

<i>NCSX RFD</i> <i>Part I</i>	Number: 12-009	RFD Description: NCSX Vessel Port Manufacture
Initiator: Doug McCorkle		Organization: Major Tool and Machine
List of Impacted Documents: (<i>Specification, MIT/QA Plan, SOW, drawing, etc.</i>) SE120-004		
Cost Impact: (<i>If none, so state</i>) NONE		
Schedule Impact: (<i>If none, so state</i>) NONE		
Quality Impact: (<i>If none, so state</i>) NONE		
State Requirement Deviation is Requested For: (<i>Specification, MIT/QA Plan, SOW, drawing, etc.</i>):		
<p>Full Description of the Deviation Requested: (<i>Use continuation pages, e-mails, letter, sketches, etc. as needed and include amplifying information as appropriate to support deviation request.</i>)</p> <p>Deviation Requested: The replacement (Trinos 480FBL080-E (4.63 Blank)) flanges have clearance holes instead of design specified MDC 130022 tapped 4.63 OD Weld Flanges. This will require longer bolts and the use of nuts to attach to the port flange. Request using MDC P/N 190063 bolts, and 190180 nut plates to attach the blank flange to the Trinos flange. The magnetic permeability characteristics of the MDC nut plates are an unknown to MTM.</p> <p>Two possible choices available (See Attachment). Recommend Choice 1.</p> <p>Or, it may be possible to machine and install special inserts and use specified hardware or re-machine both flanges (weld flange and cover) and use larger diameter bolts. Request PPPL provide specific part number / part description / design specifics if one of these options are selected. Obviously, magnetic permeability would be a concern.</p> <p>Justification: Parts cannot be assembled based on current conditions. Field assembly / disassembly access may also be a concern.</p>		
Attachments: Doug McCorkle e-mail of October 4, 2005 to Michael Viola		
Initiator Signature: <u>Doug McCorkle</u> Date: <u>October 4, 2005</u>		

<i>NCSX RFD</i> <i>Part III</i>	Number: 12-009	RFD Description: NCSX Vessel Port Manufacture
RLM: Brad Nelson		Organization: ORNL
Impact on Interfaces with Other WBS Elements/Items: (If none, so state): WBS 12		
<p>RLM Recommendation:</p> <p><input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve</p> <p>Additional remarks:</p> <p>Paul Goranson: Choice 1 from D. McCorkle e-mail (Attachment) accepted. Use holes “as is” and MDC bolt hardware kit 190045.</p>		
RLM Signature: _____		
<p>Project Disposition:</p> <p><input checked="" type="checkbox"/> Approved. No ECP required.</p> <p style="text-align: center;">_____ NCSX Systems Engineering Support Manager</p> <p><input type="checkbox"/> Approved. ECP - assigned and processed.</p> <p><input type="checkbox"/> Not Approved. Reason(s) for disapproval:</p>		

From: McCorkle, Doug [<mailto:dmccorkle@majortool.com>]
Sent: Tuesday, October 04, 2005 1:47 PM
To: Michael E. Viola
Cc: manuel-majortool-com-offsite
Subject: RE: Need different fasteners to support 4-5/8" Trinos flanges

Choice # 1: Leave holes as is and PPPL specify desired hardware (bolts and nuts (or plate-nuts))

Choice # 2: PPPL specify desired threaded inserts. MTM will custom machine the flanges and install per provided direction.

Doug McCorkle