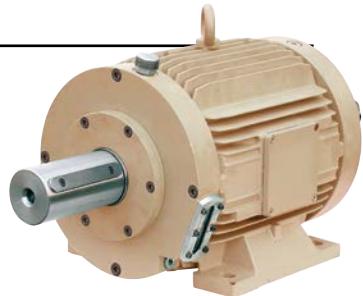
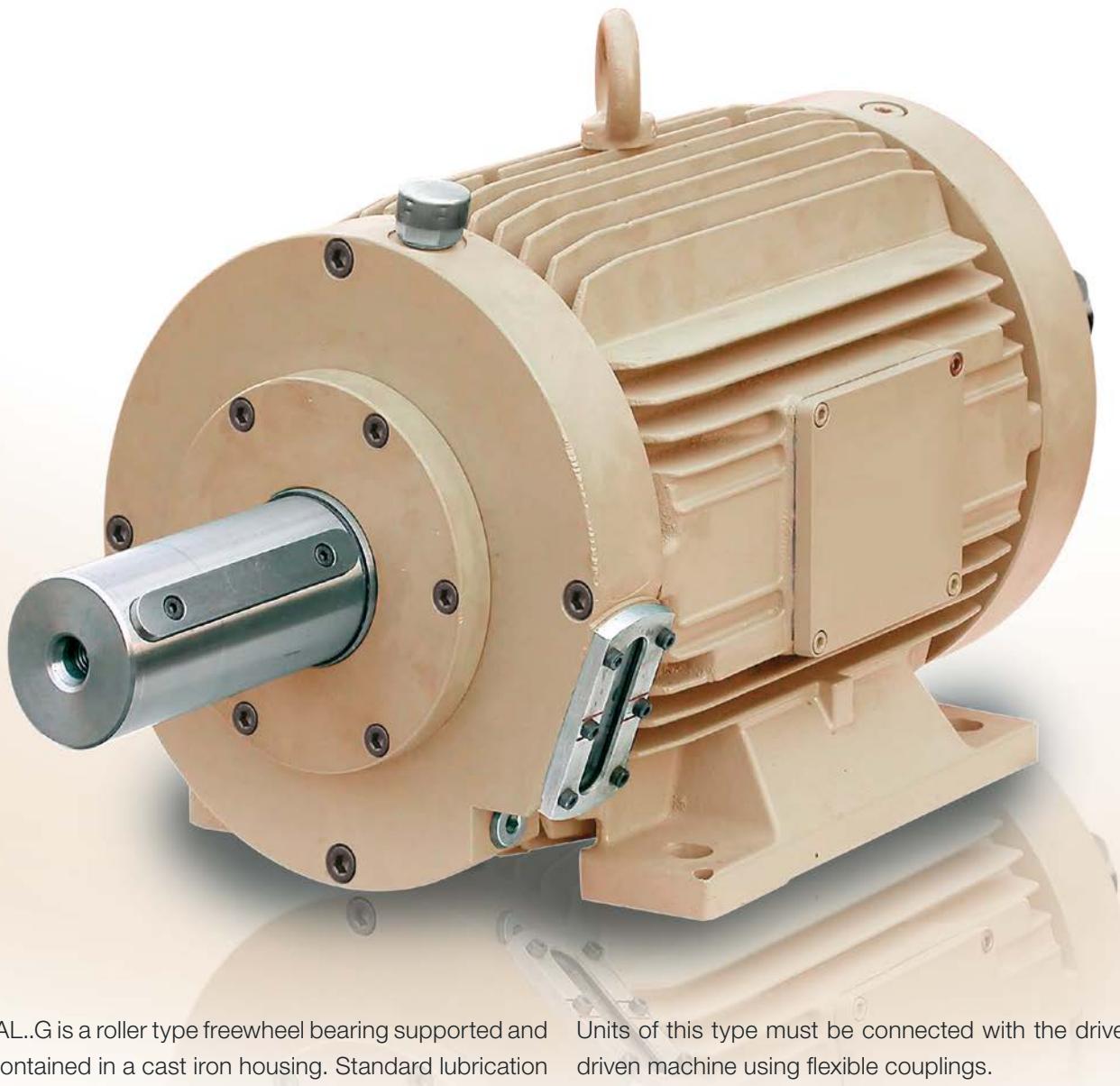


