



**Standard scope of delivery** Gearbox lubricated for duration of service life, dust-proof package, motor pinion, mounting screws, paper gasket and assembly instructions (adapter plate optional).

Customized versions also available for small quantities.

Stainless steel version on request.

| 1-STAGE   |                     | 2-STAGE   |                     | 3-STAGE   |                     |
|-----------|---------------------|-----------|---------------------|-----------|---------------------|
| Ratio i:1 | Max. motor shaft-ØD | Ratio i:1 | Max. motor shaft-ØD | Ratio i:1 | Max. motor shaft-ØD |
|           |                     | 64        | 10                  | 72        | 10                  |
|           |                     | 81        | 10                  | 100       | 10                  |
|           |                     | 12.08     | 10                  | 130       | 10                  |
|           |                     | 16        | 10                  | 144       | 10                  |
|           |                     | 18        | 10                  | 175.78    | 9                   |
|           |                     | 20.8      | 10                  | 200       | 10                  |
|           |                     | 25        | 10                  | 225       | 9                   |
|           |                     | 29        | 10                  | 256       | 10                  |
| 4         | 10                  | 32        | 10                  | 288       | 9                   |
| 4.5       | 9                   | 36        | 9                   | 332.8     | 7                   |
| 5.2       | 7                   | 41.6      | 7                   | 400       | 6                   |
| 6.25      | 6                   | 50        | 6                   | 512       | 4                   |
| 8         | 4                   | 64        | 4                   |           |                     |

|  |                |                      |                   |           |      |     |
|--|----------------|----------------------|-------------------|-----------|------|-----|
| Rated torque continuous                | Type Standard  | Type R               | Nm                | 1.5       | 10   | 30  |
| Rated torque intermittent              | Type Standard  | Type R               | Nm                | 3         | 20   | 60  |
| Rated torque continuous                | Type V         | Type S               | Nm                | 3         | 15   | 30  |
| Rated torque intermittent              | Type V         | Type S               | Nm                | 6         | 30   | 60  |
| Max. efficiency at rated torque        |                |                      | %                 | 90        | 85   | 80  |
| Average backlash at no load            | Type Standard  | Type V               | arcmin ≤          | 20        | 35   | 50  |
| Average backlash at no load            | Type R         |                      | arcmin ≤          | 10        | 20   | 30  |
| Average backlash at no load            | Type S         |                      | arcmin ≤          | 6         | 12   | 15  |
| Weight without adapter plate           |                |                      | g                 | 475       | 600  | 725 |
| Dimension L                            |                |                      | mm                | 41        | 55.5 | 70  |
| Dimension A                            |                |                      | mm                | 8.5       |      |     |
| Dimension B                            |                |                      | mm                | 23.5      |      |     |
| Max. radial load                       | F <sub>R</sub> | 10 mm from shaft end | N                 | 250       |      |     |
| Max. axial load                        | F <sub>A</sub> |                      | N                 | 200       |      |     |
| Max. continuous rated speed at drive   |                |                      | min <sup>-1</sup> | 5000      |      |     |
| Max. intermittent rated speed at drive |                |                      | min <sup>-1</sup> | 8000      |      |     |
| Temperature range                      |                |                      | °C                | -25 / +90 |      |     |

Type V = heavy duty version | Type R = reduced backlash version | Type S = low backlash version

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