SWCH.100

Body Material/ DIN G-AlSi10Mg DIN

G-AlSi10Mg is an aluminum alloy widely used in the automotive industry. It has a specific weight of 2,64 gr/cm^3 , and fusion temperature interval of +575-595 °C. It has advanced corrosion resistance and excellent castable level. The basic advantages of this alloy include durability, anti- corrosive and leak-proof properties.

Gear & Shaft Components/ DIN-1.7131

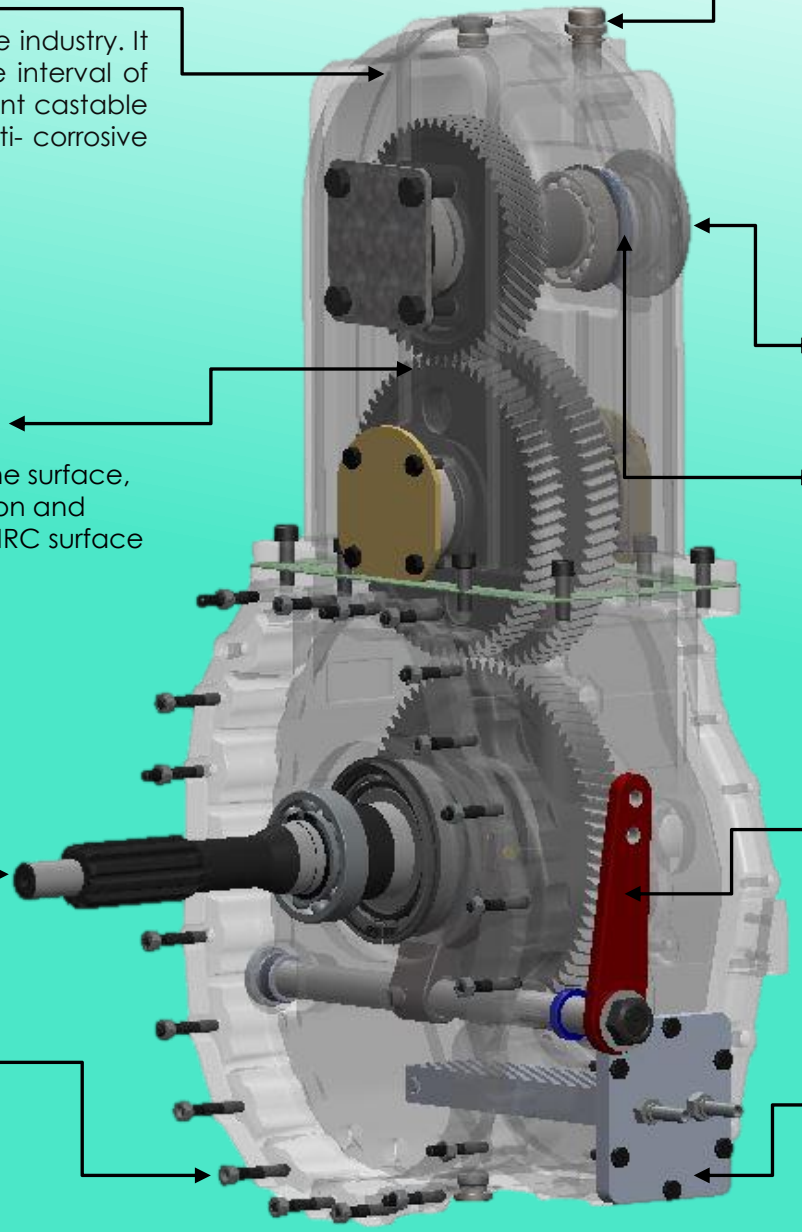
The steel is soft in its core tough, hard, and wear-resistant on the surface, and elastic on the impact points. It is also good for cementation and nitration heat treatment. The gears on SWCH.100 have 58-61 HRC surface hardness, and hardness depth of 1-1,2 mm

Clutch plate mounting shaft

For Isuzu MZW 6P

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°C.

Flange

Universal connection with equipments. ISO 7647 / ISO 7646

Sealing Components / ISO 6194

These are elastomeric sealing components. They are chosen double-lip type (oil/dust). They can stand -40/+140°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.

Mechanical Fittings

Lever of engage/disengage the equipment.
Can be converted to pneumatic as an option.

Cooling system

It is designed to be self-cooling.The cooling process is carried out by drawing coolant from the vehicle's engine.