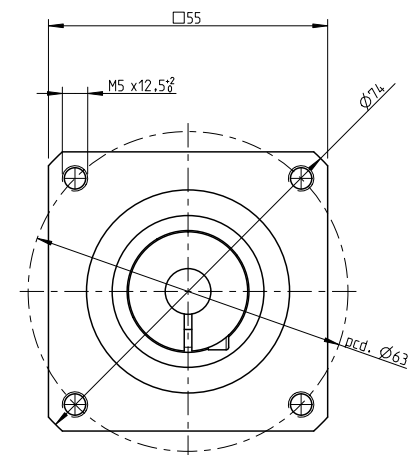
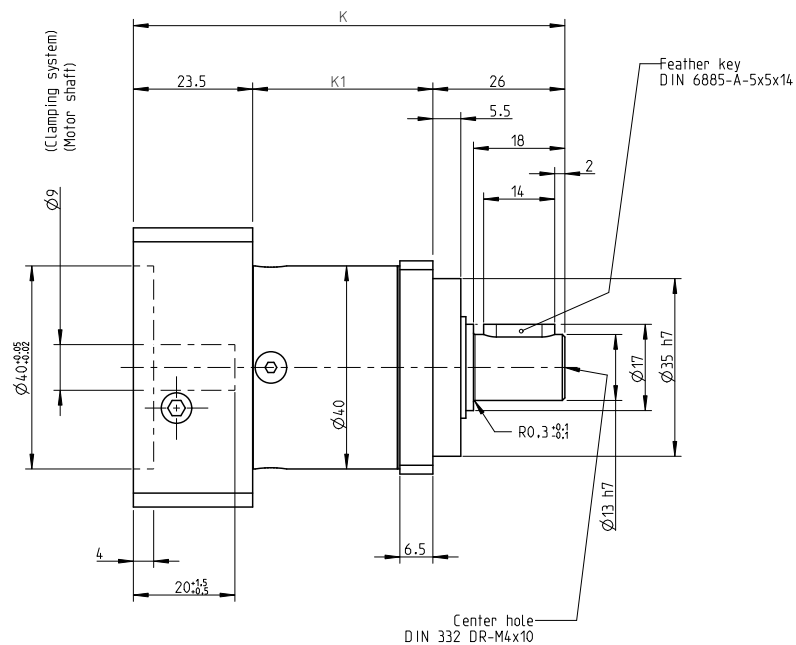
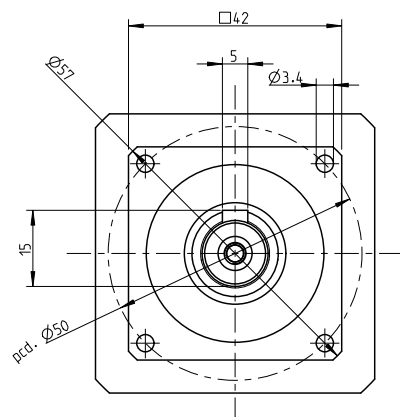


| Engineering data        |                | Mechanical data            |                        |
|-------------------------|----------------|----------------------------|------------------------|
| Ratio                   | 5              | Radial force for 20'000h   | 320 N*                 |
| Number of stages        | 1              | Radial force for 30'000h   | 295 N*                 |
| Rated output torque     | 11.5 Nm        | Max. radial force          | 520 N*                 |
| Cycling output torque   | 14 Nm          | Axial force for 20'000h    | 620 N                  |
| Max output torque       | 22 Nm          | Axial force for 30'000h    | 620 N                  |
| Emergency output torque | 36 Nm          | Max. axial force           | 620 N                  |
| Rated input speed       | 5000 rpm       | Protection                 | IP54                   |
| Max input speed         | 18000 rpm      | Input inertia              | 0.02 kgcm <sup>2</sup> |
| Efficiency              | 97 %*          | Mass                       | 0.39 kg                |
| Operating temperature   | <-25; 90> °C   | Tilting moment for 20'000h | 8 Nm                   |
| Backlash                | < 15 arcmin    | Tilting moment for 30'000h | 8 Nm                   |
| Service life            | 20000 h        | Max. bending moment        | 4 Nm                   |
| Running noise           | 58 dB(A)       | Output shaft design        | Shaft key              |
| Torsional stiffness     | 1.70 Nm/arcmin |                            |                        |

\* at rated speed & torque

\* Defined for point of action at ½ output shaft length

| Lubrication  |                               | Supported motors      |                             |
|--------------|-------------------------------|-----------------------|-----------------------------|
| Type         | Standard                      | Motor types           | TGN2, TGT2, TGH2            |
| Lubricant    | Grease (lifetime lubrication) | Clamping diameter     | 9 mm                        |
| Customs info |                               | Input flange          | Motor adaptation - one part |
| HS Code      | 84834090                      | Installation position | Any                         |



| NO OF STAGES | K     | K1   |
|--------------|-------|------|
| I. stage     | 85    | 35,5 |
| II. stage    | 98    | 48,5 |
| III. stage   | 110,5 | 61   |

| INDEX        | ZMĚNA          | DATUM     | PODPIS |                  |              |
|--------------|----------------|-----------|--------|------------------|--------------|
| ZM.MAT.      |                |           | T.O.   | HMOTNOST kg      | MĚŘ.         |
| ROZM.-POLOT. |                |           |        | ČSN              | TRČ.         |
| ROZM. ZAR.   |                |           |        | POZN.            | Č. KUSOVNÍKU |
| VYPR.        | NORM. REF.     |           |        | STARÝ V.         | Č.V.         |
| PŘEKR.       |                |           |        |                  |              |
| TECHNOL.     | SCHVÁLIL.      | 12.9.2020 |        |                  |              |
| NÁZEV        | Gearbox SGQ040 |           |        | TGN2, TGH2, TGT2 |              |
|              |                |           |        | Listů            | List         |