

SEMI-AUTOMATIC TWISTLOCK DUAL FUNCTION, LIFTLOCK CERTIFIED

MODEL 5002-C5AM-DF FORGED HOUSING PAINTED YELLOW (2) (3) (7)(6) 59 MM (5) (8) 2-5/16" UP 34 MM \bigcirc (Ø) 1-11/32 (4) 30 MM C5AM M.S.L. 25 MT L (1) 1-3/16" FORGED S.W.L. 10 MT Ŧ 31 MM X X* 6 O Assembled w/ 4 ea. Cap Screws: 1-7/32" Bolts to be tightened to 26.6 Nm. 52 MM MIN. B.L. TENSION: 500 kN X X* 2-1/32" MIN. B.L. SHEAR: 420 kN MIN. B.L. COMPRESSION: 2,000 kN MAX.SECURING LOAD (MSL): 116 MM 50 MM 25 M. Ton (based on safety factor of 2:1) 4-9/16" 1-31/32" FINISH: HOT-DIP GALVANIZED (HDG) WEIGHT: 7 Kg / 15.4 LBS w/ 8 MM BOLTS 58 MM 2-9/32" * XX = YEAR & MONTH NUMBERS APM #344990 120 MM 4-23/32' SAFETY WLL FACTOR FOR LIFT 5:1 10 M. Ton FOR LASHING 2:1 25 M. Ton MODEL DESCRIPTION WEIGHT ITEM OTY. HOUSING HALF, LEFT 1A 1 5002-C5AM-DF-1/8-1181540 1.8 Kg 3.95 LBS for 8 MM bolts HOUSING HALF, LEFT 1B 5002-C5AM-DF-1/10 (1131112) 2.01 Kg 4.43 LBS 1 for 10 MM bolts HOUSING HALF, RIGHT 5002-C5AM-DF-2/8-1181541 3.95 LBS 2A 1 1.8 Kg for 8 MM bolts (threaded) HOUSING HALF, RIGHT 2B 1 5002-C5AM-DF-2/10 (1131112) 1.95 Kg 4.3 LBS for 10 MM bolts (threaded) 3&6 5002-C5AM-DF-3-6-1120918 STEM w/ TWIST SPRING 2.77 Kg 6.1 LBS 1 5002-C5AM-DF-4-1120921 WIRE HANDLE 0.12 Kg 0.27 LBS 4 1 1 5 5002-C5AM-DF-5-1120917 HANDLE GUIDE 0.11 Kg 0.3 LBS

