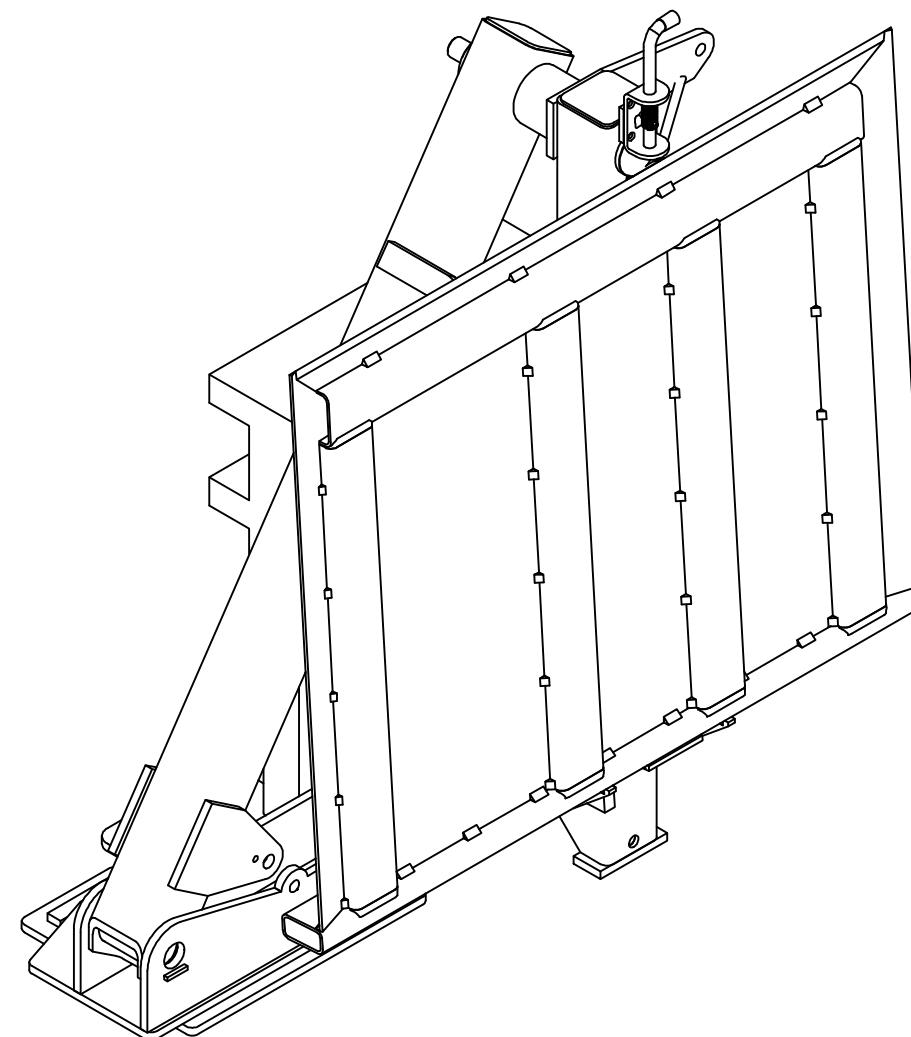


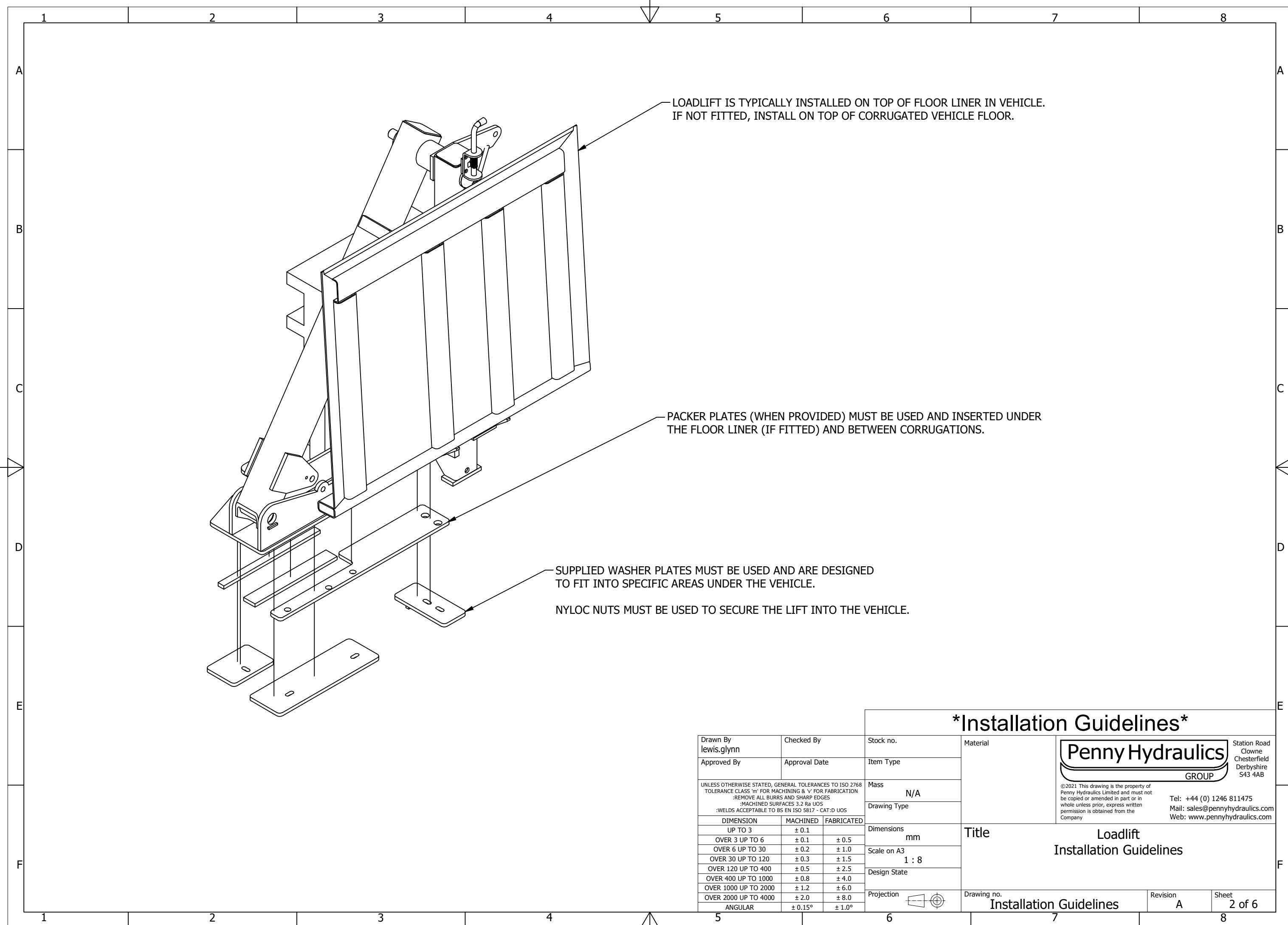
LOADLIFT INSTALLATION GUIDELINES

NOTE: THE LIFT SHOWN IS A GENERIC MODEL, FOR REPRESENTATION USE ONLY.

