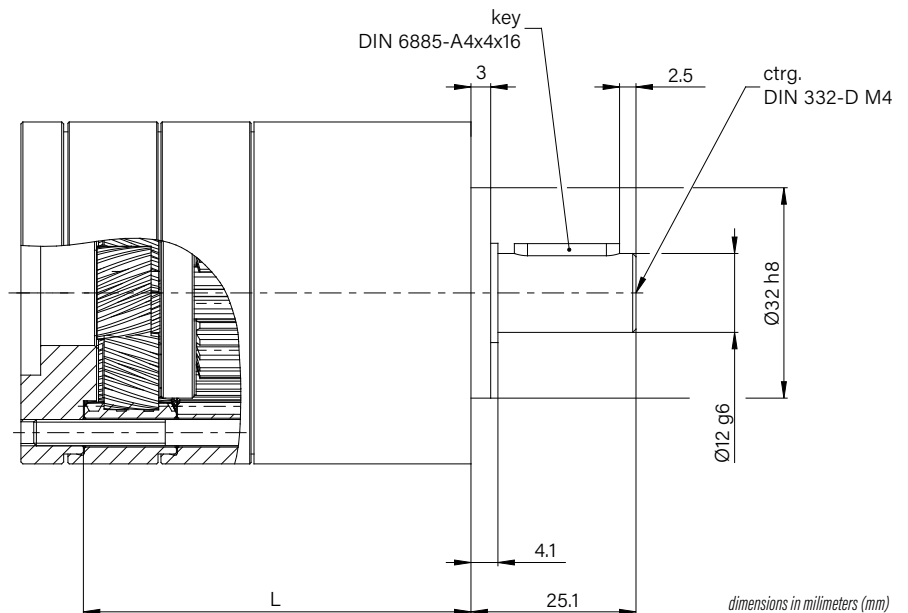
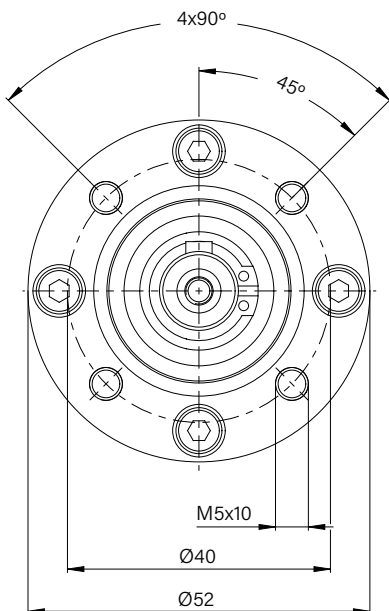


# 52 planetary gear

Planetary gear with outer diameter 52mm.  
Configure your motor providing robustness and versatility.  
Easy gear combination for a high performance  
of any application.



PLANETARY GEAR SUITABLE FOR MOTOR SERIES:

162

168

169

263

319

## MAIN PLANETARY GEAR FEATURES

|                                        | 1 STAGE     | 2 STAGES     | 3 STAGES       |
|----------------------------------------|-------------|--------------|----------------|
| <b>TECHNICAL DATA</b>                  |             |              |                |
| Permissible output torque TAB (CB=1.0) | 4.0 Nm      | 12.0 Nm      | 25.0 Nm        |
| Gear efficiency approx.                | 0.8         | 0.8          | 0.7            |
| Max. Gear backlash                     | 0.7 °DEG    | 0.8 °DEG     | 0.8°DEG        |
| <b>OUTPUT SIDE WITH BALL BEARING</b>   |             |              |                |
| Max. radial load (centre of key shaft) | up to 350 N | up to 350 N  | 450.0 N        |
| Max. axial load (centre of key shaft)  | up to 500 N | up to 500 N  | up to 500 N    |
| Max. permissible contact pressure      | 500.0 N     | 500.0 N      | 500.0 N        |
| Weight approx.                         | 700 g       | 900 g        | 1100 g         |
| Length approx.                         | 44.8 mm     | 59.0 mm      | 73.2 mm        |
| <b>REDUCTIONS</b>                      |             |              |                |
|                                        | 4:1 (3.71)  | 14:1 (13.73) | 51:1 (50.89)   |
|                                        | 4:1 (4.29)  | 16:1 (15.88) | 59:1 (58.86)   |
|                                        | 5:1 (5.18)  | 18:1 (18.37) | 68:1 (68.07)   |
|                                        | 7:1 (6.75)  | 19:1 (19.20) | 71:1 (71.16)   |
|                                        |             | 22:1 (22.21) | 79:1 (78.72)   |
|                                        |             | 25:1 (25.01) | 93:1 (92.70)   |
|                                        |             | 27:1 (26.85) | 95:1 (95.18)   |
|                                        |             | 29:1 (28.93) | 100:1 (99.51)  |
|                                        |             | 35:1 (34.98) | 107:1 (107.21) |
|                                        |             | 46:1 (45.56) | 115:1 (115.08) |
|                                        |             |              | 124:1 (123.98) |
|                                        |             |              | 130:1 (129.62) |
|                                        |             |              | 139:1 (139.14) |
|                                        |             |              | 150:1 (149.90) |
|                                        |             |              | 169:1 (168.85) |
|                                        |             |              | 181:1 (181.25) |
|                                        |             |              | 195:1 (195.27) |
|                                        |             |              | 236:1 (236.10) |
|                                        |             |              | 308:1 (307.55) |

