

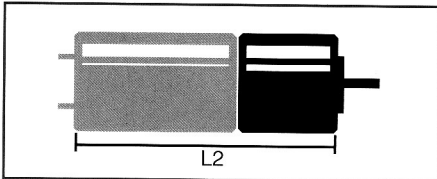
| Ratio                  | .... | 4.25                       | 9    | 12   | 18   | 24   | 48   | 90   | 180  | 360  | 810  | 1620 |
|------------------------|------|----------------------------|------|------|------|------|------|------|------|------|------|------|
| 1 No. of gear stages   |      | 2                          | 3    | 3    | 4    | 4    | 5    | 5    | 6    | 7    | 7    | 8    |
| 2 Dir. of rotation     |      | =                          | ≠    | ≠    | =    | =    | ≠    | ≠    | =    | ≠    | ≠    | =    |
| 3 Efficiency           |      | 0.8                        | 0.7  | 0.7  | 0.65 | 0.65 | 0.6  | 0.6  | 0.55 | 0.5  | 0.5  | 0.45 |
| 4 L1 (mm)              |      | 17.3                       | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 |
| 5 Mass (g)             |      | 86                         | 88   | 88   | 90   | 90   | 92   | 92   | 95   | 98   | 98   | 102  |
| 6 Available with motor |      | L2- length with motor (mm) |      |      |      |      |      |      |      |      |      |      |
| <b>23V58 • 1</b>       |      | 69.6                       | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| <b>23DT12 • 1</b>      |      | 71.3                       | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| <b>28L28 • 49</b>      |      | 64.3                       | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| <b>P520 • 60</b>       |      | 47.1                       | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| <b>PP520 • 01</b>      |      | 47.1                       | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| <b>P532 • 10</b>       |      | 56.6                       | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |

Also available: **23V48 • 9 / 23DT2R12 • 88 / 28LT12 • 49 / 22V28 • 201 / 22N48 • 204 / 23LT12 • 1 / 23LT2R12 • 120 / 26N58 • 1 / 26N48 • 6 / 23HV48 • 1**

Availability: see enclosed document at the end of the catalogue

This gearbox is also available with a built-in clutch.

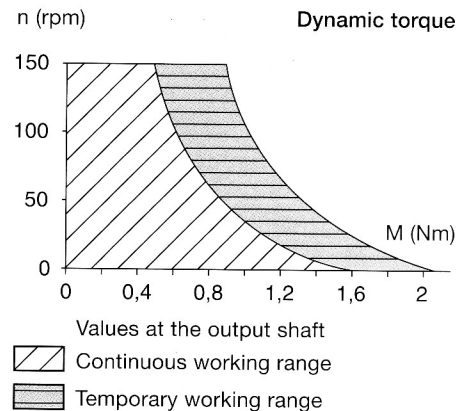
### Motor + gearbox = L2



### Characteristics

#### RG1/9 • 1 RG1/9 2R • 1

|  |            | sleeve bearings          | ball bearings |
|--|------------|--------------------------|---------------|
| 7 Bearing type                                 |            | sleeve bearings          | ball bearings |
| 8 Max. static torque                           | Nm (oz-in) | 2 (280)                  | 2 (280)       |
| 9 Max. radial force at 8 mm from mounting face | N (lb)     | 60 (13.5)                | 150 (33.75)   |
| 10 Max. axial force                            | N (lb)     | 50 (11.25)               | 250 (56.25)   |
| 11 Force for press-fit                         | N (lb)     | 250 (56.25)              | 300 (67.5)    |
| 12 Average backlash at no-load                 |            | 2.5°                     | 2.5°          |
| 13 Average backlash at 1 Nm                    |            | 3°                       | 3°            |
| 14 Radial play                                 | µm         | ≤ 60                     | ≤ 20          |
| 15 Axial play                                  | µm         | 50 -300                  | ≤ 250         |
| 16 Max. recom. input speed                     | rpm        | 5000                     | 5000          |
| 17 Operating temperature range                 | °C (°F)    | -30 ... +65 (-22...+150) |               |



Specifications subject to change without prior notice