



Unit 12 Barratt Trading Estate, Denmore Road, Bridge of Don, Aberdeen AB23 8JW

RISER User Manual

This Manual Covers the Following Part Numbers:

110-2654-HV0

This is a certified safety critical product and modifications or changes not authorised by Phuel Oil Tools may compromise the Safety, Functionality and Certification of the assembly.

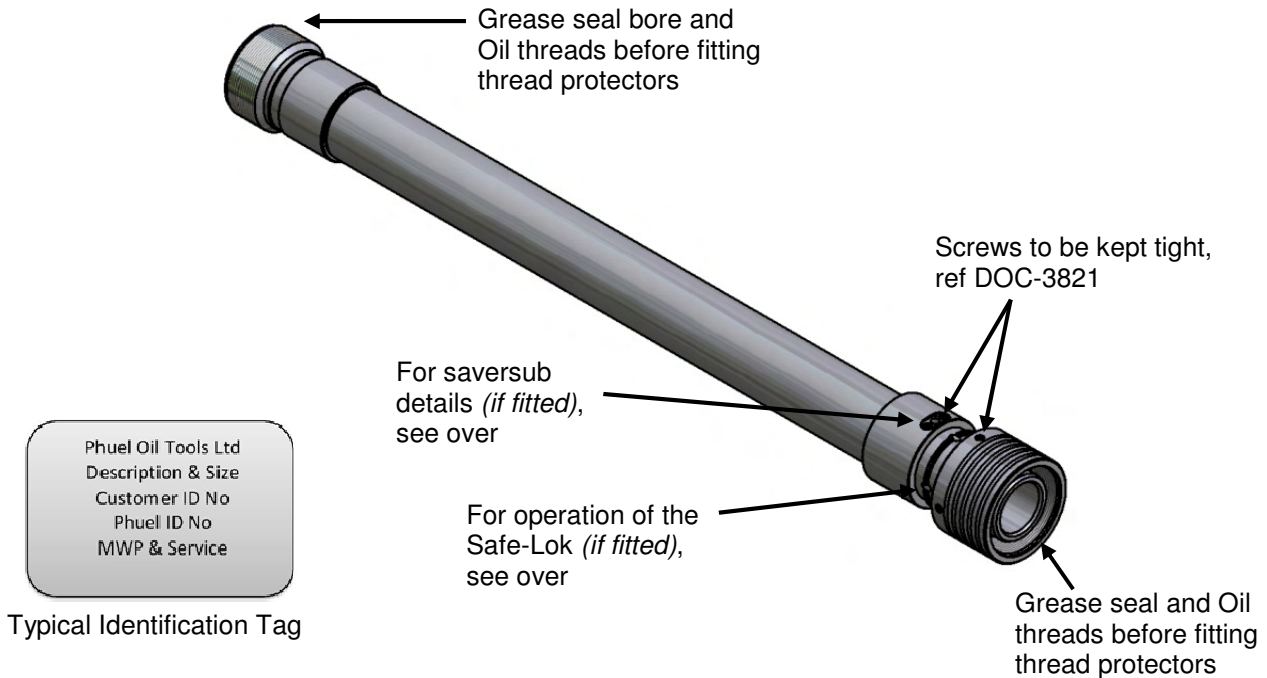
Safety Considerations:

All pressure equipment has a particular pressure rating and care must be taken to ensure that no item is used in a situation that may cause its working pressure to be exceeded.

This equipment is heavy and should not be lifted without lifting aids

OPS-2654 REV A

Recommended Operation and Maintenance for a Typical Riser



Pre Job

- Check that the certification and scheduled maintenance is up to date.
- Examine the assembly, to make sure that it is good operating order, and seal areas and threads are not damaged.

Post Job

- After each job, the assembly should be thoroughly cleaned and redressed if required.
- The assembly should be protected against the effects of corrosion and damage.

Annually

- Inspect the condition of sealing surfaces and surface coatings, and threads, repair/replace as necessary.
- Re-coat threads and sealing surfaces if necessary. Contact Phuel if in doubt.
- Pressure Test to 300 to 500 psi and to maximum working pressure.
- Inspect paintwork and repair where necessary.

