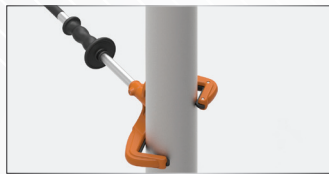




# DRILL PIPE MULTI HANDLING TOOL

**Enclosed Handle****DPMT18023** 850mm**DPMT18024** 1200mm**DPMT18025** 1500mm

The Drill Pipe Multi Handling Tool is designed to enable the operator to achieve push/pull capabilities for a wide range of suspended drill pipe in both a vertical and horizontal position. This is the only product on the market that has been developed with a one size fits all approach for the handling of these high-risk activities involving movement of drill pipe. It is a unique design and ergonomic handling. They Drill pipe multi Tool can accommodate drill pipe from 2 $\frac{3}{8}$ " to 6  $\frac{1}{2}$ " with no mechanical parts. A multi-functional tool, it is a vital component in the implementation of a Hands Free working environment on both the rig floor and catwalk areas. Also, suitable for handling a variety of drilling/fishing tools and hoses, it creates a safe distance and buffer area in the complex and hazardous operation of pipe movement. Shorter version available for use in manufacturing and workshop repair facilities where space is restricted.

Custom made lengths available on request.

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

## FEATURES

- With unique tool design incorporating single opening to accommodate pipe range in size ranging from 2 $\frac{3}{8}$ " to 6  $\frac{1}{2}$ " diameter.
- Allowing for ease of engagement with drill pipe. Designed with robust medium density polyethylene tool attachment.
- The Drill Pipe Multi Tool securely fit variety of Drill pipe by engaging tool and operator waist action. 35 Degree turn of handle will secure full drill pipe range 2 $\frac{3}{8}$ " to 6  $\frac{1}{2}$ ".
- No moving mechanical parts thus reducing product failure.
- Tagline retrieval capabilities.
- Available in a variety of different lengths to facilitate a variety of applications as required.
- Attachments in hi-visibility colour.
- Heavy duty aluminium staff.
- Fitted with heavy duty rubber strip for extra non-slip grip when pipes are engaged.
- Fitted with hand protector as standard.

Fitted with durable foam/rubber hand grip.

## APPLICATIONS

For use in the movement of suspended drill pipe, drill tools, fishing tools, BHA, pup joints, slick line operations and workovers. Also, suitable for the handling of hoses and take on bulk hose lines. The Drill Pipe Multi Handling Tool perfectly complements the existing use of taglines by providing exceptional control of the load and flexibility to the handler in the movement and landing of Drill pipe. Extremely useful tool in the work shop repair and manufacturing facilities where close contact and control is required such as loading tooling machines and test bays.

## USER GUIDE

- Always wear correct personnel protective equipment when using hands free tools.
- Always maintain communication with driller/crane operator during lift operation. Work in conjunction with banks man when load is suspended.
- Always identify an escape path during drill pipe rigging operations.
- One internal opening that can accommodate pipework from 2 $\frac{3}{8}$ " to 6  $\frac{1}{2}$ " and hoses diameters. Only engage pipe work and hoses when load is in a stationery position.
- Always be aware of swinging load, use taglines to stabilise from a safe distance before engaging tool. Never stand under a suspended load.
- Insert drill pipe into tool opening until it sits in V sections of Tool
- Once pipe has been inserted to V section, Rotate wrist in clockwise position to gain contact into V rubber profiles. Maintain wrist tension for maximum control during movement. Full drill pipe range is accomplished with 35 Degree wrist movement.
- When desired position had been achieved. Release of the tool by rotating wrist to a neutral position anti-clockwise. When pipe is free to release through tool opening. Pull tool back to remove Drill pipe
- Always store tools not in use in a dry location to prevent mechanical damage.

**PLEASE NOTE:** This tool not designed to be used for leveraging activities.

# CONFIDENTIAL REPORT

## PRODUCT SPECIFICATION TESTING

**IPSD**

INDUSTRIAL POLYMER  
SOLUTIONS AND DESIGN  
CENTRE

**CAS**

CONTRACT ANALYTICAL  
SERVICES

**Client:** Offshore Handling Systems Ltd.  
**Report Date:** 30st October 2017

**Project Number:** 18020

**1.0 Introduction:** Product 11141-3 (Drill Pipe Multi Handling Tool) was submitted to the Contract Analytical Services in the IPSD Centre for the following product specification testing:

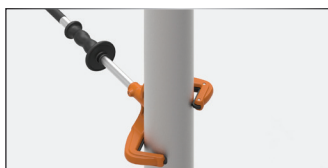
- Accelerated Aging Stability Test;
- Accelerated Weather Resistance Test;
- Accelerated Salt Spray Exposure Test;
- Accelerated Chemical Resistance Test;
- Functional Joint Tensile Strength (ISO 527);
- Maximum Loading of the Product (ISO 527);

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:**  
18020

**Description:**  
Drill Pipe Multi Handling 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)	5640 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