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COMPRESSION SPRING

CAP SCREW, 8 x 45

CAP SCREW, 10 x 45

0.05 Kg

0.09 Kg

0.12 Kg

0.11 LBS

0.2 LBS

0.26 LBS

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5002-C5AM-DF-7-1120913

5002-C5AM-DF-8-1120912

5002-C5AM-DF-8-9-1198376

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8A

8B

1/29/20



	CGREGO	R	MOD	MODEL 5002-C5AM/DF CAST STEEL HOUSING		
60 M 2-11/3 34 M 1-11/3 30 MM 1-3/16" 1-3/16" 50 M 1-3/20 M 1-31/3 1-20 M 4-23/	32" 1M 32" 1M 4" 1M 4" 1M 4" 58 MM 2-9/32" 4M		Image: Second state of the second s	ON: 500 F R: 420 kN RESSIOI G LOAD (n safety far GALVAN)	n. KN N: 2,000 kN (MSL): ctor of 2:1) ZED (HDG)	
4-23/						
		MODEL	DESCRIPTION	WE	IGHT	
		MODEL 5002-C5AM/DF-1/10	DESCRIPTION HOUSING HALF, LEFT w/ HEX NUT CAVITY	WE 1.48 Kg	IGHT 3.26 LBS	
Ţ	1				1	
IT 1 2	1	5002-C5AM/DF-1/10	HOUSING HALF, LEFT w/ HEX NUT CAVITY	1.48 Kg	3.26 LBS	
IT 1 2	1 2 1 3 & 6 1	5002-C5AM/DF-1/10 5002-C5AM/DF-2/10	HOUSING HALF, LEFT w/ HEX NUT CAVITY HOUSING HALF, RIGHT STEM KIT w/ TWIST SPRING WIRE HANDLE	1.48 Kg 1.37 Kg	3.26 LBS 3.02 LBS	
IT 1 2 3	1 2 1 3 & 6 1 4 1 5 1	5002-C5AM/DF-1/10 5002-C5AM/DF-2/10 5002-C5AM/DF-3/6	HOUSING HALF, LEFT w/ HEX NUT CAVITY HOUSING HALF, RIGHT STEM KIT w/ TWIST SPRING WIRE HANDLE HANDLE GUIDE	1.48 Kg 1.37 Kg 2.77 Kg	3.26 LBS 3.02 LBS 6.1 LBS 0.27 LBS 0.3 LBS	
IT 1 2 3 4 5 7	1 2 1 3 & 6 1 4 1 5 1 7 1	5002-C5AM/DF-1/10 5002-C5AM/DF-2/10 5002-C5AM/DF-3/6 5002-C5AM/DF-4	HOUSING HALF, LEFT w/ HEX NUT CAVITY HOUSING HALF, RIGHT STEM KIT w/ TWIST SPRING WIRE HANDLE HANDLE GUIDE COMPRESSION SPRING	1.48 Kg 1.37 Kg 2.77 Kg 0.12 Kg 0.11 Kg 0.05 Kg	3.26 LBS 3.02 LBS 6.1 LBS 0.27 LBS 0.3 LBS 0.11 LBS	
IT 1 2 3 4 5	1 2 1 3 & 6 1 4 1 5 1 7 1 3 4	5002-C5AM/DF-1/10 5002-C5AM/DF-2/10 5002-C5AM/DF-3/6 5002-C5AM/DF-3/6 5002-C5AM/DF-4 5002-C5AM/DF-5	HOUSING HALF, LEFT w/ HEX NUT CAVITY HOUSING HALF, RIGHT STEM KIT w/ TWIST SPRING WIRE HANDLE HANDLE GUIDE	1.48 Kg 1.37 Kg 2.77 Kg 0.12 Kg 0.11 Kg	3.26 LBS 3.02 LBS 6.1 LBS 0.27 LBS 0.3 LBS	

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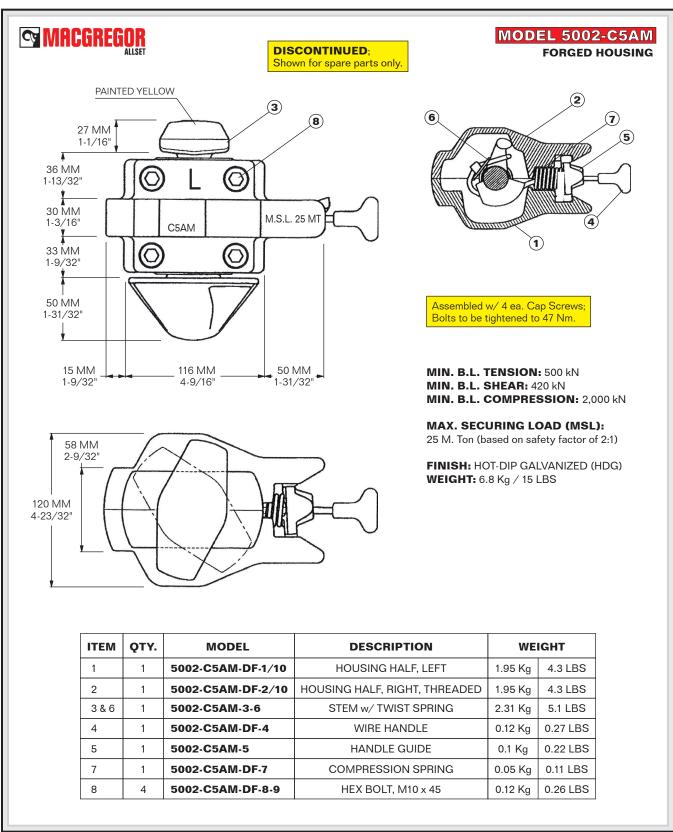
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SEMI-AUTOMATIC TWISTLOCK SINGLE FUNCTION, FOR HATCH COVER

