

KTC.6001

Dual Gear Ratios

It has 2 internal ratios fast (1/0.89) and low (1/0.57) and idle gear feature.

Body Material / GJS-400-15 / DIN EN 1563

GJS-400-15 spheroidal cast iron widely used in the automotive industry. It has a specific weight of $7,15 \text{ gr/cm}^3$, and fusion temperature interval of $1200-1250^\circ\text{C}$. It has advanced corrosion, high wear and fatigue resistance. The basic advantages of this alloy include durability, high strength, good vibration damping and leak-proof properties.

Gear & Shaft Components/ DIN-1.7131

The steel is soft in its core tough, hard, and wear-resistant on the surface, and elastic on the impact points. It is also good for cementation and nitration heat treatment. The gears on KTC.6001 have 58-61 HRC surface hardness, and hardness depth of 1-1,2 mm

RPM Counter

Sensor can operate at 6-15 Volt, Max. 16 mA, $-30^\circ\text{C} \dots +145^\circ\text{C}$, and has M18x1,5 teeth connection, and 4 pin output ports

Flange

Universal connection with equipments.
ISO 7647 / ISO 7646 / ISO 8667

Main Drive Torque

It can able to withstands a torque of 60.000 Nm (max. Output)

Connection Components / DIN 912

It has min. 8.8 quality level and strength of min 800 Nm/mm^2

Air Plug

This is an aluminum air plug calibrated at +0,5 Bar with an in-built valve. It opens from time to time and lets the internal pressure accumulate due to fluid turbulence. Besides blocking foreign matter penetration, it also prevents oil leakage that may happen during transportation. It has an operation temperature of $-20/+120^\circ\text{C}$.

Sealing Components / ISO 6194

These are elastomeric sealing components. They are chosen double-lip type (oil/dust). They can stand $-40/+140^\circ\text{C}$ operating conditions according to the climate and temperature. They offer good resistance to climate conditions, aging ozone and oxygen thanks to high chemical stability.

Pneumatic Fittings

It can be engaged/disengaged by 6-8 bar pneumatic pressure. The pressure must be continuous for both conditions. The air must go through drier-conditioner system.

Oil Pump

It has 3 CC oil pump with double directional

Air Tube Components / DIN AlMg1Si0.8CuMn

It is a shapable corrosion-resistant, high-strength material. The alloy can go through heat treatment. It has high corrosion resistance.

On/Off sensor

Sensor can operate at 9 - 32 Volt , 10 mA-3A, $-30^\circ\text{C} \dots +150^\circ\text{C}$ has M18x1,5 teeth connection, and 2 pin output ports

Oil level sensor

Sensor is used to check the oil level. It has G1/2 teeth connection.

Oil Heat Sensor

Sensor can operate at 10 - 30 Volt , $-50^\circ\text{C} \dots +150^\circ\text{C}$ has G1/2 teeth connection

