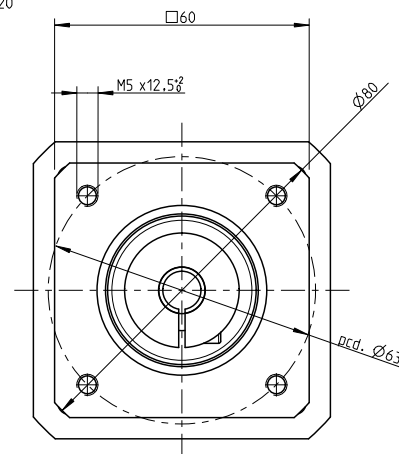
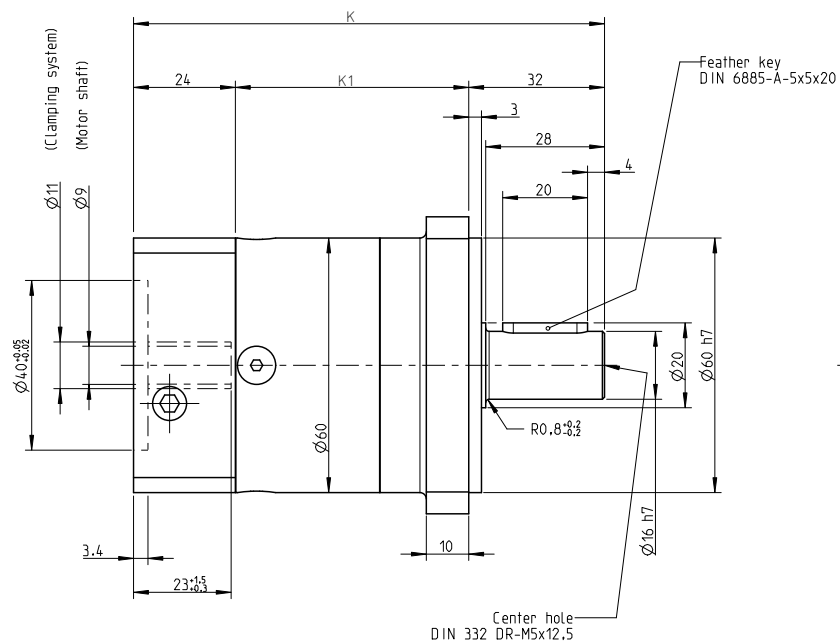
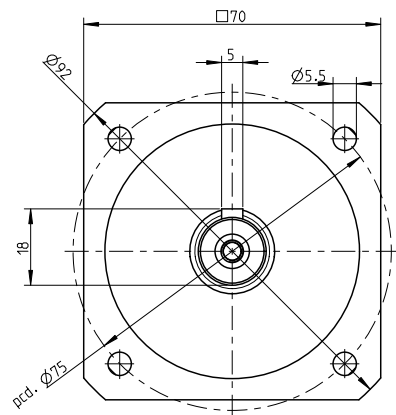


| Engineering data        |                | Mechanical data            |                        |
|-------------------------|----------------|----------------------------|------------------------|
| Ratio                   | 12             | Radial force for 20'000h   | 900 N*                 |
| Number of stages        | 2              | Radial force for 30'000h   | 700 N*                 |
| Rated output torque     | 32 Nm          | Max. radial force          | 1500 N*                |
| Cycling output torque   | 44 Nm          | Axial force for 20'000h    | 1000 N                 |
| Max output torque       | 65 Nm          | Axial force for 30'000h    | 800 N                  |
| Emergency output torque | 88 Nm          | Max. axial force           | 1950 N                 |
| Rated input speed       | 4500 rpm       | Protection                 | IP54                   |
| Max input speed         | 13000 rpm      | Input inertia              | 0.12 kgcm <sup>2</sup> |
| Efficiency              | 96 %*          | Mass                       | 1.27 kg                |
| Operating temperature   | <-25; 90> °C   | Tilting moment for 20'000h | 37 Nm                  |
| Backlash                | < 12 arcmin    | Tilting moment for 30'000h | 29 Nm                  |
| Service life            | 20000 h        | Max. bending moment        | 12 Nm                  |
| Running noise           | 60 dB(A)       | Output shaft design        | Shaft key              |
| Torsional stiffness     | 3.70 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     | 11 mm                       |
| Customs info |                               | Input flange          | Motor adaptation - one part |
| HS Code      | 84834090                      | Installation position | Any                         |



| NO OF STAGES | K     | K1   |
|--------------|-------|------|
| I. stage     | 111   | 55   |
| II. stage    | 123.5 | 67.5 |
| III. stage   | 136   | 80   |

| INDEX          | ZNĚNA     | DATUM      | PODPIS |                  |              |
|----------------|-----------|------------|--------|------------------|--------------|
| ZM.MAT.        |           |            |        | T.O.             | HMOTNOST kg  |
| ROZM.-POLOT.   |           |            |        |                  | MĚŘ.         |
| ROZM. ZAR.     |           |            |        |                  | ČSN          |
| VYPR.          |           | NORM. REF. |        | POZN.            | Č. KUSOVNÍKU |
| PŘEKR.         |           |            |        |                  | Č.V.         |
| TECHNOL.       | SCHVÁLIL. | 12.9.2020  |        | STARÝ V.         |              |
| NÁZEV          |           |            |        | TGN2, TGH2, TGT2 |              |
| Gearbox SGQ060 |           |            |        | Listů            | List         |