

materials

slats

HARD INOX

Special work hardened, chrome-nickel, highly wear corrosion resistant stainless steel. It offers excellent mechanical characteristics and exceptional sliding properties, thanks to a very low surface roughness. It is particularly suitable for the critical points of bottling lines.

Material used for the following chain models:

Super, Flex RXMS, Flex FMS, Flex FMS2, New Flex Mag, Super G*, Flex RXMS G* and New Flex Mag G*.

Minimum temperatures:

- 40°C

Maximum temperatures:

+ 260°C (dry env.),

+ 120°C (wet env.)

* Minimum temperatures: -10°C

Maximum temperatures: +80°C

INOX

Ferritic, AISI 430 stainless steel, work hardened by cold-rolling, with good corrosion resistance. It has an excellent surface finishing with a low roughness, that is a very important quality for the sliding of conveyed products. It is the preferred choice for standard bottling industry applications.

Material used for the following

chain models:

Special, Standard, Flex RXMC, Flex FMC and New Flex Mag.

Minimum temperatures:

- 40°C

Maximum temperatures:

+ 260°C (dry env.),

+ 120°C (wet env.)

HQ INOX (high quality)

Special, new, chrome-nickel (W.1.4589) stainless steel, work hardened. It has been developed in cooperation with a major stainless steel manufacturer for very special applications such as pressureless combiners/inliners. Cold rolled to extremely high quality standards, this material is the right answer to the most sophisticated needs. Its exceptional surface finishing and flatness together with a very high working load and wear resistance are unique features.

Material used for the following

chain models:

Superspeed, Wear-Proof, Flex FMD and New Flex Mag D.

Minimum temperatures:

- 40°C

Maximum temperatures:

+ 260°C (dry env.),

+ 120°C (wet env.)

INOX 18/8

Austenitic, non-magnetic AISI 304 stainless steel (18% Chrome – 8% Nickel), work hardened for high resistance. It provides excellent resistance to chemical agents and corrosion, and offers excellent mechanical and duration characteristics. It is mainly used in the preservation and bottling industry. Approved by Food and Drug Administration (FDA), American government institute for the direct contact with foodstuff.

Material used for the following

chain models:

Stella D, Flex RXM, Flex FM and Flex FM2.

Minimum temperatures:

- 40°C

Maximum temperatures:

+ 400°C (dry env.),

+ 120°C (wet env.)

INOX 316

Austenitic AISI 316L stainless steel (18% Chrome – 14% Nickel – 3% Molybdenum). It is ideal with chemical agents and strong acids.

Material used for the following

chain models:

316 and Flex RXM 316.

Minimum temperatures:

- 40°C

Maximum temperatures:

+ 400°C (dry env.),

+ 120°C (wet env.)

CARBON STEEL

Heat-treated carbon steel with a surface and core hardness of 43 HRC. It is especially suitable for high working loads and it is highly resistant to wear. It is recommended for the glass, ceramic and general product conveying industry. In case of difficult applications, such as with abrasive dust, the carbon steel can be, upon request, case-hardened, thus reaching a surface hardness of 55 HRC and a core hardness of 40 HRC.

Material used for the following

chain models:

Accate, Flex RXMA and Flex FMA2.

Minimum temperatures:

- 40°C

Maximum temperatures:

+ 180°C (dry env.)

+ 120°C (wet env.)

pins

STANDARD PIN

The following chain models :
Special, Standard, Super, Super G,
Flex RXMC, Flex RXMS, Flex RXMS G,
Flex FMS, Flex FMS2 and New Flex
Mag, have pins made of AISI 431
stainless steel, magnetic and work
hardened for high resistance.

HB PINS

The following chain models :
Wear Proof, Superspeed, Flex FMD
and New Flex Mag D, have pins made
of special martensitic stainless steel,
magnetic and heat-treated for high
resistance.

- Increased wear resistance
- Pins life up to 40% higher

XHB PINS

Special patented hardened pins
series XHB are available upon request.
They offer an additional wear
resistance combined with an higher
corrosion strength.

- Pins life up to 100% higher

AUSTENITIC 18/8 PINS

The following chain models:
Stella D, Flex RXM, Flex FM, Flex FM2
have pins made of austenitic stainless
steel (18% Chrome - 8% Nickel),
work hardened for high resistance.

- Excellent corrosion resistance.

AISI 316 PINS

The following chain models:
316 and Flex RXM 316, have pins made
of austenitic AISI 316 stainless steel.

- Exceptional corrosion resistance.

CASE-HARDENED CARBON STEEL PINS

The following chain models:
Accate, Accate C, Flex RXMA, Flex
RXMA C and Flex FMA2, have pins
made of case-hardened carbon steel.

polished hinges for high speed application

Most of straight running and sideflexing Magris chains are available with polished hinges.
This increases the performance of the chains on high-speed side transfers, improves
the contact with the side guides and prevents pulsating of the chain raising the stability
of the conveyed products.

NB.: Upon request, all our chains can be produced with other types of stainless steel.

Every care has been taken to ensure the accuracy of the information contained in this catalogue
but no liability can be accepted for any errors or omissions.

SYMBOLS



EXTRA FLAT
Improved flatness for
optimum product stability.



RA
Best surface
finish