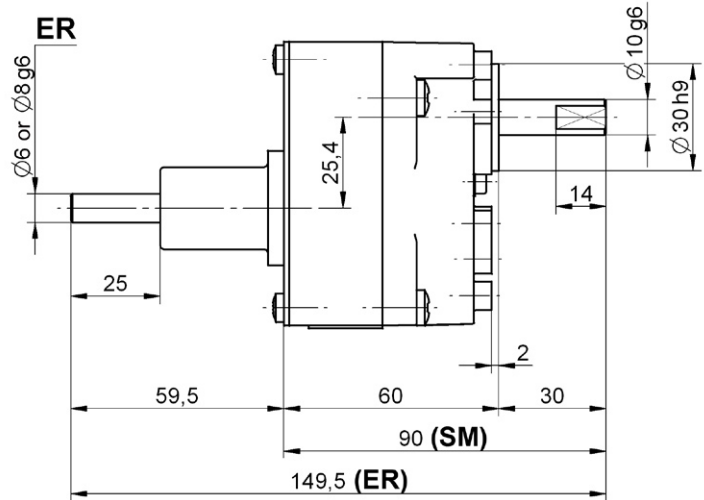


**K80-Mounting**



## TECHNICAL CHARACTERISTICS

High endurance gearbox for heavy duty continuous workload in any position, at room temperature from -15 to 50°C, with **torque load up to 8 Nm, steady load.**

- **Box.** Made of die-cast zamak. Frontal mounting by four M5 threaded holes.
- **Gear set.** Spur gear set with steel pinions and gear wheels, with case superficial heat treatment. The intermediate gears turn on rectified hardened steel shafts, which are fixed to the box.
- **Output shaft.** Ø10 mm steel shaft, 30 mm usable length, with a flat. Incorporates and turns on ball bearings.
- **Output shaft load:**

Axial direction, pull or push	500 N ≈ 50 Kg.
Radial direction, at 15 mm from box	400 N ≈ 40 Kg.
- **Lubrication.** Lithium grade 2 grease.
- **Weight.** With maximal number of stages: SM version: 0.81 Kg, ER version: 0.86 Kg.

### VERSIONS:


- **SM:** without motor, with intermediate plate to couple another motors from Ø30 up to Ø65 mm, with Ø3.17, Ø4, Ø6, Ø7 or Ø8 mm shaft.
- **ER:** without motor, with a Ø6 or Ø8 mm receiver input shaft, which incorporates and turns on ball bearings, located at the opposite side of the output shaft.

### OPTIONAL:

- Frontal mounting by six M4 threaded holes.

**Avoid** impacts on the output shaft when assembling or disassembling parts on it, this could damage the gearbox.

**Customized requests are welcome.**

		
Ratio $i = X:1$	N° stages	Torque factor
3,7	2	3,0
4,5	2	3,6
6,0	2	4,8
9,9	2	8,0
12,0	2	9,7
16,0	2	12,9
23,6	3	17,2
28,8	3	21,0
36,9	3	26,9
40,0	3	29,2
45,0	3	32,8
53,3	3	38,9
60,0	3	43,8
64,0	3	44,9
69,1	4	50,4
86,4	4	56,1
92,2	4	59,9
96,0	4	62,4
108,0	4	70,2
120,0	4	78,0
128,0	4	83,2
135,0	4	87,7
144,0	4	94,5
160,0	4	104,0
180,0	4	117,0
200,0	4	130,0
240,0	4	156,0
259,2	5	152,9
360,0	5	212,4
400,0	5	236,0
600,0	5	354,0
800,0	5	472,0
960,0	5	566,9
1.152,0	6	612,2
2.250,0	6	1327,0
2.880,0	6	1699,2

**GEARBOX TIPS:**

**Noise level:** noise level depends on load symmetry, location (avoid acoustic resonance), and rotation speed; the lower speed on the input shaft (mainly motor), the lower noise level.

**Admissible torque:** go above the maximal load will reduce the gearbox life.