## Self-Contained Freewheels

# AL..G



## TYPE



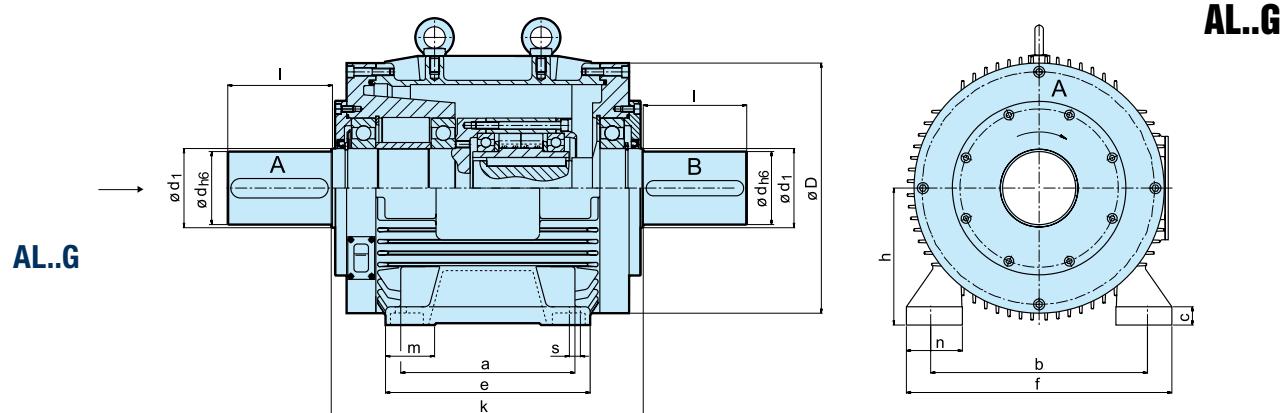
Type AL..G is a roller type freewheel bearing supported and self-contained in a cast iron housing. Standard lubrication is oil.

This type is designed for dual or standby drives on large equipment requiring high power at high speeds such as, industrial fans, pumps, and turbines. The housing provides a cooling surface, a large oil volume and maximum safety for equipment running continuously without supervision.

Units of this type must be connected with the driver and driven machine using flexible couplings.

Integrated forced lubrication allows hydrodynamic contact free operation during overrunning. The given overrunning speeds are valid for a maximum ambient temperature of 40°C. On request additional air cooling can be provided.

# Self-Contained Freewheels



| Type  | Size   | Overrunning Speed shaft A |                                   |                  |             |             |             |               |             |             |             |             |             |             |             | Weight      |             |      |
|-------|--------|---------------------------|-----------------------------------|------------------|-------------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------|
|       |        | $T_{KN}^{1)}$<br>[Nm]     | $n_{max}$<br>[min <sup>-1</sup> ] | $d_{h6}$<br>[mm] | $l$<br>[mm] | $k$<br>[mm] | $D$<br>[mm] | $d_1$<br>[mm] | $h$<br>[mm] | $m$<br>[mm] | $n$<br>[mm] | $f$<br>[mm] | $e$<br>[mm] | $a$<br>[mm] | $b$<br>[mm] | $s$<br>[mm] | $c$<br>[mm] |      |
| AL..G | 30-G1  | 500                       | 5500                              | 30               | 80          | 300         | 194         | 45            | 100         | 33,5        | 42          | 200         | 175         | 140         | 160         | 14          | 14          | 50   |
|       | 50-G3  | 2125                      | 3400                              | 50               | 140         | 430         | 310         | 80            | 160         | 58          | 71,5        | 318         | 260         | 210         | 254         | 18          | 22          | 115  |
|       | 60-G3  | 3500                      | 2900                              | 60               | 140         | 430         | 310         | 80            | 160         | 58          | 71,5        | 318         | 260         | 210         | 254         | 18          | 22          | 125  |
|       | 70-G3  | 5750                      | 2600                              | 70               | 140         | 430         | 310         | 80            | 160         | 58          | 71,5        | 318         | 260         | 210         | 254         | 18          | 22          | 138  |
|       | 80-G4  | 8500                      | 2400                              | 80               | 170         | 510         | 434         | 95            | 225         | 80,5        | 92          | 436         | 346         | 286         | 356         | 22          | 30          | 284  |
|       | 90-G4  | 14500                     | 2000                              | 90               | 170         | 510         | 434         | 130           | 225         | 80,5        | 92          | 436         | 346         | 286         | 356         | 22          | 30          | 300  |
|       | 100-G4 | 20000                     | 1500                              | 100              | 210         | 510         | 434         | 130           | 225         | 80,5        | 92          | 436         | 346         | 286         | 356         | 22          | 30          | 330  |
|       | 120-G5 | 31250                     | 1300                              | 120              | 210         | 800         | 610         | 140           | 315         | 100         | 131         | 620         | 550         | 457         | 508         | 30          | 46          | 980  |
|       | 150-G5 | 70000                     | 1200                              | 150              | 250         | 800         | 610         | 190           | 315         | 100         | 131         | 620         | 550         | 457         | 508         | 30          | 46          | 1100 |

## NOTES

1)  $T_{max} = 2 \times T_{KN}$   
 » Refer to Selection page 7 to 13

Keyway to DIN 6885.1

rotation seen from shaft „A“: „R“ Shaft „A“ overruns in clockwise direction, „L“ Shaft „A“ overruns in counterclockwise direction

Note: The constant overrunning function must be performed by the driven shaft „A“

» Refer to mounting and maintenance instructions page 12 to 13

## MOUNTING EXAMPLE

