DELTA® RANGE

EXPERTS’ SOLUTIONS for each
APPLICATION CONSTRAINT

SOLUTION

QUALITY

STANDARD

ECO

4

3

2

1
**DELTA® RANGE**

**YOUR NEED:** **RESISTANCE TO WEAR**

**THE SOLUTION:** **DELTA® HR CHAINS**

"My chain works in a dusty or abrasive environment"

"My chain elongates quickly. I would like it to last longer"

- **UNEQUALLED HARDNESS OF THE TREATED PINS**
  even with large diameter - thanks to DELTA® thermochemical treatment invented and developed by SEDIS, allowing to reach hardness of 1800 HV.
  - Remarkable resistance to abrasion and oxidation

- **COEFFICIENT OF FRICTION OF DELTA® ARTICULATION LOWER**
  than case hardened ones.
  - Seizure greatly postponed

- **NEW GENERATION WAX** which liquefies in operation.
  - Reduction of friction in the articulations
  - First re-lubrication postponed compared to standard lubrication.

- **PREFORMED BI-CONIC BUSHES** allowing to have an increased pin/bush work surface for a uniform distribution of mechanical constraints.
  - Improvement of wear resistance

**THE AVANTAGES**

- **RESISTANCE TO ABRASION & OXIDATION**
- **SUITABLE TO SEVERE APPLICATIONS**
- **UNEQUALLED SERVICE LIFE**
- **REDUCTION OF DOWNTIMES**
- **GLOBAL SAVINGS (33% ON AVERAGE)**

**YOUR NEED:** **RESISTANCE TO CORROSION**

**THE SOLUTION:** **DELTA® TITANIUM CHAINS**

"My chain operates in a corrosive environment, it corrodes quickly and I would like to replace it less frequently"

"I would like to find an alternative to stainless steel to reduce my chain’s elongation"

- **DELTA® TREATMENT ON THE PINS**
  and all the characteristics of DELTA® HR chains
  - High resistance to abrasion and oxidation

- **ANTI-CORROSION COATING**
  (guaranteed without hexavalent Chrome) applied to all the other parts before assembly.
  - Exceptional protection against corrosion

- **FUNCTIONAL USE in:**
  - salty and/or abrasive environments,
  - temperatures from -30 to +130°C
  (Higher temperatures are possible, consult us)

**THE AVANTAGES**

- **HIGH RESISTANCE TO WEAR & CORROSION**
- **BREAKING LOADS HIGHER THAN STAINLESS STEEL**
- **UNEQUALLED SERVICE LIFE**
- **REDUCTION OF DOWNTIMES & MAINTENANCE**
- **LONG-TERM SAVINGS**

**Resistance of anti-corrosion coating in salt spray according to ASTM B117**

- **White Zinc**
  - 95h
  - Yellow Zinc
  - 450h

**Comparison of a case hardened articulation and a DELTA® articulation in friction**

- **STANDARD**
- **DELTA®**

**Nombre d’articulations**
YOUR NEED: **LONG SERVICE WITHOUT LUBRICATING**

THE SOLUTION: **VERTES CHAINS** ("green chains")

"My chain operates in a humid environment or where maintenance is difficult or impossible"

"My maintenance costs are too high"

"I would like an environment-friendly chain"

A **REGULAR LUBRICATION** of chains **GUARANTEES THEIR LIFE TIME**
However it is sometimes and for many reasons **difficult to implement**. The solution in a clean environment is the use of **VERTES® Chains**, which operate **WITHOUT OIL INPUT**.

While **reducing the maintenance global costs**, the absence of lubrication allows a **reduction of risks** on your installations by:
- Avoiding maintenance and contamination by oil projection
- Limiting risk of fire
- Decreasing risk of pollution

*The Verte® chains exist in 2 versions depending on the chain’s pitch:*

**LUB FREE VERTE**

- **PITCHES**: from 12.7mm to 25.4mm
- **ENVIRONMENT**: clean, from -5°C to +80°C
- **USE**: high speed & light load

- Parts nickel-plated against corrosion
- Sintered bushes impregnated with oil which remains in the bush and allows its procurement during the entire operation of the chain
- Pins with hard surface treatment

**DELTA VERTE**

- **PITCHES**: from 19.05mm to 63.5mm
- **ENVIRONMENT**: clean, humid or under water, from -30°C to +80°C
- **USE**: low speed & heavy load

- Self-lubricating composite bushes allowing the chain to operate without oil
- DELTA® treated pins
- Protection of the metal parts thanks to the anti-corrosion treatment

**THE AVANTAGES**

- HIGH RESISTANCE TO WEAR & TO CORROSION
- ENVIRONMENT-FRIENDLY
- SAFETY OF THE INSTALLATION
- NO NEED FOR MAINTENANCE
- MAINTENANCE COSTS SAVED

**THE VERTES CHAINS** are usable**[(2)](footnote1)** in the **FOOD INDUSTRY**

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**Footnotes:**

1. For other pitches, consult us
2. without any direct contact between food and chain