



# DRILL PIPE CASING TOOL



The Drill Pipe Casing Tool is designed to enable the operator to achieve push capabilities for wide range of larger drill pipe and casing joints up to 12". A multi functional tool, it is a vital component in the implementation of a Hands Free working environment when performing operations on rig floor, catwalk area and V door areas .

Also suitable for handling of bundles of drill pipe and variety of fishing tools, it creates a safe distance and buffer area in the complex and hazardous operation of pipe movement and casing operations.



(Enclosed Handle)  
**DPCT18007** 1200mm  
**DPCT18008** 1500mm

(Open Handle)  
**DPCT19008** 1500mm

Custom made lengths available on request

Manufactured from medium density polyethylene and 30mm marine grade aluminum makes the Drill Pipe Handling Tool light weight and extremely durable. Suitable for use in harsh environments.

## FEATURES

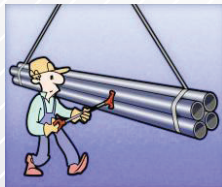
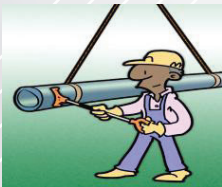
- The 'arc' shaped attachment engages with larger pipe ie. Casing, conductor and bundles of drill pipe
- Push function gives the handler maximum control
- Tag line retrieval hook provides 'pull' control
- Tag lines to stabilise suspended loads from a safe distance before engaging tool
- Engage attachment face on, for maximum control
- Only engage when the casing and bundles of drill pipe are positioned at waist level
- Always wear correct personnel protective equipment when using hands free tools
- Always be aware of swinging load, use tag lines to stabilize from a safe distance before engaging tool
- Tool not designed to be used for leveraging activities
- Available in two different lengths: sizes 1200mm and 1500mm
- Attachments in hi-visibility colour
- Heavy duty aluminum shaft
- Available with enclosed hand grip or non-slip rubber hand grip models
- Fitted with fully replaceable non-slip, low compression rubber grommets
- Fitted with hand protector as standard
- Fitted with durable Foam/rubber hand grip

## APPLICATIONS

For use by deck crews and drill floor crews in the movement of drill pipe and bundles of drill pipe.

### How to use

- Two pronged U attachments that can accommodate up to 6inch pipework and hoses.
- Option of 'Push' or 'Pull' function provides the handler with maximum control.
- Engage attachment face on, for maximum connection.
- Assists with accurate positioning of drill pipe and hoses in either a vertical or horizontal position.
- Tag line retrieval function available.
- Only engage when the drillpipe and hoses are positioned at waist level.
- Always wear correct personnel protective equipment when using hands free tools.
- Always be aware of swinging load, use tag lines to stabilize from a safe distance before engaging tool.
- Tool not designed to be used for leveraging activities.



Single Drill Pipe / Bundles of Drill Pipe

# CONFIDENTIAL REPORT

## PRODUCT SPECIFICATION TESTING

**IPSD**

INDUSTRIAL POLYMER  
SOLUTIONS AND DESIGN  
CENTRE

**CAS**

CONTRACT ANALYTICAL  
SERVICES

**Client:** Offshore Handling Systems Ltd.  
**Report Date:** 18th May 2012

**Project Number:** 11144

**1.0 Introduction:** Product 11141-2 (Drill Pipe Casing Tool) was submitted to the Contract Analytical Services in the IPSD Centre for the following product specification testing:

- Accelerated Aging Stability Test;
- Accelerated Weather Resistance Test;
- Accelerated Salt Spray Exposure Test;
- Accelerated Chemical Resistance Test;
- Functional Joint Tensile Strength (ISO 527);
- Maximum Loading of the Product (ISO 527);

The sample components (polymer, aluminium and elastomer) were tested for evidence of degradation and the effects of aging, weathering, chemical attack, mechanical property changes and masterbatch (colour) stability within the 2-year shelf life study.

**Sample(s) I.D.:**

**Sample ID:**  
11144-2

**Description:**  
Drill Pipe Casing Tool



**2.0 Results:**

**Results Summary**

Table 2.1 – Summary Results for Testing of Product

Sample ID	Result
Accelerated Aging	Shelf Life of Product: Minimum of 2 Years Aging Resistance
Accelerated Weather Resistance Test	Shelf Life of Product: Minimum of 2 Years Weathering Resistance
Accelerated Salt Spray Exposure Test	Shelf Life of Product: Minimum of 2 Years Salt Spray Resistance
Accelerated Chemical Resistance Test	Shelf Life of Product: Minimum of 2 Years Fuel/Oil Resistance
Functional Joint (Handle) Tensile Strength Proximal End (ISO 527)	5520 N (> 0.5 tonne)
Functional Joint 2 Tensile Strength Distal End (ISO 527)	6010 N (> 0.5 tonne)
Maximum Loading of the Product (ISO 527) Compression Strength	10870 N (> 1.0 tonne)

**3.0 Approved by:**



*Alan Murphy*  
Senior Research Officer