



Application Data

Hydraulic Cylinder Bushings

On earth-moving machinery

Description

Integrated backhoe-loader tractors require hydraulic cylinders to operate the loader bucket, life arms, boom, dipper and backhoe bucket. These are both base-end and rod-end type bushings. Heavy loads, abrasive wear and impact are encountered.

Hydraulic cylinder bushings are located in a number of vital areas on backhoe-loader tractors. These include:

- Bucket cylinder bushing
- Loader bucket cylinder rod-end bushing
- Loader lift cylinder bushing
- Loader lift cylinder rod-end bushing
- Boom cylinder base-end bushing
- Dipper cylinder bushing
- Bucket cylinder bushing

Material

AMPCO® 18 and Ampco 45 aluminum bronzes

Advantages

The inherent toughness of these continuous cast Ampco alloys, plus their maximum wear resistance under abrasive conditions, makes them an excellent choice for this high-load, slow-speed, intermittent service.

The consistent superiority of Ampco alloys over commercial bronze is due, in part, to the unique distribution of alloy microstructure, often referred to as the "Ampco-Phase." Only Ampco alloys offer this metallurgical advantage.