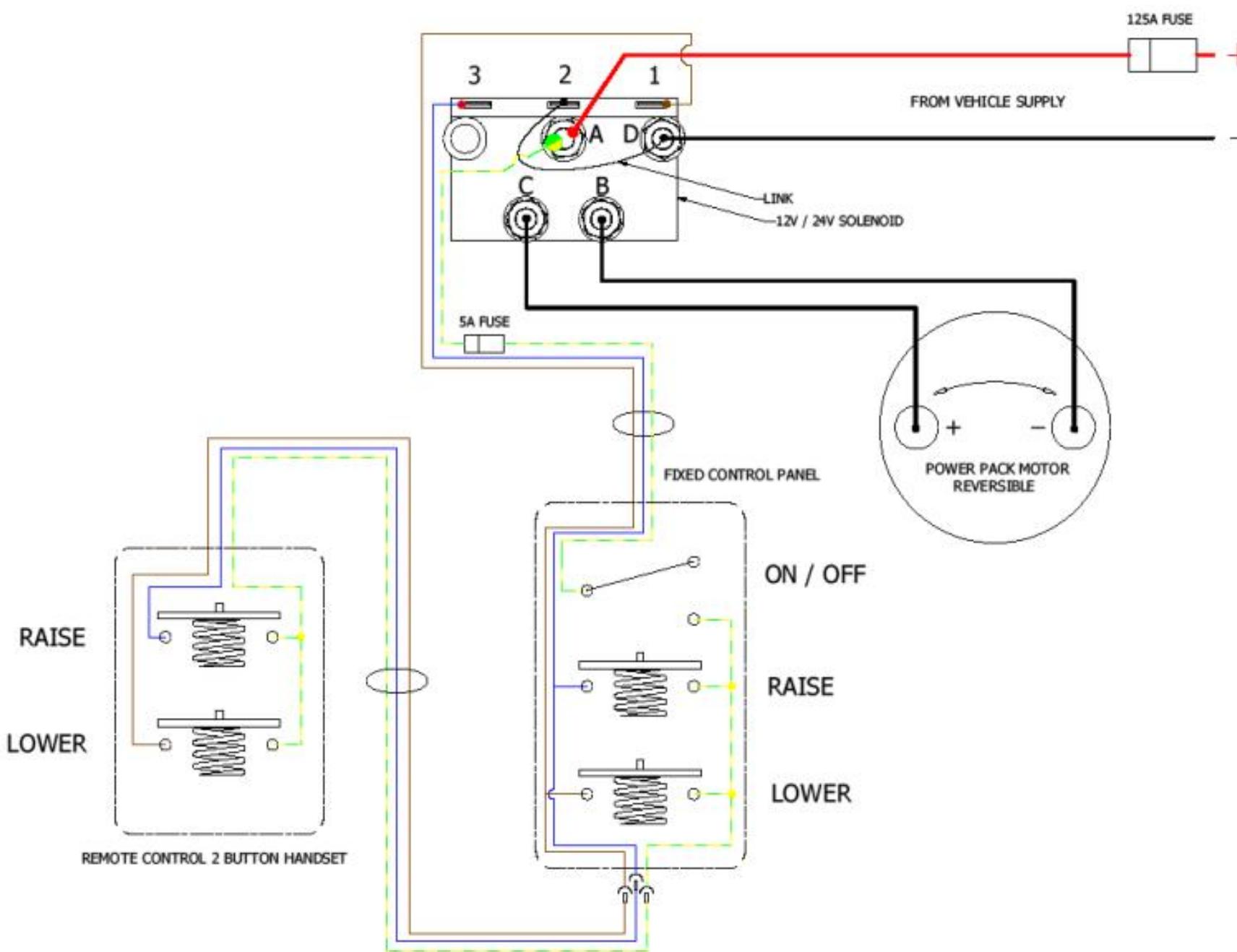
- INSTALLATIONS SHOULD ONLY BE CARRIED OUT BY COMPETENT PERSONS.
- THE LIFT CAN BE BROKEN DOWN INTO THREE SEPERATE COMPONENTS. THE LOADLIFT, PACKER PLATES AND WASHER PLATES AS SHOWN ON THE NEXT PAGE.
- THE LOADLIFT SHOULD BE WIRED WITH 135A CABLE AND EARTHED AS CLOSE TO THE LIFT AS POSSIBLE THROUGH THE CHASSIS. THE LIFT SHOULD BE FUSED WITH A 125A FUSE AS CLOSE TO THE VEHICLE BATTERY AS POSSIBLE.
- A DATUM HOLE EXISTS ON MOST BASEPLATES, THIS WILL BE IDENTIFIED AS A YELLOW MARKED HOLE. BUT CAN ALSO BE IDENTIFIED AS AN 8.5mm THRU HOLE. THIS TYPICALLY ALLIGNS WITH A LASHING RING IN THE VEHICLE.
- THE LIFT WILL ARRIVE WITH IT'S MAX WORKING LOAD PRE SET.
- THE LIFT IS DESIGNED TO BE INSTALLED IN AN EMPTY PLY-LINED VEHICLE. IT THEREFORE MAY BE NECESSARY TO REMOVE SOME INTERNAL COMPONENTS TO AVOID INTERFERENCE.
- FURTHER INFORMATION IS AVAILABLE BY CONTACTING PENNY ENGINEERING LTD.