Five Yearly

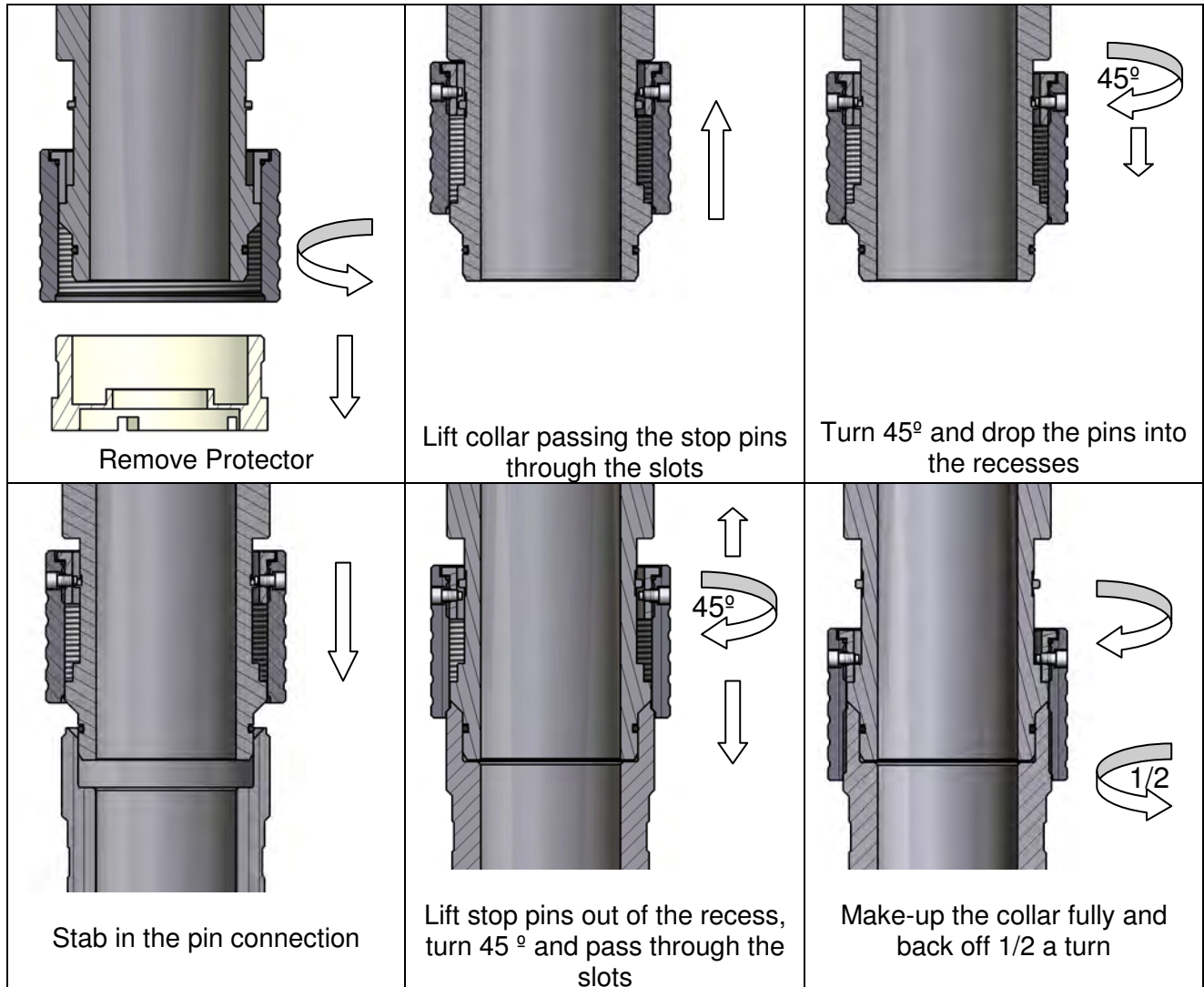
- Recertification by Phuel Oil Tools in accordance with DNV-RP-E101

