



Tighten the mounting bolts in 1 - 4 order with torque wrench to specified torque (see table 1)

8



Tighten back the screw plug

Table 1 Tightening torque recommended for motor mounting bolt

| Bolt size | Width across flat | Strength 8.8 Tightening torque | | Strength 10.9 Tightening torque | | Strength 12.9 Tightening torque | |
|-------------|-------------------|--------------------------------|----------|---------------------------------|----------|---------------------------------|----------|
| | [mm] | [Nm] | [In-lbs] | [Nm] | [In-lbs] | [Nm] | [In-lbs] |
| M3 x 0.5P | 2.5 | 1.3 | 12 | 1.8 | 16 | 2.1 | 19 |
| M4 x 0.7P | 3 | 3 | 27 | 4.1 | 37 | 4.9 | 44 |
| M5 x 0.8P | 4 | 6.1 | 55 | 8.2 | 73 | 9.8 | 87 |
| M6 x 1P | 5 | 11 | 98 | 14 | 124 | 17 | 151 |
| M8 x 1.25P | 6 | 25 | 222 | 34 | 302 | 41 | 364 |
| M10 x 1.5P | 8 | 49 | 434 | 67 | 594 | 80 | 709 |
| M12 x 1.75P | 10 | 85 | 753 | 116 | 1028 | 139 | 1232 |
| M14 x 2P | 12 | 137 | 1214 | 186 | 1648 | 223 | 1976 |
| M16 x 2P | 14 | 210 | 1860 | 286 | 2534 | 343 | 3038 |

Table 2 Tightening torque recommended for set collar bolt

| Gearbox size | | Motor shaft diameter | Bolt size | Width across flats | Tightening torque | |
|--------------|---------|----------------------|-------------------|--------------------|-------------------|----------|
| | | [mm] | [mm] | [mm] | [Nm] | [In-lbs] |
| AF042 | 1-Stage | ≤ 11 | M3 x 0.5P x 8L | 2.5 | 2.1 | 19 |
| | 2-Stage | ≤ 11 | M3 x 0.5P x 8L | 2.5 | 2.1 | 19 |
| AF060 | 1-Stage | ≤ 14 | M4 x 0.7P x 12L | 3 | 4.9 | 44 |
| | 2-Stage | ≤ 11 | M3 x 0.5P x 8L | 2.5 | 2.1 | 19 |
| AF075 | 1-Stage | ≤ 19 | M5 x 0.8P x 14L | 4 | 9.8 | 87 |
| | 2-Stage | ≤ 14 | M4 x 0.7P x 12L | 3 | 4.9 | 44 |
| AF100 | 1-Stage | ≤ 32 | M6 x 1P x 16L | 5 | 17 | 151 |
| | 2-Stage | ≤ 19 | M5 x 0.8P x 14L | 4 | 9.8 | 87 |
| AF140 | 1-Stage | ≤ 38 | M8 x 1.25P x 20L | 6 | 41 | 364 |
| | 2-Stage | ≤ 32 | M6 x 1P x 16L | 5 | 17 | 151 |
| AF180 | 1-Stage | ≤ 48 | M10 x 1.5P x 25L | 8 | 80 | 709 |
| | 2-Stage | ≤ 38 | M8 x 1.25P x 20L | 6 | 41 | 364 |
| AF220 | 1-Stage | ≤ 55 | M12 x 1.75P x 30L | 10 | 139 | 1232 |
| | 2-Stage | ≤ 48 | M10 x 1.5P x 25L | 8 | 80 | 709 |

Note: Bolts can be tightened up to 20% higher for increased holding torques

Apex Dynamics BV

Churchillaan 101
5705 BK Helmond
The Netherlands

Tel. : +31 (0)492 509 995
E-mail: sales@apexdyna.nl
Web : www.apexdyna.nl