

Spur Gears

Avon Gear and Engineering manufactures custom spur gears & internal spur gears in a variety of styles and sizes. We specialize in spur gears & gear drives that are designed to meet exacting specifications and tolerances. We offer standard & metric sizes, and can make spur gears in a variety of materials. Special designs are available. Following AGMA specifications, Avon often exceeds these standards to accommodate the intricacies of high precision gears. No specification, no detail is too complex for Avon.

Spur gears are a very common type of gear and in many cases they are the most cost effective type of gearing. They generally have straight teeth and transmit motion & power between parallel shafts. Spur gears are used in many devices & industries including: Electronics, Construction equipment, Machine tools, Conveyors and Material handling. They are typically not used in automotive applications because they can be noisy.

The Spur Gear Advantage

Spur gears, also known as **straight cut gears**, have a number of advantages over other types of gears. Spur gears are easy to design and manufacture and are also more efficient than helical gears. Straight cut gears provide increased efficiency because helical gears produce more heat due to the fact that they have sliding contacts between teeth which produces axial thrust. When applications require simple, easy to assemble gears, spur gears may be the ideal gear for you. Spur gears are also known for their reliability and constant velocity ratio. If you are looking for a gear with quiet operation, check out our [helical gears](#).

Spur gears are offered in the following sizes / capacities:

Maximum Pitch Diameter / Max 30.0"

Diametral Pitch / From 3.0 to 180 degrees

Face Width / Max 13.0"

Cut Tooth / AGMA Q11

