



Materials and properties

The housing of the gearboxes from size 30 up to size 86 is made of pressure die casting aluminium. All worms are made of high strength, case-hardening alloy steel and are case-hardened, hardened and subjected to stress relieving. The helical wormwheels are made of high wear resistant bronze. The hollow output shafts are made of grey cast iron.

Lubrication

All SATI VTS series gearboxes are supplied complete with lubricant; they are lubricated with synthetic oil and do not require any maintenance, for this reason they are called lifetime gearboxes.

Operating temperature

All the gearboxes in the new SATI range are suitable to operate up to a maximum continuous temperature inside the gearbox of +85°C. The shaft seals are made of acrylonitrile compounds. For continuous operating temperatures higher than +85°C, it is necessary to contact the SATI Engineering Department for advice. The minimum temperature at which the gearboxes can operate is -5°C. For ambient temperatures <-5 °C or > +40°C, it is recommended to contact SATI technical service.

Painting

All SATI gearboxes are epoxy powder painted in the colour RAL 9006 grey, except for the machined parts for fixing supports and couplings.

NB: the photo on the left is indicative only and does not constitute a technical specification.

For more information refer to Sati Gearbox Catalogue.