

STATUS	Final / On Hire		Off-Hire		Stock Transfer		Thorough Examination		Job sheet	DATE
PLANT NUMBER	DESCRIPTION / TYPE: SG80 Block Grab c/w restraint system									

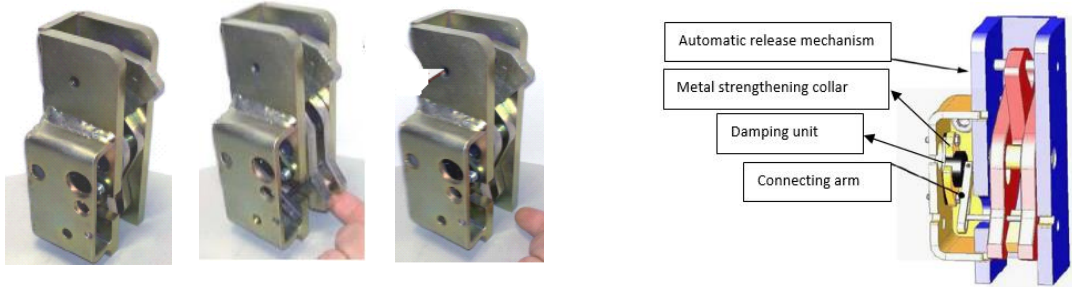
**THESE INSTRUCTIONS SHOULD BE FOLLOWED WHEN CHECKING EQUIPMENT**

- Check the general overall condition and appearance of the equipment including paint finish of the block grab.
- Check all stickers including Plant Return Label MGS24, Keep moving parts lubricated MGS 27, Use hand grippers MGS 28, MARWOOD LOGO MGS 30, Next Exam Due Date MGS 71, Caution over head hazard MGS 79, Crush zone label MGS 80. (Refer to BG on sticker register for complete list)
- Examine main lifting eye for any evidence of wear 10% (Allowable range 18mm to 16.2mm), cracks, stretching or twisting and pitting corrosion.
- Examine main top beam lifting frame, inner H-frames and gripping arms for any evidence of twisting or fractures. Examine all welds for any signs of cracking, paying particular attention to the inside strengthened corners of the main frame. Stressed paint work may be signs of cracking to the metal below the paint.
- Examine the automatic release mechanism for damage, wear, dirt or bent pins. Check that the rotational dampening unit is complete & secure, paying particular attention to the metal strengthening collar and the connecting arm. Ensure the unit operates smoothly, lubricate with light oil where necessary. (REFER TO SECOND PAGE FOR TESTING ROTATIONAL BRAKE)
- The restraint chain system must be inspected for security, wear, or distortion or stretching. Paying particular attention to the security of the clamps and chain ensuring that the chain is still free to move. Examine all parts for excessive wear.
- Check that the number of chain links present is 31 (as per Probst) and inspect for chain defects.
- Check scissor pivot pins and swivel joints for any excessive movement or play, damage or missing components.
- Check height adjusters for any damage or distortion; check the spring bolt for any sign of wear, damage and security. Test operation of both sides for smooth travel. Check rollers and shafts condition for any sign of wear and damage.
- Inspect all gripping rubbers and back plates for damage, security and chemical/oil contamination (care must be taken not to contaminate rubbers during lubrication of moving parts). Return to workshop for further investigation if unsafe to use. Check the bolts and nuts present on both grippers for sign of damage wear and security. Two parts rubber grippers may be fitted.
- Check condition & security of grab handles including all welds. Inspect and check welds of safety net retaining hooks for any sign of wear, distortion and corrosion. Paying special attention for evidence of overloading, examine for small stress cracks. Check and record serial number of safety net. Inspect safety net and bars for damage.
- Ensure that the block grab is both square and parallel, by measuring the distance between the gripping bar backplates opposite and adjacent legs. **See below table.**
- Inspect Plant No and serial numbers are in place, undamaged, clear and legible. Change if necessary
- **Lubricate all relevant parts e.g. scissor pivot pins, height adjuster runners, spring bolt and the automatic release unit which must only be lubricated with oil, do not use grease.**
- **Carry out a full operational test of the block grab**

*Make sure that the distance between the gripping bar backplates at their point of contact with main leg. Not at the rubbers. Use one datum point only. These measurements must be the same on both sides ±8mm. Any variation from this must be referred to a competent person. Grab must not be used to suspend dumpy bags.*

**Equipment which displays evidence of incorrect operation should be withdrawn from service.**

**Testing of Rotation Brake**



- a) Basic position of the rotation brake (before the function test)
- b) Raise the automatic release with one finger and then let it go.
- c) Ensure the unit travels the full required distance, lubricate where necessary.

**Note:** If the rotation brake returns to its basic position in less than 2 seconds, the damping unit must be exchanged.

	OK	R	COMMENTS							
<b>GENERAL APPEARANCE</b>										
All stickers as per note above										
Main lifting Eye			<b>Record diameter of lifting eye (mm)</b>							
Main frame condition & gripping arms										
Automatic release mechanism & rotation damper										
Clamps & chains (restraint system)										
Check all nuts/bolts and screws for security										
Count the number of chain links present and record condition										
Scissor pivot pins										
Height adjusters, Rollers & Shafts										
Gripping rubbers X 2										
Net retaining hooks & Grab handles										
<b>Check safety net &amp; bars and Record Serial Number of safety net</b>										
Distance between gripping bar backplates with main legs			<b>Diagonal</b>			<b>Opposite</b>				
Lubrication of parts as stated above in instructions										
Full Operational Test including Rotation Brake Test										
<b>Plant No (serial No also if present)</b>										

**Equipment should be cleaned and correctly stored after checking**

CHECKED BY:

DATE:

<b>PRINT</b>	<b>SIGN</b>
--------------	-------------