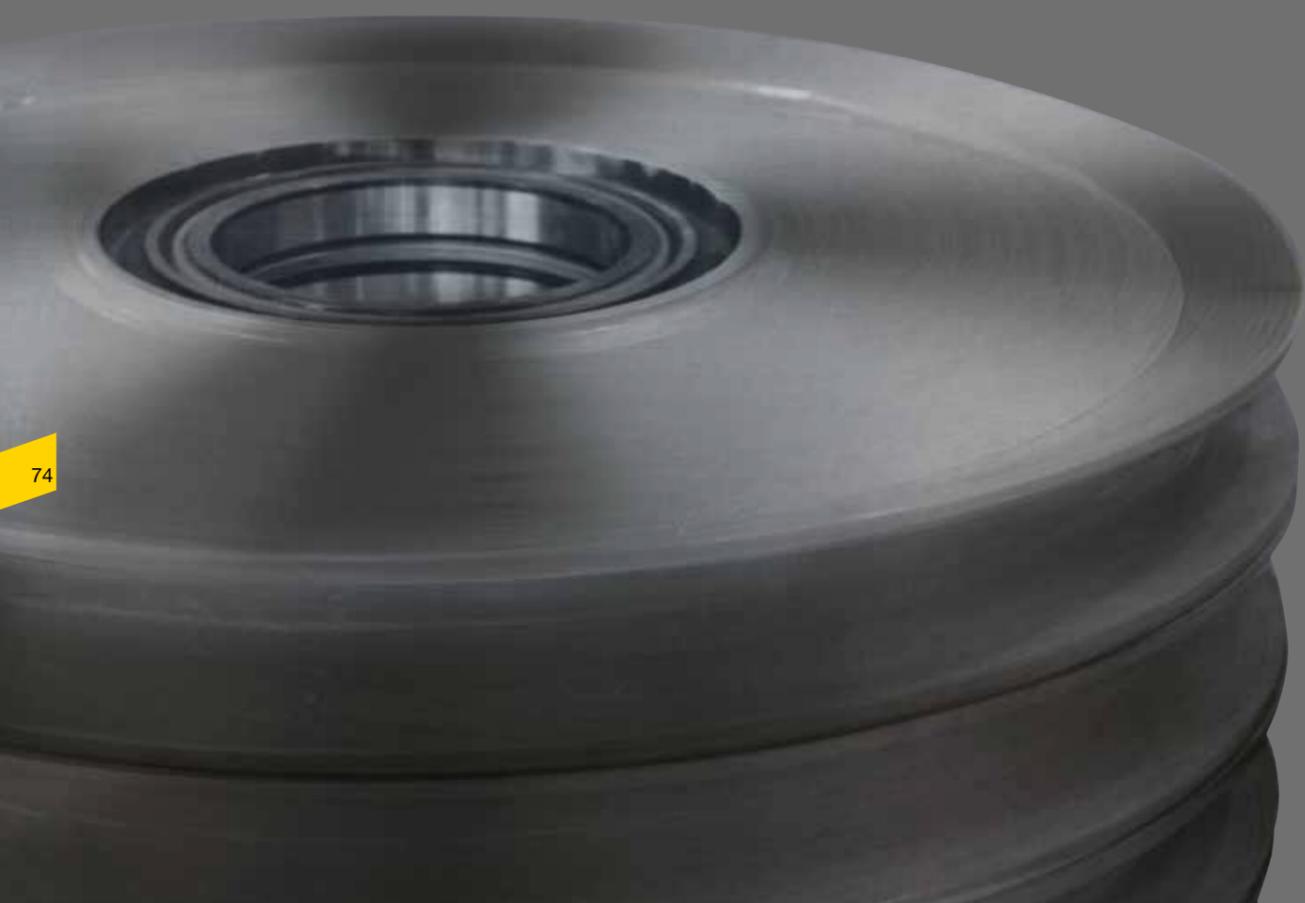




ROPE SHEAVES

Originating as a part of an IRIZAR block, the sheave today is a standard-alone product with its own character.



Main dimensions and tech characteristics for sheaves:

| PLATE MATERIAL | SHEAVE A TYPE (1 welding plate) | SHEAVE C TYPE (2 welding plates) | SOLID SHEAVE (free of welding) |
|---------------------|---------------------------------|----------------------------------|--------------------------------|
| Outer diameter (mm) | Ø125 - Ø800 | Ø500-Ø1500 | Ø150 -Ø2500* |
| Inner diameter (mm) | Ø100 - Ø710 | Ø100-Ø1300 | Ø100-Ø1800 |
| Welding | YES | YES | NO |
| Welded unions | 2 | 4 | 0 |
| Groove angle | 45° | 45° | customer request |

*Above 2500 mm custom based design.

A TYPE SHEAVE: 1 plate + 1 welding

Due to its 1 + 1 design and cold working manufacturing process.

A type sheave is a very competitive option with high quality. As it is naturally limited to heavy loads is greatest choice for small and medium diameters.

| | |
|-------------------------|--------|
| PLATE MATERIAL | S275JR |
| HUB MATERIAL | STE355 |
| MINIMUM GROOVE HARDNESS | 180HB |

C TYPE SHEAVE: 2 plates + 2 welding

C type sheave has a 2+2 design with a strategic inclination of its plates. Owing to this, it can withstand heavier loads than A type with a more uniform stress distribution. Therefore, it allows larger diameters with less limitation of the load SWL.

Its only limitation is through being welded and because it is a hollow sheave. For that reason, it is not recommended for subsea jobs/duties and/or corrosive environments.

| | |
|---------------------------|--------|
| ANGLE AND PLATES MATERIAL | S355J2 |
| HUB MATERIAL | S355 |
| MINIMUM GROOVE HARDNESS | 180HB |

SOLID SHEAVE: Free of welding

It offers the strongest solution in comparison with the A and C type sheaves because it lacks any welding. It can be machined according to customer's drawings in rolled or forged steel.

Due to the manufacturing processes, they make it the most suitable sheave to work in harsh & hazard environments where welding is not allowed at all.

Two different production technologies can be used to achieve free of welding criteria based on forging reduction and mechanical values requirements.

