

TECHNICAL INFORMATION

ABOUT THE PRODUCT

Flowfit gearboxes are designed for connecting pumps, motors, and other actuators.

- The gears and shafts of gearboxes are made from high-strength alloy steel, offering durability and wear resistance due to specialized processing and heat treatment.
- The covers and housings are made in shell-cast aluminium or cast iron, and the material density, strength and appearance are very good, you can choose the gearbox of different materials according to the power or torque you use.
- All machined parts are processed using precision equipment such as CNC lathes, CNC hobbing machines, CNC shaving machines, and machining centers, ensuring exceptional dimensional accuracy for each component.
- All other parts comply with the relevant national standards, offering excellent performance and a long service life.

ASSEMBLY AND USE INDICATIONS

Please strictly follow the assembly and usage instructions to ensure optimal performance and extended gearbox lifespan.

- Different input or output speeds are compatible with our gearboxes, but ensure they do not exceed 3,000 RPM. Excessive rotation speed significantly increases wear and heat, reducing the service life of the components.
- The torque values listed in the technical charts refer to continuous duty. For intermittent working conditions, torque can exceed the specified values by up to 20%.
- We recommend using SAE 90 oil to ensure maximum service life and proper operation of the unit. Perform the first oil change after 60 to 80 working hours, and check the oil level via the oil level plug every 1,500 hours.
- The continuous working temperature should not exceed 120°C, as higher temperatures accelerate seal aging.
- Ensure proper gearbox assembly by referring to the positions of the oil filling cap, oil level, and oil drain plug.
- Pump assembly requires a half-coupling and a fitting flange as per specific requirements. When placing an order, specify the flange and pump shaft type. For installing special pumps with operating features different from those stated in this catalog, please consult our technical staff.