Pressure Test

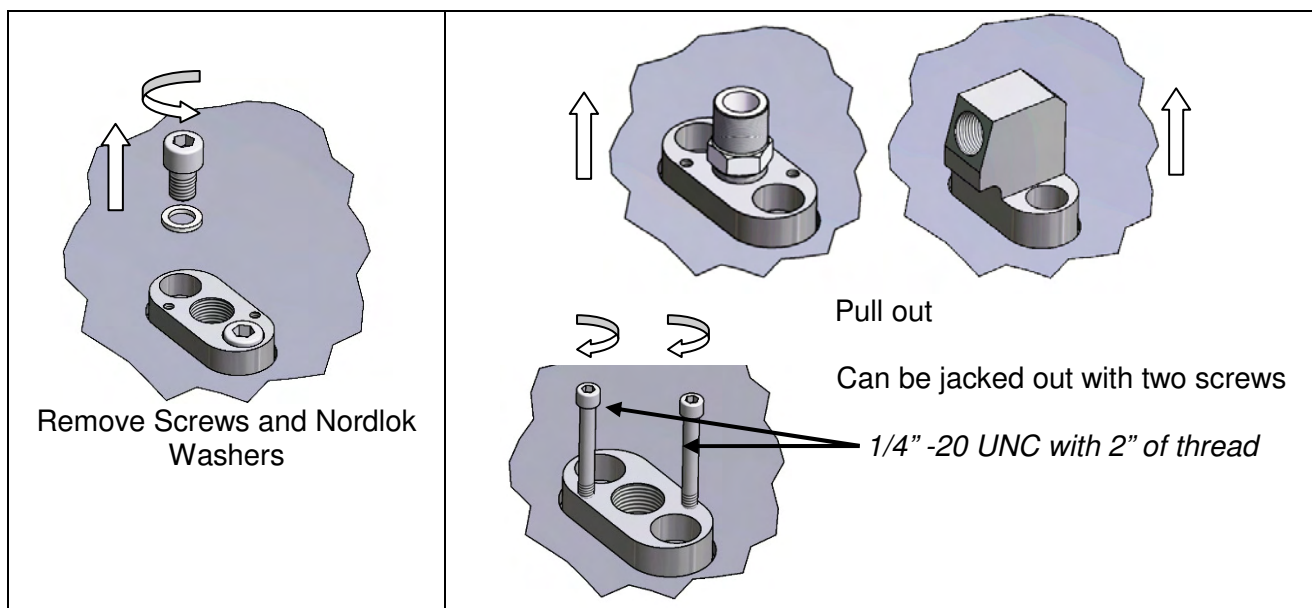
- Fit the appropriate test caps and fill with test fluid, bleeding off any air in the system
- Apply pressure between 300 to 500 psi and hold for a minimum of 10 minutes
- Increase pressure to Maximum Working Pressure, allow to stabilise and hold for 15 minutes with no visible leaks.
- Bleed off pressure, drain test fluid, and remove test caps and dry
- Apply coating of de-watering solution to protect the bore and threads, and fit thread protectors

Safe-Lok Operation

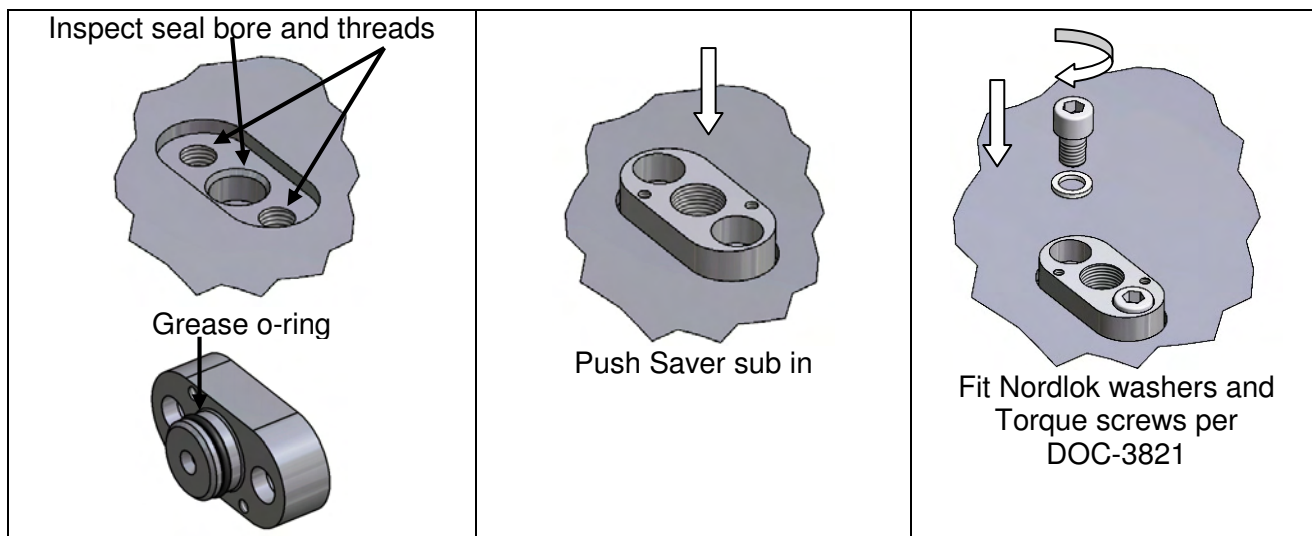
Where fitted, this is identified by an upset shoulder above the collar with slots and recesses.



