SIDERVAL
SPECIAL PROFILES IN STEEL

Mech. Engineering

Hot Extruded Profiles for Ski Lift Systems

Profile: Special Profiles
Material grade: Carbon steel S355J2 & S235JR
Execution: Hot Extruded
Destination: Worldwide

BACKGROUND

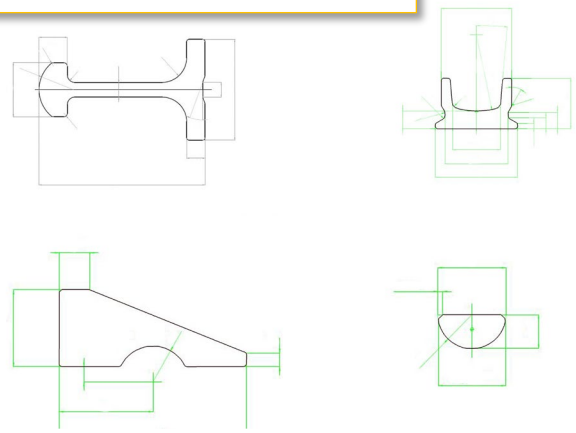
In the **ski lift industry**, the safety and durability of structures are paramount.

Steel, known for its superior **mechanical properties**, is the material of choice for ski lift infrastructure. It is used to construct support towers, ski stations, and mechanical components, essential for the safety and comfort of users.

The use of steel profiles, easily adaptable to various shapes and sizes, enhances design flexibility and, with treatments such as **normalization**, extends the life of the facilities by reducing maintenance needs.

These qualities make **steel indispensable** in ski lift systems, ensuring reliability and endurance under extreme operating conditions.

CHALLENGE



In addressing the specific challenges for this order, several critical factors must be taken into account to ensure the customer's needs are met comprehensively. Key challenges include:

- The customer needs both **long and short bars** from the same profile.
- Maintaining an inventory of profiles based on the client's annual consumption estimates.
- **Quick delivery** of the profiles.
- Providing normalized profiles with guaranteed mechanical properties according to **EN 10204/3.1 standards**.

SOLUTION

To address these challenges, Siderval offers a new service of cutting profiles to specific lengths, accommodating both long and short bar requirements.

We maintain a **stock of profiles** based on the client's annual consumption estimates, ensuring rapid delivery.

All profiles undergo normalization heat treatment, guaranteeing mechanical properties according to **EN 10204/3.1 standards**.

By keeping a tailored stock, we reduce lead times and provide clients with high-quality, ready-to-use profiles efficiently and reliably.