

# ALPHA *Premium* RANGE

a **HIGH QUALITY** chain  
with **PROVEN RESULTS**



# ALPHA PREMIUM RANGE

*The strength of French quality  
to enhance your productivity*

## **BS ALPHA PREMIUM CHAINS**

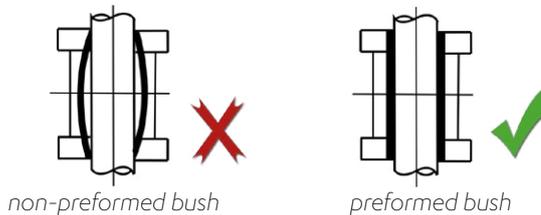
*Our Alpha Premium chains are recognized for their performances that reflect SEDIS' 100 years of expertise and innovation, to offer an optimum ease of use.*

### **SAFETY AND RELIABILITY OF YOUR INSTALLATIONS**

- **Increase of load breaking:** resistance to traction superior to 20% on average compared to standards.
- Optimized design by finite elements of the different components of the chain:
  - Energy savings on use by reduction of mass
  - Improvement of transmission performance
  - Improved yield
- Mastery of heat treatments, metallurgy, steels and assembly which guarantees the consistency of the highest quality level of our products, to always get more reliability.

### **EXTENDED LIFETIME AND REDUCED MAINTENANCE COSTS**

- **New generation wax lubrication** which liquefies in operation in order to spread more efficiently in the articulations, limiting therefore friction and offering an increased **anti-wear and anti-corrosion protection**. By solidifying at rest, it avoids lubricants losses, allowing much longer lubrication gaps, and contributing to **reduced maintenance costs**.
- SEDIS technology of **preformed bi-conic bushes:**
  - Increase of the pin/ bush work surface
  - Uniform distribution of mechanical constraints
  - Improvement of wear resistance

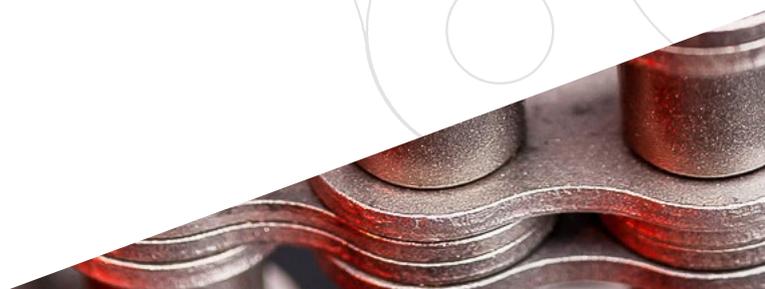
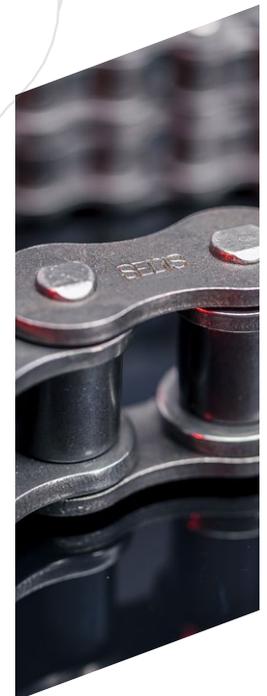


**? DID YOU KNOW?**

**Sedis was the first chain manufacturer around the world to get the ISO 9001 certification, which has always been renewed since.**

### **SEDIS SERVICES**

- BS range in **steel and stainless steel versions**
- A **wide range of possible adaptations**
- **Pre-tensioning:**
  - Reduced elongation
  - Increased life time
- **Matching** on demand for chains operating in parallel
- Cut and manufacturing of **chains by the length:**
  - Easy assembly
  - Improved safety of your working environment



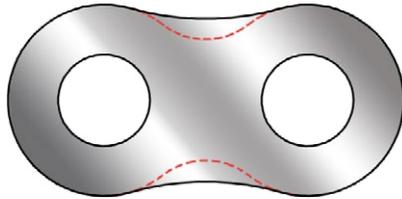
# ASA ALPHA PREMIUM CHAINS

Our ASA Alpha Premium chain have been designed to make them the most high performing chains of their generation.

## UNEQUALLED RESISTANCE TO FATIGUE

- **New plate profile**, developed by our Research Department, which was optimized by enlarging the profile to reduce the constraints on the holes.

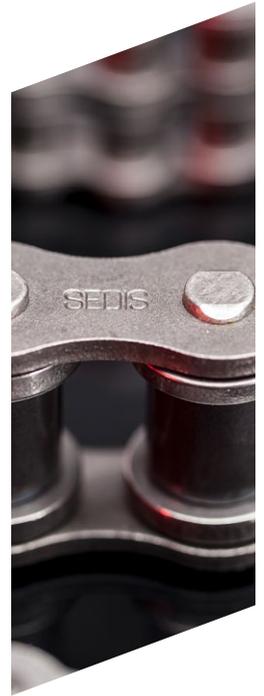
Unprecedented Resistance to fatigue  
Increased breaking loads (+15% on average compared to the standards)



----- Old Alpha range profile

———— New Alpha Premium range profile

- **Solid bushes**, made with the most innovative techniques of bush forming, that allow perfect fitting in the plates.
- **Shot peening on the plates**, that allows creation of compressive constraints on the surface, in order to fight initiation and spread of fatigue cracks, thus improving the resistance to fatigue of the plates by 20%.
- **Reduced play** on the articulation for a better resistance to fatigue.



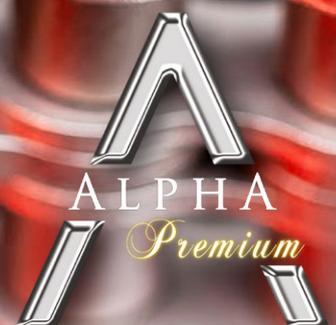
The inner plates of ASA chains are higher than the outer plates, that gives them the same breaking load with the same thickness, and a better resistance to fatigue.

## REINFORCED WEAR RESISTANCE

- **New wax lubricant** with an improved anti-wear and anti-corrosion protection, allowing to limit frictions by liquefying in operation, thanks to a better penetration in the articulations.
- **High hardness and resistance of the pins**, designed with carefully selected steels and heat treatments.

## THE MOST EFFICIENT chains of the market

In terms of resistance to fatigue





**ALPHA**  
*Premium*