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Approved By	Approval Date	Item Type			
UNLESS OTHERWISE STATED, GENERAL TOLERANCES TO ISO 2768 TOLERANCE CLASS 'm' FOR MACHINING & 'V' FOR FABRICATION : REMOVE ALL BURRS AND SHARP EDGES : MACHINED SURFACES 3.2 Ra UOS : WELDS ACCEPTABLE TO BS EN ISO 5817 - CAT:D UOS	Mass	N/A	Drawing Type	<p>©2021 This drawing is the property of Penny Hydraulics Limited and must not be copied or amended in part or in whole unless prior, express written permission is obtained from the Company</p>	<p>Tel: +44 (0) 1246 811475 Mail: sales@pennyhydraulics.com Web: www.pennyhydraulics.com</p>
DIMENSION	MACHINED	FABRICATED			
UP TO 3	± 0.1		Dimensions mm	<p>Title</p> <h2>Loadlift Installation Guidelines</h2>	<p>Revision A</p>
OVER 3 UP TO 6	± 0.1	± 0.5	Scale on A3 1 : 8		
OVER 6 UP TO 30	± 0.2	± 1.0	Design State	<p>Drawing no.</p> <h2>Installation Guidelines</h2>	<p>Sheet 1 of 6</p>
OVER 30 UP TO 120	± 0.3	± 1.5			
OVER 120 UP TO 400	± 0.5	± 2.5	Projection		<p>Sheet 1 of 6</p>
OVER 400 UP TO 1000	± 0.8	± 4.0			
OVER 1000 UP TO 2000	± 1.2	± 6.0	Projection		<p>Sheet 1 of 6</p>
OVER 2000 UP TO 4000	± 2.0	± 8.0			
ANGULAR	$\pm 0.15^\circ$	$\pm 1.0^\circ$			



WIRING DIAGRAM



+12V & GROUND SHOWN
CONNECTED TO SOLENOID

WIRING INSTRUCTIONS

- 125A INLINE MIDI FUSE MUST BE INSTALLED AS CLOSE TO VEHICLE BATTERY AS POSSIBLE.
- LIFT TO BE GROUNDED TO CHASSIS AT SHORTEST DISTANCE POSSIBLE.
- PROVIDED 135A CABLE TO BE USED.

Drawn By lewis.glynn	Checked By S	
Approved By	Approval Date J	
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DIMENSION	MACHINED	FABRICATED
UP TO 3	± 0.1	
OVER 3 UP TO 6	± 0.1	± 0.5
OVER 6 UP TO 30	± 0.2	± 1.0
OVER 30 UP TO 120	± 0.3	± 1.5
OVER 120 UP TO 400	± 0.5	± 2.5
OVER 400 UP TO 1000	± 0.8	± 4.0
OVER 1000 UP TO 2000	± 1.2	± 6.0
OVER 2000 UP TO 4000	± 2.0	± 8.0
ANCHOR PLATE	± 0.150	± 1.00

