



Application Data

Bushings

For crawler tractors

Description

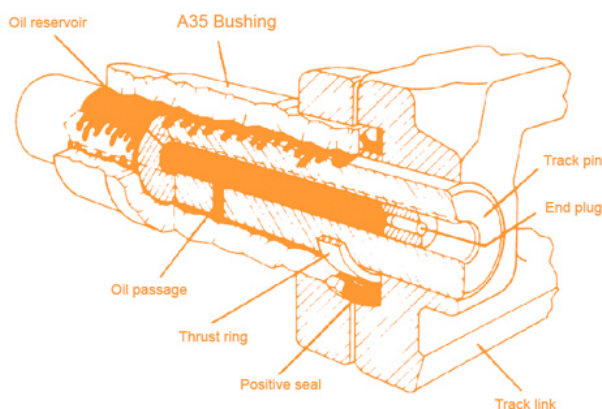
Vehicles used in earth moving, construction, mining and similar applications often employ steel tracks instead of wheels for maximum performance. The tracks have steel-pinned joints and treads with sharp grousers for gripping.

The track itself consists of a true roller chain made up of paired links and shoes, which are bolted to the links. Each pair of links is joined to the next pair by a bushing, through which a pin is inserted. The pin must turn easily in the bushing to provide the necessary hinge action.

In addition to joining the links, the bushings provide a grip for the teeth on the bull wheel. This requires that both the ID and OD of the bushings serve as bearing surfaces.

Material

A35



Advantages

The track is assembled on a hydraulic press which forces the slightly oversize pins and bronze bushings into the links to the extent that they seldom work apart in service.

This type of assembly requires a bushing with high enough elongation to allow a press fit while retaining the strength, hardness and good bearing characteristics necessary for long service life. A35 provides both the superior ductility for easy assembly and high strength for extended service.

