



PIONEERING NYLON SHEAVES

Committed to excellence

Nylacast has been at the forefront of design and application development of Sheaves for over 40 years. Utilising the latest in CAD/CAM technology and enhanced engineering excellence, Nylacast sheaves have been in demand for many decades now. This coupled with our expertise and knowledge in polymers materials makes Nylacast sheaves the ideal choice for your application. Industry users for Nylacast sheaves include those involved in Construction Equipment, Oil & Gas, Agriculture, Food Processing and Packaging and Quarrying and Mining to name a few.

Advantages of Nylacast Sheaves over Steel Sheaves

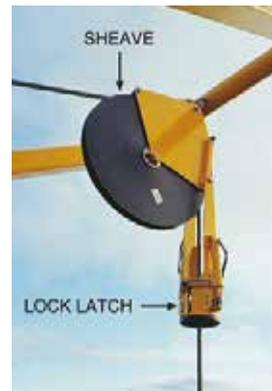
Using advanced polymers, in particular those based around cast nylon, allow for a number of significant advantages in sheave application. These include increased wire rope life, reduced component weight, protection against corrosion, reduced maintenance costs whilst offering improved lifting. In addition, Nylacast sheaves can be specifically formulated with modifiers and internal lubricant packages (Nylacast Oilon and Nylube) appropriate to end use which further enhances performance.



Case study

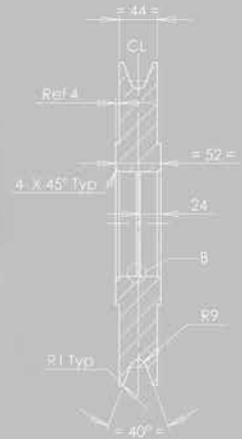
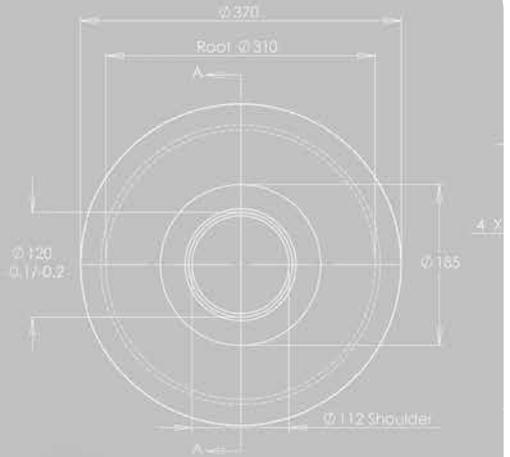
Launch and Recovery Sheave.

The versatile strength of Nylon Sheaves sees them used more today than ever in ROV Launch and Recovery Systems (LARS). In the LARS application the sheave wheel is fitted to the 'A' frame or crane of greater diameter than the minimum bend radius of the ROV umbilical. The key factor is the strength of the Nylon material that allows for the weight of the ROV system as well as any increase in weight due to heavy sea states.



Nylacast Sheaves:

- › 1 inch diameter to over 118 inches
- › Made to design specifications
- › Provides Increased wire rope life
- › Reduced component weight (increased lift capacity)
- › Protected against corrosion
- › Reduced maintenance cost
- › Improved lifting



Industry users include

- › Construction Equipment
- › Crane Equipment
- › Oil and Gas
- › Maritime
- › LARS
- › Agriculture
- › Food Processing
- › Packaging
- › Defence
- › Quarrying and Mining

Project Management & Support Lightweight

Custom Components **HPHT Product Development** Centralisers

Material Selection **Dedicated Customer Service**

Global Presence ROV Components **FEA Analysis**

Low Friction Components **UK Manufacturing** Spooling Shells

Engineering with Polymers **Custom Formulation**

Research & Development Sheaves Custom Components

Increasing Performance & Efficiency

ROV Components **Engineering Design** Corrosion Resistance

Specialist Polymer Knowledge & Solutions

Quality Control Rollers J Tube Seals **Document Control**

Sheaves **Innovative Engineering Design**

Bend Restrictors **Full Traceability** Shrouds ATEX **Testing** Wear Pads

Substantial Industry Knowledge

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 **NYLACAST**
ENGINEERING PLASTIC SOLUTIONS