Installation Guidelines

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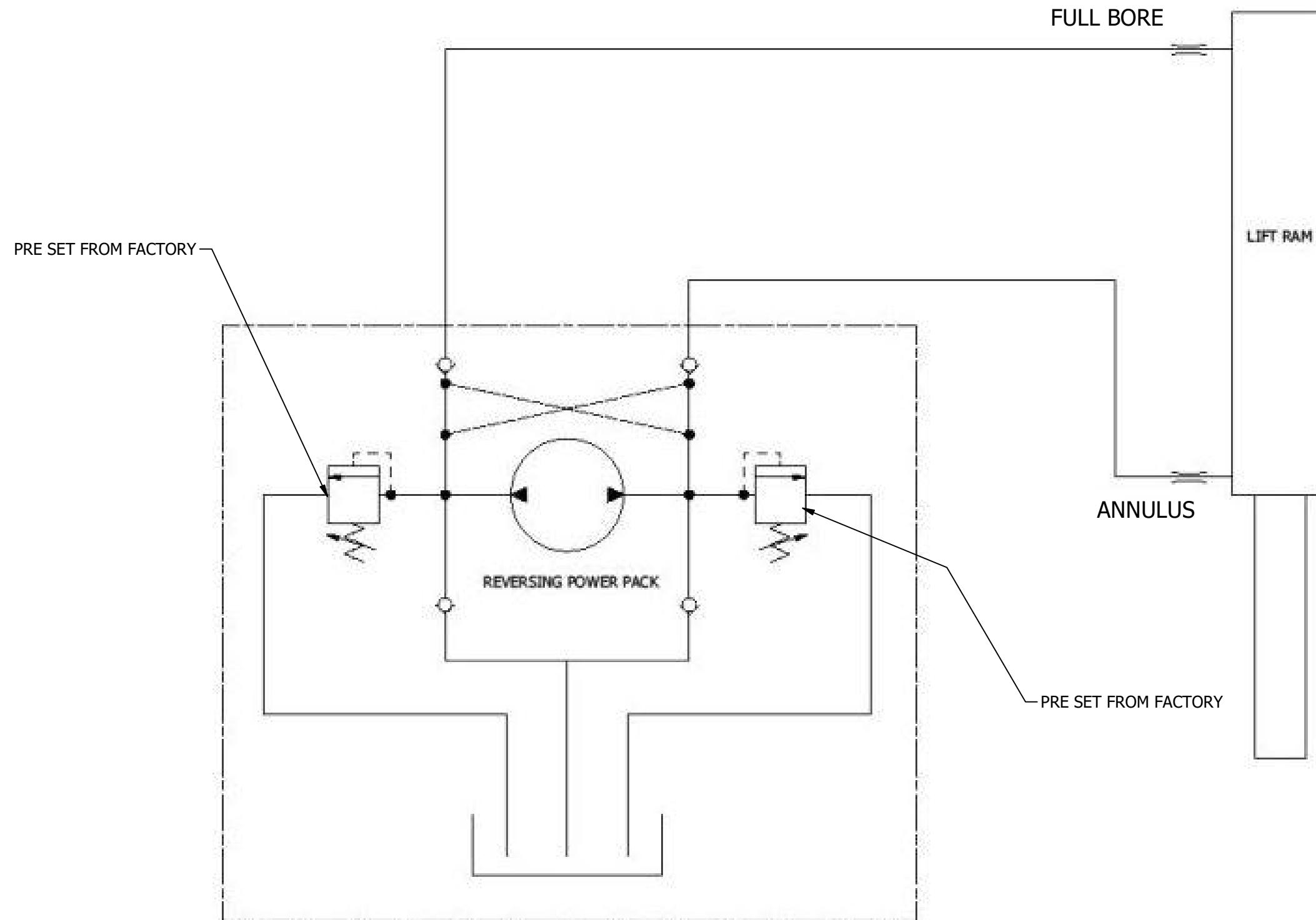
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HYDRAULIC SCHEMATIC



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DIMENSION	MACHINED	FABRICATED	
UP TO 3	± 0.1		Dimensions mm
OVER 3 UP TO 6	± 0.1	± 0.5	
OVER 6 UP TO 30	± 0.2	± 1.0	Scale on A3 1 : 12
OVER 30 UP TO 120	± 0.3	± 1.5	
OVER 120 UP TO 400	± 0.5	± 2.5	Design State
OVER 400 UP TO 1000	± 0.8	± 4.0	
OVER 1000 UP TO 2000	± 1.2	± 6.0	
OVER 2000 UP TO 4000	± 2.0	± 8.0	
ANGULAR	$\pm 0.15^\circ$	$\pm 1.0^\circ$	Projection

