

The ELMECH reduction gearboxes of this series are built according to modern criteria in a compact form.

Both the gearboxes for co-rotating and for counter-rotating twin-shaft extruders consist of a primary reduction gear unit and a distribution gear unit. which are linked by means of a thrust-bearing housing and by a pressure flange that absorb the axial thrust coming from the extruder.

Housing :

The housing is made of high-quality cast-iron or fabricated from electro-welded steel.

Gears :

The gears of the primary reducer unit are made of case-steel of the 18NiCrMo5 type and have a helical teeth. The profile is ground with a higher quality to ensure lowest noise level and efficient use.

The shaft and the toothed wheels of the distribution gear unit are made of high-quality special steel with excellent tensile strength.

Bearings :

The gearboxes of this series are provided with cylindrical roller bearings of reputed makers and considerable size. The thrust bearings are of the axial self aligning roller type of the 294... E series. They are coupled with bearing packages.

Lubrication :

A combined splash and forced spray lubrication system guarantees optimal lubrication, even in unfavourable environmental conditions, best heat elimination and low losses.

Splash and forced spray lubrication with integrated oil reservoir for emergency running properties.

Integrated lubrication system with flanged oil-pump, oil-filter and pressure switch.

Application :

Pipe extrusion, Profile extrusion, Granulation