S MA	ICGR	REGOR	T	MODEL 5002-C5AM-HC-1120909 MAERSK TYPE, FORGED HOUSING			
6		PAINTED	52 MM 2-1/32" ORYYMM*O OMT C5AM-HC FORGED O C5AM-HC FORGED O 116 MM 4-9/16" 15	33 MM 1-5/16" 30 MM 1-3/16" 36 MM 1-3/32" 27 MM 1-13/32" 27 MM 1-13/32" 27 MM 1-13/32" Assembled w/ 4 Bolts to be tighted MM /30 MM /31 MM /32" MIN. B.L. TENS MIN. B.L. SHEA MIN. B.L. COM MAX. SECURIN 25 M. Ton (based FINISH: HOT-DI WEIGHT: 7.26 Kg * YYMM = YEAR	Ned to 74 N BION: 500 AR: 420 kN PRESSIC IG LOAD on safety f P GALVAN g / 16 LBS	Im. N N DN: 2,000 kN (MSL): actor of 2:1) IIZED (HDG)	
	ITEM QTY. MODEL		DESCRIPTION	WE	IGHT		
	1	1	5002-C5AM-HC-1-400027347	HOUSING HALF, LEFT, THREADED	2.68 Kg	5.9 LBS	
	2	1	5002-C5AM-HC-2-400027348	HOUSING HALF, RIGHT	2.68 Kg	5.9 LBS	
	3 & 6 1 5002-C5AM-HC-3-6 ST		STEM w/ TWIST SPRING	2.31 Kg	5.1 LBS		
	4 1 5002-C5AM-DF-4		WIRE HANDLE	0.12 Kg	0.27 LBS		
	5 1 5002-C5AM-DF-5		HANDLE GUIDE	0.1 Kg	0.22 LBS		
			COMPRESSION SPRING	0.05 Kg	0.11 LBS		
	8	4	5002-C5AM-DF-8-9-1198376	CAP SCREW, 10 x 45	0.12 Kg	0.26 LBS	

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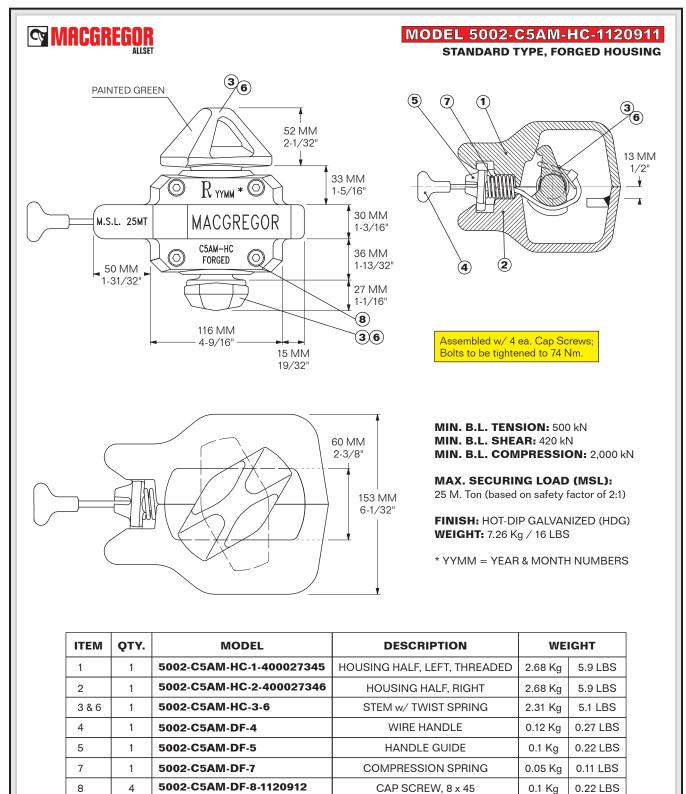
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SEMI-AUTOMATIC TWISTLOCK SINGLE FUNCTION, FOR HATCH COVER