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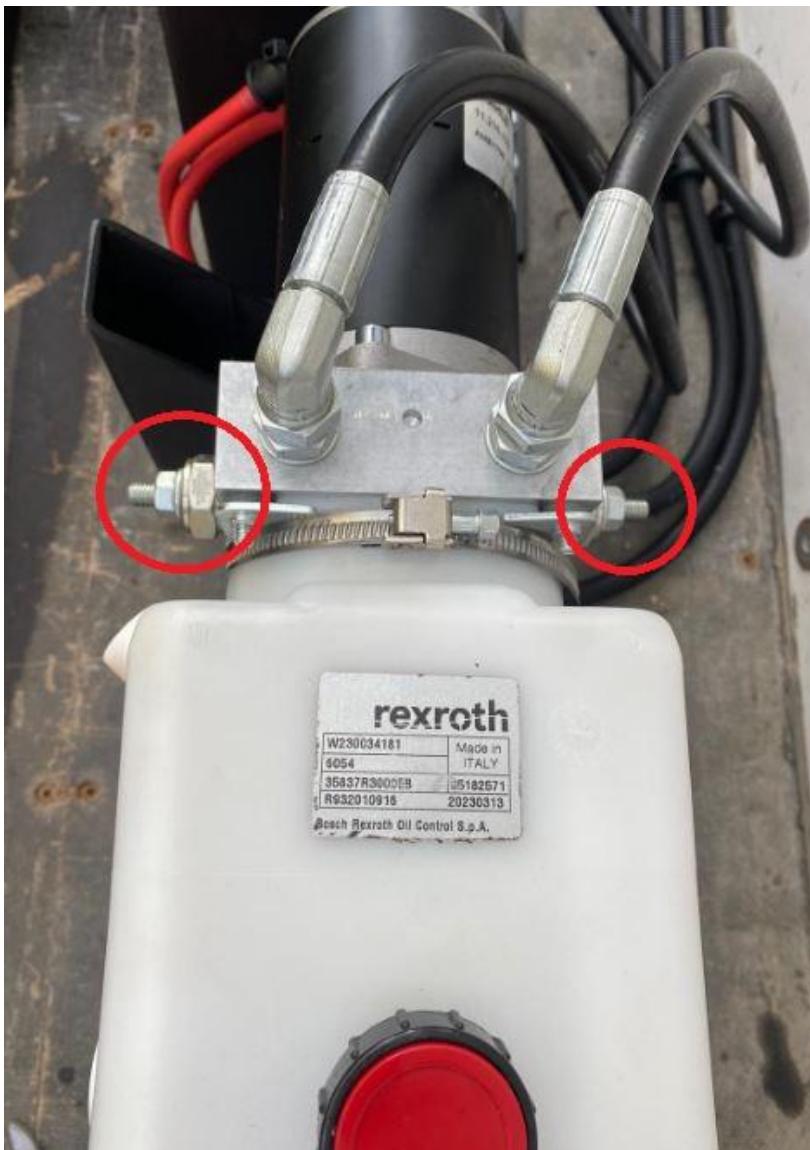
Title
Loadlift
Installation Guidelines

Drawing no.
Installation Guidelines

Revision
A
Sheet
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MIKROSPIN POWERPACK ADJUSTMENT

1. DETERMINE WHICH RELIEF VALVE IS CONNECTED TO FULL BORE & WHICH SIDE TO THE ANNULUS. PRESSURE RELIEF ADJUSTMENTS ARE SHOWN IN IMAGED BELOW CIRCLED IN RED.
2. WIND OUT TO DECREASE PRESSURE IN POWERPACK. ADJUSTMENT SHOULD ONLY BE CARRIED OUT WHEN ABSOLUTELY NECESSARY. DECREASING PRESSURE REDUCES THE MAX WORKING LOAD OF THE LIFT.



