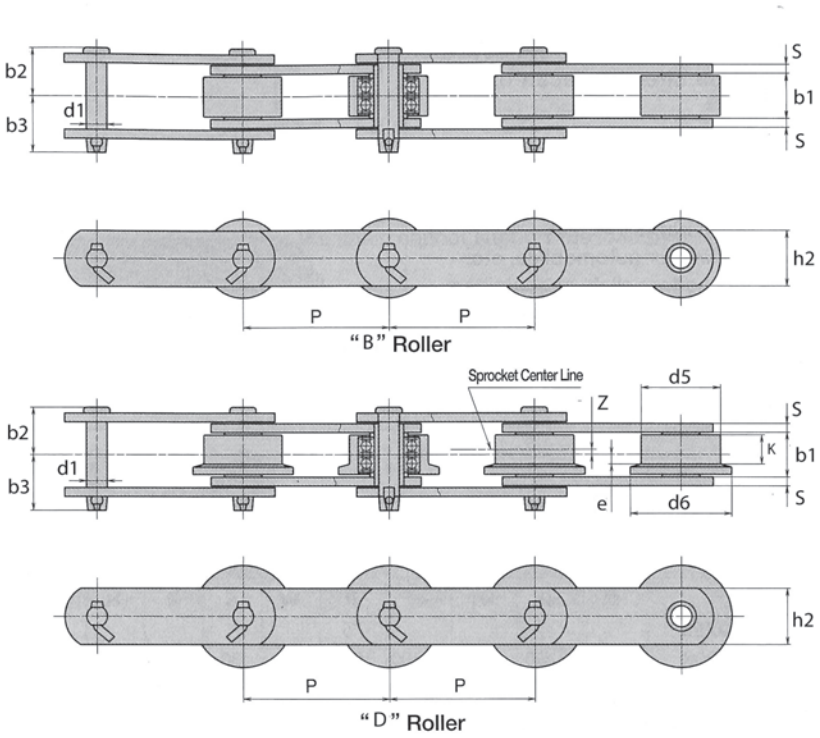
Bearing Roller Type Conveyor Chain

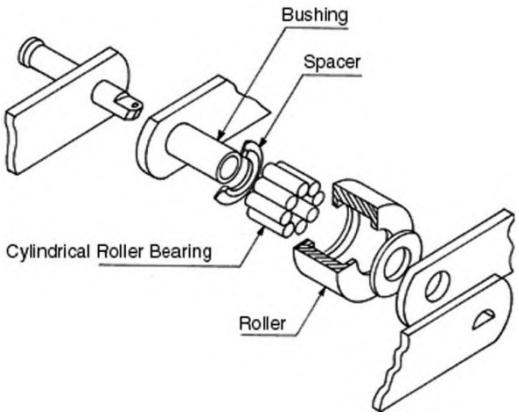
This is a chain with bearings built into the rollers. Since the rolling friction of rollers is small, the drive loss of the chain is small, and the allowable load of rollers is large. So, a chain smaller than a regular conveyor can be selected.

• The base chain is the same as an R roller of F roller type regular conveyor chain.

• The sprockets of a regular conveyor chain can be used.

• The dimensions of attachments are also the same as those of a regular conveyor chain.





Bearing Roller Conveyor Chain has the following features:

(1) ***Lower coefficient of rolling friction***. The coefficient of rolling friction for Bearing Roller Conveyor Chain is one-third to one-sixth that for Conveyor Chain.

Basic Conveyor Chain: without lubrication, 0.13 to 0.18; with lubrication, 0.08 to 0.12.

Bearing Roller Conveyor Chain: 0.03.

This means the chain tension is reduced, and, frequently, a smaller chain size can be used. The conveyor will also require less energy to operate, making it more economical.

(2) ***The initial cost of equipment is reduced***. Because the coefficient of rolling friction is lower, you can use smaller sprockets, motors, reducers, shafts, bearings, and frames.

(3) ***The allowable load of the roller is increased***

It can select a chain two to three sizes smaller. Rollers are also exposed to high load when they engage with sprockets. Even though this load is several times greater than the vertical load on rollers during conveying, it is within the capacity range of the bearing rollers.

(4) ***Lower maintenance. Bearing Roller Conveyor Chain has grease pockets on both its sides***

(5) ***Longevity of the bearing roller***. The bearing roller is large in diameter and short in length; reducing the likelihood of foreign particles getting inside.