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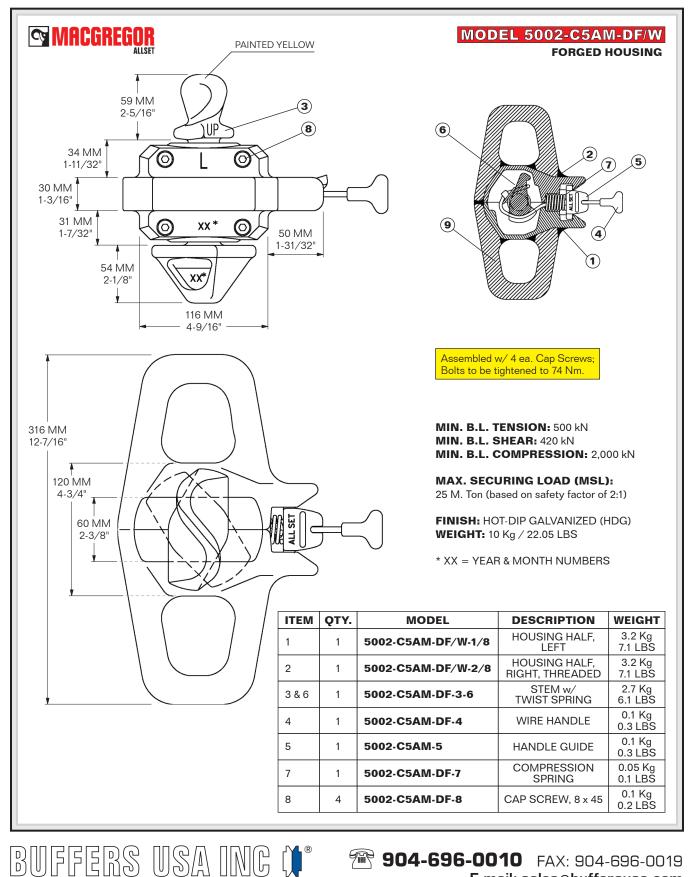
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SEMI-AUTOMATIC TWISTLOCK FOR 102" WIDE CONTAINERS



