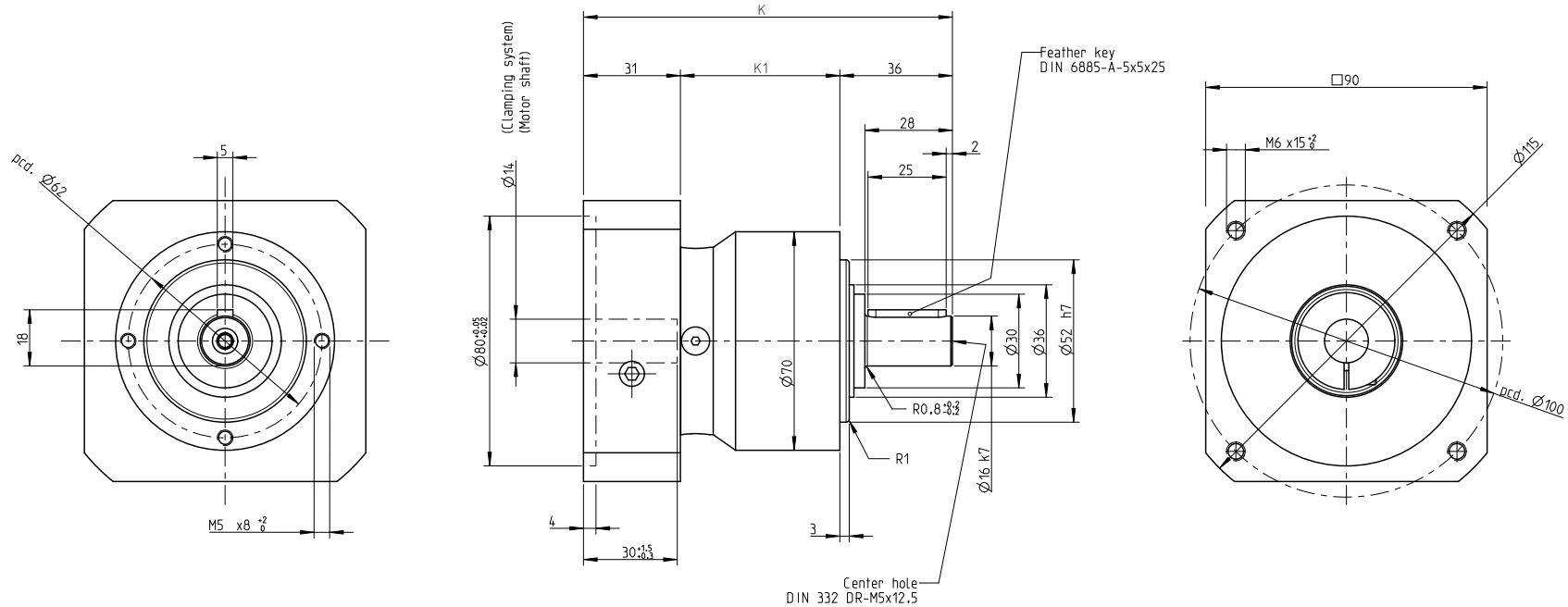


| Engineering data        |                | Mechanical data            |                        |
|-------------------------|----------------|----------------------------|------------------------|
| Ratio                   | 64             | Radial force for 20'000h   | 1050 N*                |
| Number of stages        | 2              | Radial force for 30'000h   | 900 N*                 |
| Rated output torque     | 15 Nm          | Max. radial force          | 1650 N*                |
| Cycling output torque   | 18 Nm          | Axial force for 20'000h    | 1350 N                 |
| Max output torque       | 28 Nm          | Axial force for 30'000h    | 1000 N                 |
| Emergency output torque | 80 Nm          | Max. axial force           | 2100 N                 |
| Rated input speed       | 4500 rpm       | Protection                 | IP54                   |
| Max input speed         | 13000 rpm      | Input inertia              | 0.09 kgcm <sup>2</sup> |
| Efficiency              | 86 %*          | Mass                       | 1.72 kg                |
| Operating temperature   | <-25; 90> °C   | Tilting moment for 20'000h | 42 Nm                  |
| Backlash                | < 12 arcmin    | Tilting moment for 30'000h | 36 Nm                  |
| Service life            | 20000 h        | Max. bending moment        | 12 Nm                  |
| Running noise           | 58 dB(A)       | Output shaft design        | Shaft key              |
| Torsional stiffness     | 5.70 Nm/arcmin |                            |                        |

\* at rated speed & torque

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

| Lubrication  |                               | Supported motors      |                             |
|--------------|-------------------------------|-----------------------|-----------------------------|
| Type         | Standard                      | Motor types           | TGN3, TGT3, TGH3            |
| Lubricant    | Grease (lifetime lubrication) | Clamping diameter     | 14 mm                       |
| Customs info |                               | Input flange          | Motor adaptation - one part |
| HS Code      | 84834090                      | Installation position | Any                         |



| NO OF STAGES | K   | K1 |
|--------------|-----|----|
| I. stage     | 118 | 51 |
| II. stage    | 131 | 64 |

| INDEX        | ZMĚNA         | DATUM     | PODPIS |                  |              |
|--------------|---------------|-----------|--------|------------------|--------------|
| ZM.MAT.      |               |           | T.O.   | HMOTNOST kg      | MĚŘ.         |
| ROZM.-POLOT. |               |           |        | ČSN              | TR.Č.        |
| ROZM. ZAŘ.   |               |           |        | POZN.            | Č. KUSOVNÍKU |
| VYPR.        | NORM. REF.    |           |        | STARÝ V.         | Č.V.         |
| PŘEKR.       |               |           |        |                  |              |
| TECHNOL.     | SCHVÁLIL.     | 12.9.2020 |        |                  |              |
| NÁZEV        | Gearbox SG070 |           |        | TGN3, TGH3, TGT3 |              |
|              |               |           |        | Listů            | List         |