GALOL S. A.

SPECIFIC PROCESSES

SPECIAL COATINGS FOR CHAINS

Application technology

Dip-spinning

Spray

Description

GALOL, has developed a specific coating system by requirement of its customers (steel chain manufacturers and users of these ítems).The aim is to minimize wear and ruptura of pins and links.

• Issues caused by friction, wich induces excessive tensión producing lengthening (loosening) or fatigue ruptura of the links.

• Envionment corrosion produces oxide and increases across time. Oxide produces mass loss and makes the links to weaken.

• Presence of hydrogen in the steel structure generated during electroplating process can lead to brittle fracture of pins and links .

• The fracture of a link provoques the inmediate stop of the assembly line and other indirect consequences, thus producing increa-se in costs to the companies..

General properties

• Galol, S.A, has developed the application of the product CAD-5 that helps solving the issues described above.
• It provide excellent lubrication properties and anti-galling properties because of its gliding agents.
• It also provides high corrosion prote4ction that can reach 800 h in salt spray tets, making the use of stainless stell not necessary.
• Coating system free of risk of hydrogen embrittlement, since it does not introduce hydrogen into the steel part.
• Colour identification, with colours like silver, black and others.
• Non-toxicf coating system. It can be used for machinery that manufacture products used in the food industry.

Uses

It can be applied to all types of chains, transmission chains, roller chains, assembled (depending on the size and length) , unassembled, gears, rollers, etc.

THIS TREATMENT IS APPLIED DIRECTLY IN LINE OR IN COMBINATION WITH PREVIOUS AND SUBSEQUENT APPLICATIONS.
GALOL S.A. offers the possibility to reduce logistic costs between the different operations of manufac-turing of the part.

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