



REVIEW NO > 2018-606
CERTIFICATE NO > 0229/19-3
APPROVAL DATE > 8th July 2019
EXPIRY DATE > 7th July 2020
REGISTERED SINCE > 8th July 2019

**DESIGN
APPROVAL
2019**

DP-Master Manufacturing (S) Pte Ltd.

105 CECIL STREET, #20-03, THE OCTAGON, SINGAPORE 069534.

This is to certify that the following design has been reviewed and approved by
Fearnley Procter and a NS-1™ Technical Review Committee.

Qualification is in conformance with the requirements of:

**Fearnley Procter NS-1™ Edition 3 Quality and Inspection Requirements
for New and Refurbished Drilling and Well Completion Equipment Standards.**

SPECIFICATIONS

- > Drill Pipe with Welded Tool Joints
NS.03.30.00.1110

CONNECTION

- > DPM-ST52ZAD Double Shouldered Rotary Drilling Connection

SCOPE CONTENT

- > A Level 3 Design and Performance Review was performed on the DP-Master Manufacturing (S) Pte Ltd. Design of DPM-ST52ZAD Double Shouldered Rotary Drilling Connection, for use on Drill Pipe only against NS-1™ requirements, and that the product was designed with consideration to catastrophic failure avoidance. Evaluations were conducted based on failure modes commonly observed when equipment is used for purposes for which it was designed.



Fearnley Procter Group
Non-productive-time Solutions

Issued By
Kevin Fearnley
Chairman NS-1™ Technical Review Committee

A handwritten signature in black ink, appearing to read 'Kevin Fearnley'.

CONDITIONS: Any changes/revisions to the essential design stated in the supplied drawings by DP-Master Manufacturing (S) Pte Ltd. and documented in 2018-606 will render the connection design "unapproved" subject to Fearnley Procter review of the changes.

To maintain validity during the said period the above named Company must maintain a valid subscription to and comply with the Fearnley Procter NS-1™ Quality and Inspection Requirements for New and Refurbished Drilling and Well Completion Equipment.
Certificates and Levels of Approval can be verified at www.fearnleyprocter.com