ALPHA Premium RANGE

a HIGH QUALITY chain
with PROVEN RESULTS
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 consistancy 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

**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

**DID YOU KNOW?**

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

- **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.

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.

DID YOU KNOW?

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.

THE MOST EFFICIENT chains of the market

*In terms of resistance to fatigue*