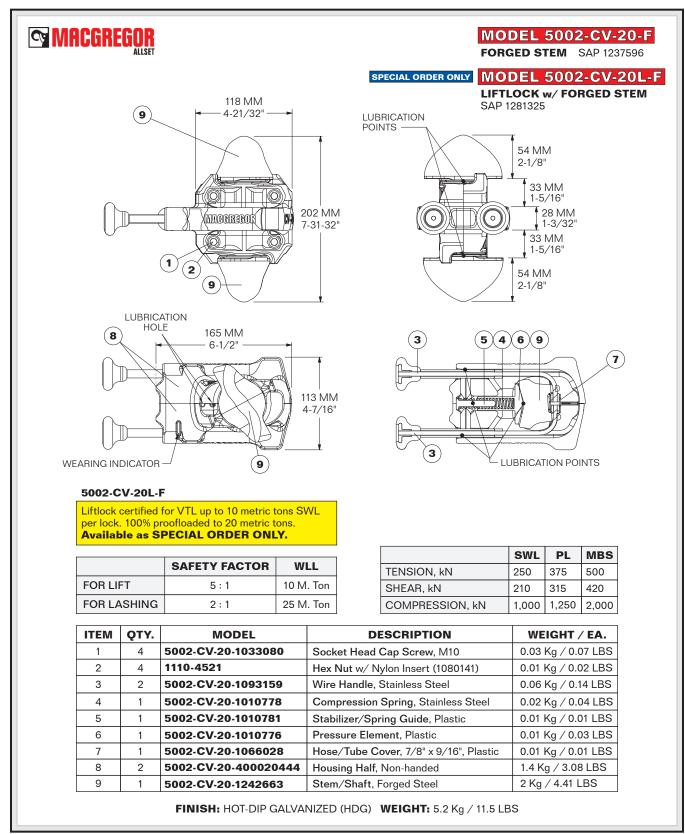
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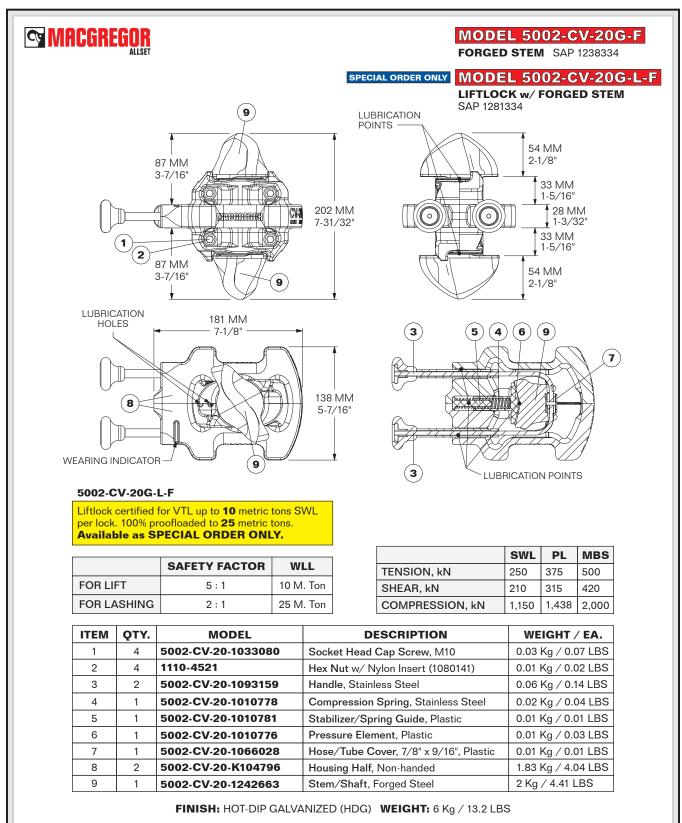




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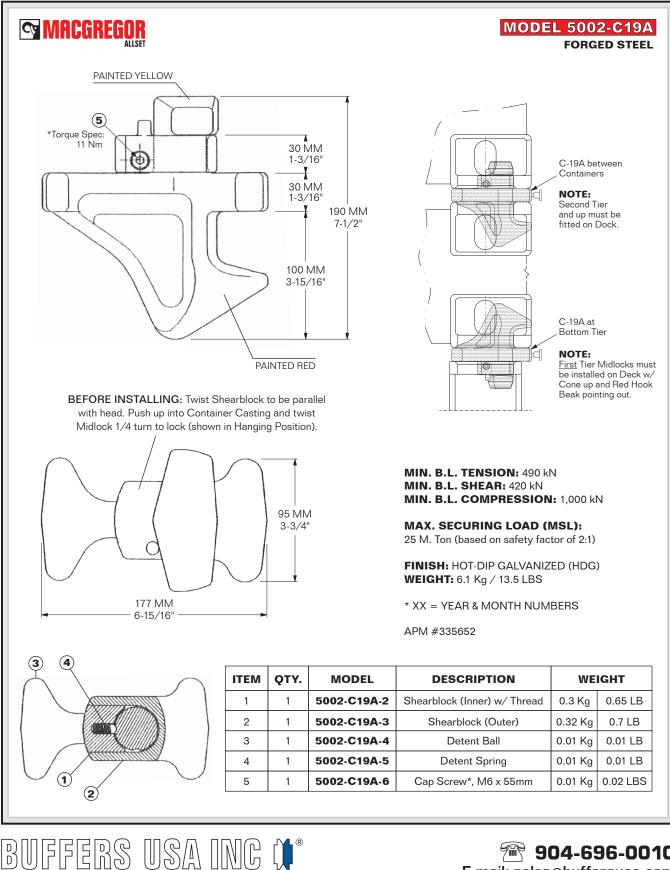
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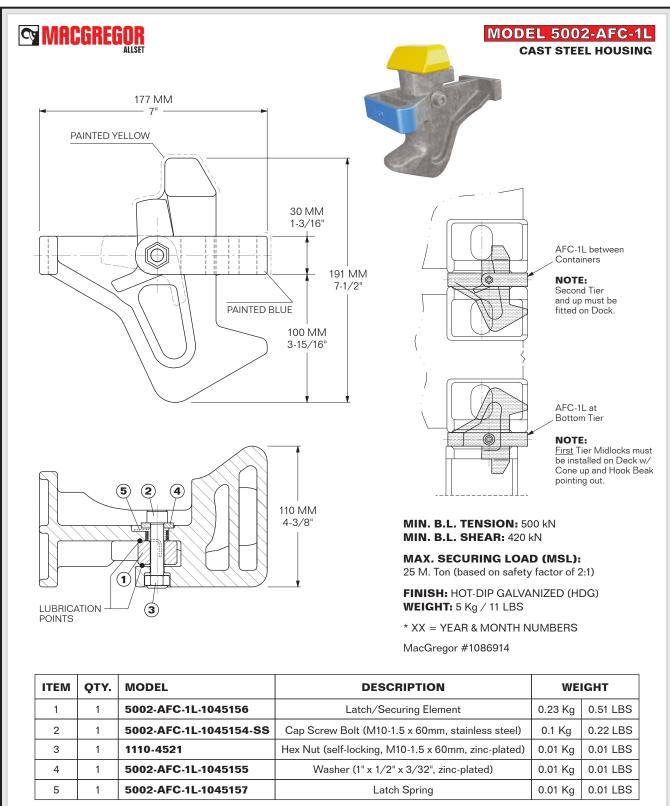
FOR 20' ISO GAP & LASHING GAP ON DECK