Saver Sub Removal



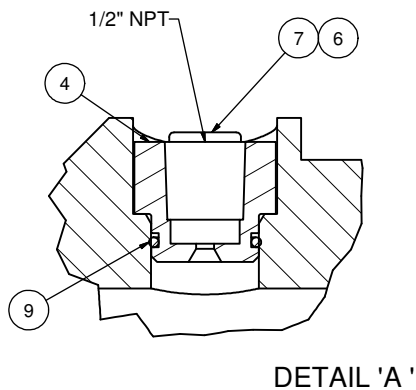
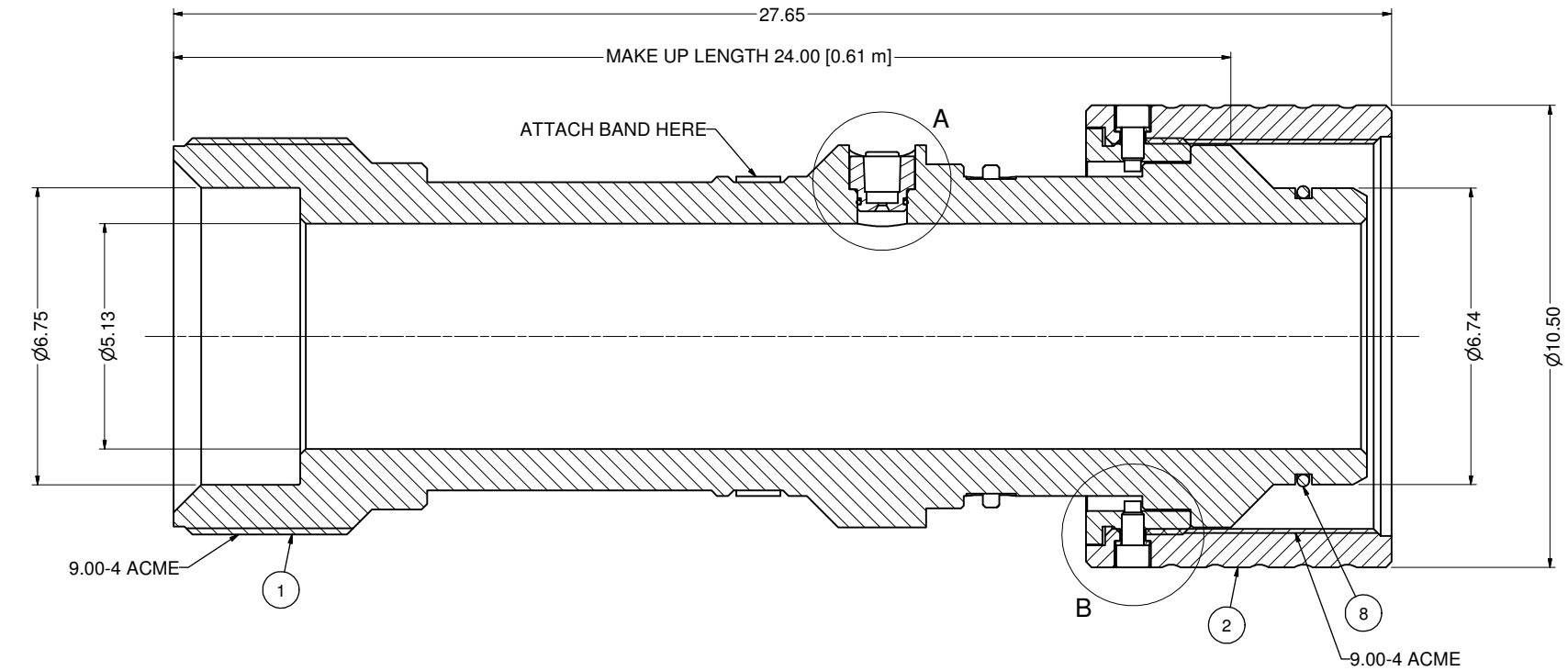
Saver Sub Refitting



