





Industrial Machinery and Equipment

Radio Frequency Identification Tags



Environment	Marine
Grade/surface	316, polyester powder coated
Main thickness or diameter	Precision strip 0.27 mm - Carrier 0.5 mm
Manufacturer	Source Engineering and Manufacturing, Plympton, Devon, UK

Stainless steel holders and cable ties serve as carriers for radio frequency identification (RFID) tags. Tens of thousands of them are used for the remote identification of cables, pipes, valves and other infrastructure in the offshore oil and gas industry. Small electronic chips are encoded with serial numbers and other information required for asset management. When exposed to interrogating radio waves, they act as passive transponders and allow cables and their interconnections to be identified accurately. Unlike a barcode, the tag does not need to be within line of sight of the reader, which makes their use faster and more reliable. The fasteners must be resistant to splash seawater, a wide range of ambient temperatures and strong mechanical loads. Austenitic stainless steel precision strip has the required mechanical and corrosion resistant properties. The additional coating provides a strong colour that makes the tiny electronic chips and their carriers easily visible.