

Roller Chain Sprocket

When it is imperative that angular velocity rotation to be constant some of the positive drive must be employed. The chain is that type of a wrapping connector which secures positive driving through its use with tooth sprocket. A chain drive used in preference to gear when the distance between centers of a shaft to be connected makes gear drive unfeasible effective transmission of power. When the distance between the shaft centers is larger compared with the v-belt or flat drive is high efficiency drive and fewer loads on shaft. It can transmit the motion to several shafts through one chain.



A sprocket is a profiled wheel with teeth that meshes with a chain, track or other perforated or indented material. It is distinguished from a gear in that sprockets are never meshed together directly, and from a pulley by not usually having a flange at each side.

Sprockets are used in automobile industries, building construction industries, food plant, glass & plastic industries, petro chemical, printing machine, textile machinery, farm equipment and engineering industries for conveyors, rotor roller and related drives.

A chain sprockets are manufactured as per British standards/American standards/Din 8187/Din 8188; Iso R 606; ANSI 29.1. Standards pitch available is 1/4 inch, 3/8 inch, 1/2 inch, 5/8 inch, 3/4 inch, 1 inch, 1 1/4 inch, 1 1/2 inch, 1 3/4 inch and 2 inch. Types are plate type, simplex, duplex & triplex body with plain bore or taper lock bore as per requirement.

Also hardened teeth sprocket are used as applicable.