FLUIDLINK POWERPACK ADJUSTMENT

1. DETERMINE WHICH RELIEF VALVE IS CONNECTED TO FULL BORE & WHICH SIDE TO THE ANNULUS. PRESSURE RELIEF ADJUSTMENTS ARE SHOWN IN IMAGED TO THE SIDE CIRCLED IN GREEN.
2. 2. WIND OUT TO DECREASE PRESSURE IN POWERPACK. ADJUSTMENT SHOULD ONLY BE CARRIED OUT WHEN ABSOLUTELY NECESSARY. DECREASING PRESSURE REDUCES THE MAX WORKING LOAD OF THE LIFT.

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Approved By	Approval Date	Item Type	
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DIMENSION	MACHINED	FABRICATED	Drawing Type
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OVER 6 UP TO 30	± 0.2	± 1.0	Scale on A3 1 : 12
OVER 30 UP TO 120	± 0.3	± 1.5	
OVER 120 UP TO 400	± 0.5	± 2.5	Design State
OVER 400 UP TO 1000	± 0.8	± 4.0	
OVER 1000 UP TO 2000	± 1.2	± 6.0	
OVER 2000 UP TO 4000	± 2.0	± 8.0	Projection
ANGULAR	± 0.15°	± 1.0°	

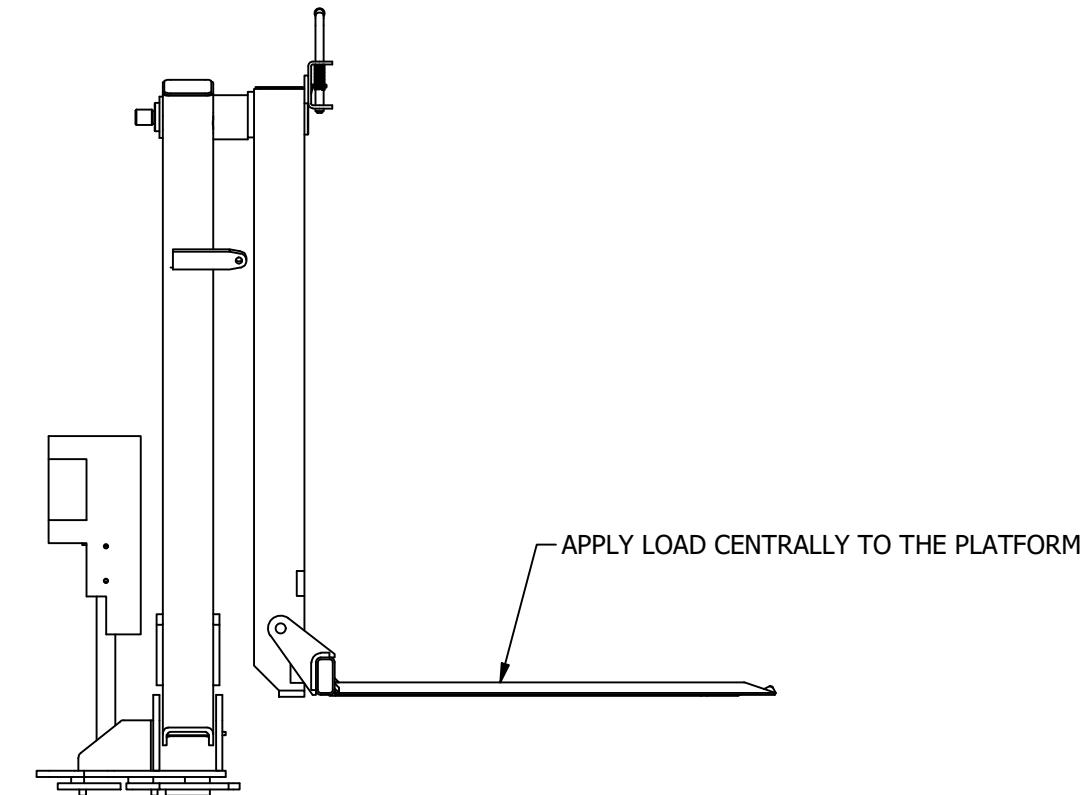
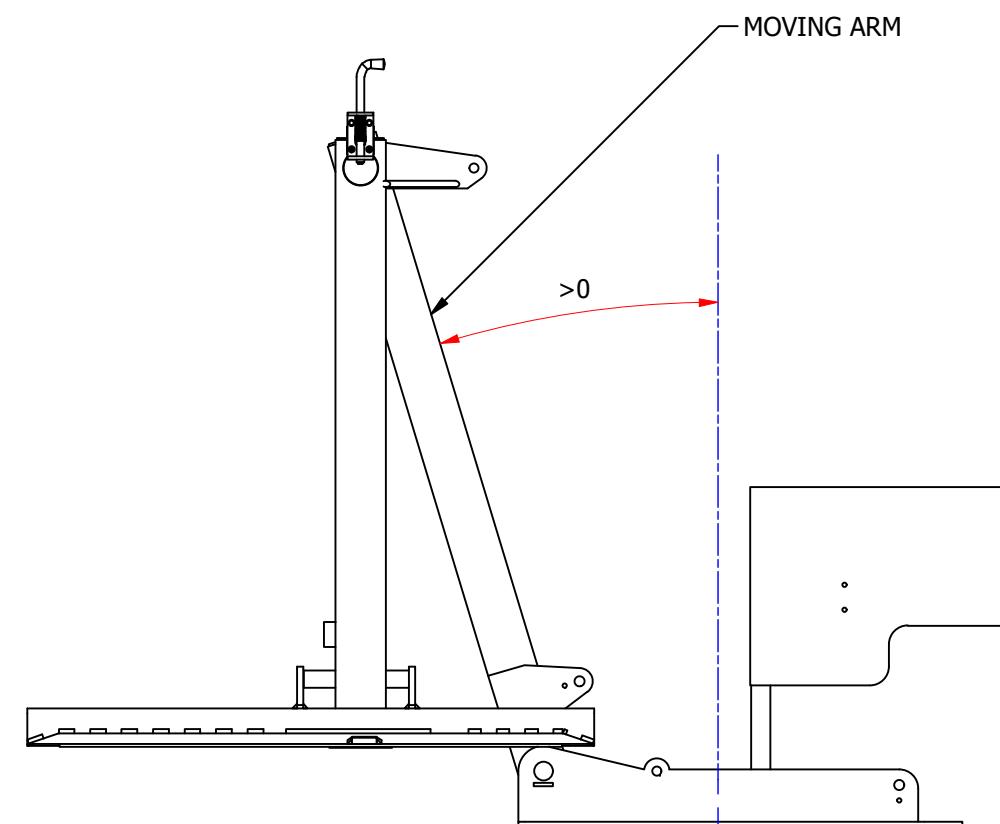
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INSTALLATION TESTING PROCEDURE

