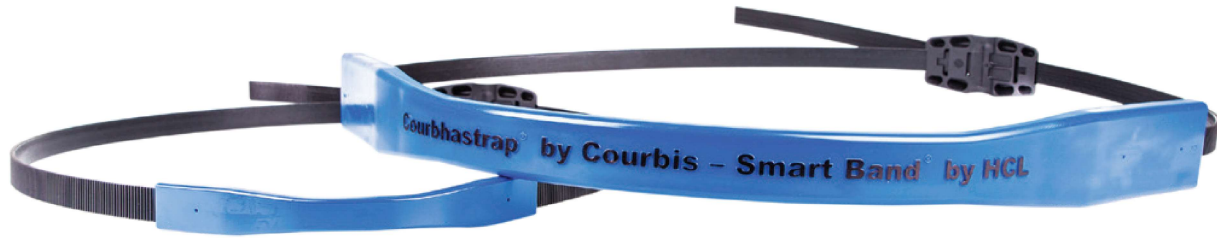


Smart® Courbhastrap



The Problem

Ultra deep water projects are now using new coated pipe with 5 LSPP (five layer Syntatic Polypropylene) & C25 Silicon System. Deep water pressure causes the shrinkage of the coatings generating an OD reduction of up to 10%. The result is a loss in the tension of any bands attached.

The Solution

In collaboration with Group Courbis of France HCL have developed the Courbhastrap. Designed to maintain tension over long life in applications where the diameter increases or decreases by up to 10% – Qualified by Technip – Total & Hereema for the Kaombo project.

Smart® Saddles



Polyurethane Cast Saddles



Machined Saddles



Injection Moulded Saddles



HCL have a dedicated team of highly qualified engineers on hand to work with the clients on special projects. HCL can design and supply PU Casted, PP injection moulded or machined parts which work in conjunction with the Smart® Range specifically the Smart® Band & Smart® Ties. HCL also has an In-House Tool Shop to enable a quick response to client inquiries and delivery of a complete package including ties & saddles. These saddles are often referred to as Piggyback saddles and generally used in the attachment of Cables to Offshore or Subsea Structures such as Risers, Pipes or Oil Rigs.

Style	Materials	Volume	Cost	Lead time
Cast	PU	10-500	££	Short
Machined	HDPE	1-50	££	Medium
Moulded	PA66, PPS, PA12	500+	£	Long