

Custom-made Gears, Gear Assemblies and Gearboxes

Davall Gears is an established leader in the field of custom-made gearing, a position attained by successfully applying extensive knowledge of gear design and manufacture, acquired over many years. This knowledge, combined with the use of modern technology, ensures that we are always ahead of the field and able to provide solutions to the many and varied power transmission and rotary motion problems we are faced with each year

Examples of the problems solved encompass a broad spectrum: In the industrial field we have



designed and manufactured gears, gear assemblies and gearboxes for a variety of applications ranging from machine tools, textile machinery, lifts, hoists, cranes and conveyors to agricultural, mining, oil exploration equipment and main battle tanks.

Defence Industry

This is an area of the market in which we are called upon to use to the full our design and manufacturing expertise in order to meet the stringent technical, manufacturing and performance specifications laid down by our customers.

The Company is registered to **ISO 9001** and is an approved contractor and sub-contractor to the UK Ministry of Defence. Additionally, our Quality Control organisation is fully approved by the majority of the leading UK manufacturing companies.



Davall Gears design and development

Davall Gears, as market leaders in the field of gear design and development, will service a project



through prototyping to the finished production run.

Davall Gears design team have considerable knowledge of the problems likely to be encountered on complicated power transmission applications. Their knowledge, aided by the use of modern computer technology, ensures a speedy solution to the majority of problems.

Major companies have retained the services of the Davall design and development team in order to avail themselves of the considerable expertise it has to offer. We are proud to be acknowledged in this way.

Spiradrive gear products

Unique to Davall Gears, this form of right angle gearing (see opposite page) can offer a reduction in overall envelope size. Ratios from 6:1 to 350:1 can be obtained, coupled with a higher power transmission capability than an equivalent size worm wheel.

Spiradrive gears are stronger and smoother running than any other gear type of equal size and ratio. They have high shock strength with near zero backlash and can be custom manufactured, or are available off-the-shelf. They are also less sensitive to mounting errors than worm or bevel hypoid gears.