LOAD TESTING SHOULD ONLY BE CARRIED OUT BY COMPETENT PERSONS.

1. CORDON OFF AN AREA FOR TESTING.
2. PERFORM A THOROUGH EXAMINATION OF THE INSTALLATION AND LIFT.
3. INCREMENTALLY FUNCTION TEST THE LIFT UP TO AND INCLUDING THE MAX WORKING LOAD OF THE LIFT.
4. WITH THE MWL OF THE LIFT ON THE PLATFORM, OPERATE THE LIFT OUT THE VEHICLE. AFTER THE MOVING ARM HAS TRAVELED PAST IT'S VERTICAL POSITION AND HAS AN ANGLE GREATER THAN 0. APPLY 25% OF THE MWL OF THE LIFT INCREMENTALLY.
5. CHECK THE INSTALLATION WHILST APPLYING THE WEIGHT.
6. ONCE THERE IS 125% OF THE MWL OF THE LIFT ON THE PLATFORM. LOWER THE LIFT TO THE GROUND OUTSIDE THE VEHICLE.
7. ATTEMPT TO RAISE THE LOAD, THE PRESSURE RELIEF SHOULD PREVENT THIS. IF NOT ADJUSTMENT SHOULD BE CARRIED OUT TO SET THE LIFT TO THE ORIGINAL MWL.
8. REMOVE ALL WEIGHT.

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OVER 2000 UP TO 4000	± 2.0	± 8.0	Projection
ANGULAR	± 0.15°	± 1.0°	

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