

# Plastic Roller Chain Sprockets



**Slideways** Plastic Roller Chain Sprockets run more quietly and cause less chain wear than metal sprockets. Other benefits include corrosion resistance, lighter weight, greater impact resistance and FDA approved materials.

The compressibility of plastic materials results in greater tooth deflection than found on a metallic sprocket. Greater tooth deflection means that several teeth will bear the load of the chain, increasing the overall load capacity of the sprocket to approximately the full working load of the chain.

Applications include dusty or gritty environments, food applications requiring frequent wash-downs and areas where a quieter chain drive is needed.

Slideways Plastic Sprockets can be made in other materials than those shown in the following pages. Other sprocket materials include MD-Nylon, Repro UHMW, and Acetal.

**Sizes:** Slideways makes sprockets for metric chain, double pitch conveyor chains (2035 to 2100), double chain (35-2 to 120-2), and **custom designs**.

**Styles:** A-Plate and C-Hub sprockets are made to order.

**Bores:** **Stock Bore:** Sprocket is supplied with an unfinished bore

**Idler Bore:** Advise the shaft size and Slideways will provide the bore with proper clearance to idle on the shaft

**Drive Bore:** Sprocket will be drilled, keyed and have one set screw

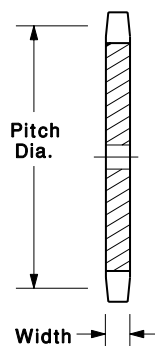
**Bearing Bore:** For higher speed idler applications Slideways will provide the sprocket with a pressed-in ball bearing



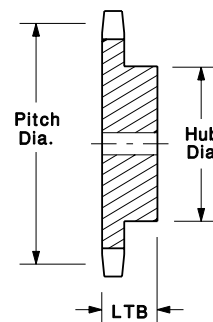
## Other Types of Sprockets

Slideways also makes:

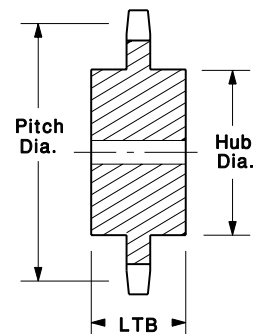
- Wire belt sprockets
- Wastewater treatment sprockets
- Modular belt sprockets
- Mill sprockets
- Tabletop chain sprockets



STYLE A



STYLE B



STYLE C