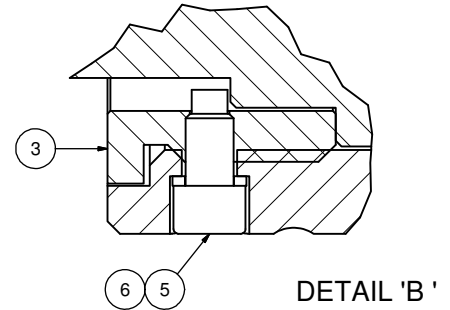
Alternative Saver Subs

Other saver subs are available, contact Phuel Oil Tools for details.








NOTE:
 WEIGHT: 244 lbs / 111 Kg
 10,000 PSI WORKING PRESSURE
 15,000 PSI TEST PRESSURE
 FIT THREAD PROTECTORS (NOT SHOWN)



OPS-2654 REV A

CRITICAL COMPONENT?		Y						DRAWN	Iain McCracken	16/02/2009	Phuel Oil Tools Tel 0785 992 0170		
MINIMUM YIELD STRENGTH (KSI)		N/A						CHECKED	M.MCCORRY	17/02/2009			
MATERIAL CERT W/ IMPACTS?		N						  N.T.S		TITLE 2ft RISER ASSEMBLY 10,000 PSI WP / 15,000 PSI TP			
NDT PER API 6A (PSL-3)?		N											
SURFACE COATING								UNLESS STATED OTHERWISE: X.X ± 0.062 X.XX ± 0.030 X.XXX ± 0.010 ANGLES ± 0° 30' ALL DIAS CONCENTRIC TO 0.010 T.I.R SURFACE FINISH 250 RMa DIMENSIONS IN INCHES		PRODUCT NO 110 DOC NO 2654 MATERIAL SEE PO REV A STATUS Released SHEET 1 OF 1			
SELECT TO SUIT MATERIAL TYPE													
CARBON STEEL	N/A							REVISION HISTORY					
STAINLESS STEEL	N/A												
			REV	DATE	DESCRIPTION		BY						



User Manual - Bill of Material and Spares

Bill of Material – 110-2654-HV0

Item	Part Number	Description	Qty
1	110-2648-480	RISER (2ft LONG) 5.125 ID	1
2	110-2053-480	COLLAR 9-4 (SPLIT TYPE)	1
3	110-2054-480	SPLIT RING 9-4	1
4	145-2176-480	SAVER SUB PORT	1
5	110-2329-3A4	STOP PIN FOR (9" & 8.375")	4
6	WNL-0580-316	WASHER NORDLOCK (M12)	6
7	SHC-0583-3A4	Soc Hd Cap 1/2 UNC Length 3/4 in	2
8	801-0438-V90	O-Ring - B.S Size 438	1
9	801-0119-V90	O-Ring - B.S Size 119	1
100	910-3369-N66	MALE PROTECTOR (DW) 9-4 ACME	1
101	910-3370-N66	FEMALE PROTECTOR (DW) 9-4 ACME	1

Spares

Use only spares supplied or approved by Phuel Oil Tools Ltd. O-Rings conform to industry standards and may be substituted with those from other suppliers — **at the sole risk of the user.**

Individual items may be ordered as required using the part number specified

Elastomeric spares are supplied in Viton and HNBR material as standard. Many other materials are available please specify when ordering.

It is recommended that sufficient quantities of the following spares be maintained to ensure that the equipment is always available when required.

Item	Part Number	Description	Qty
8	801-0438-V90	O-Ring - B.S Size 438	1
9	801-0119-V90	O-Ring - B.S Size 119	1

Redress kit: RDK-2654-HV0