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MIDLOCK FOR 20' ISO GAP & LASHING GAP ON DECK



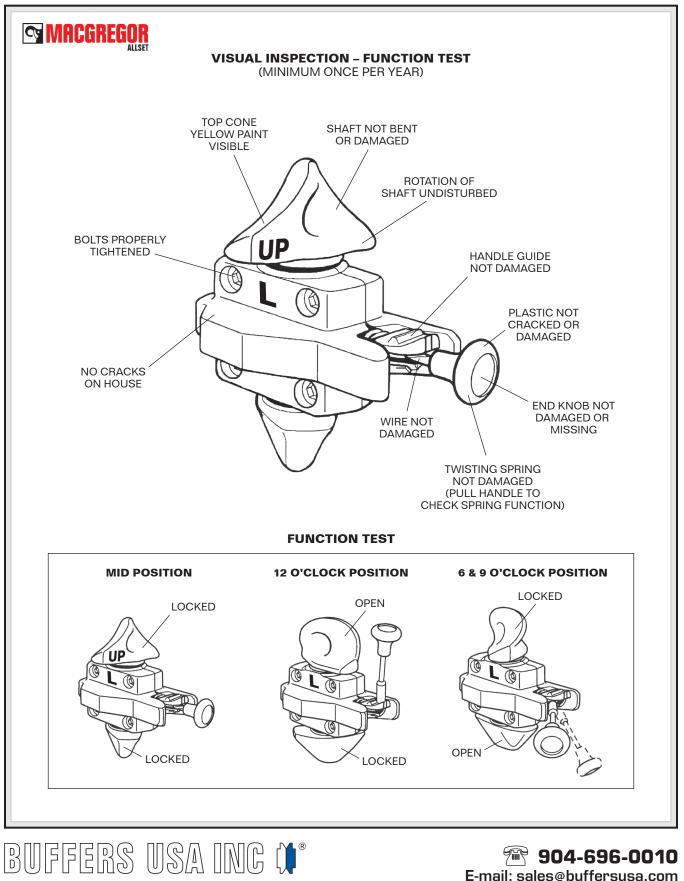
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TWISTLOCK C5AM-DF SERVICE INSTRUCTIONS

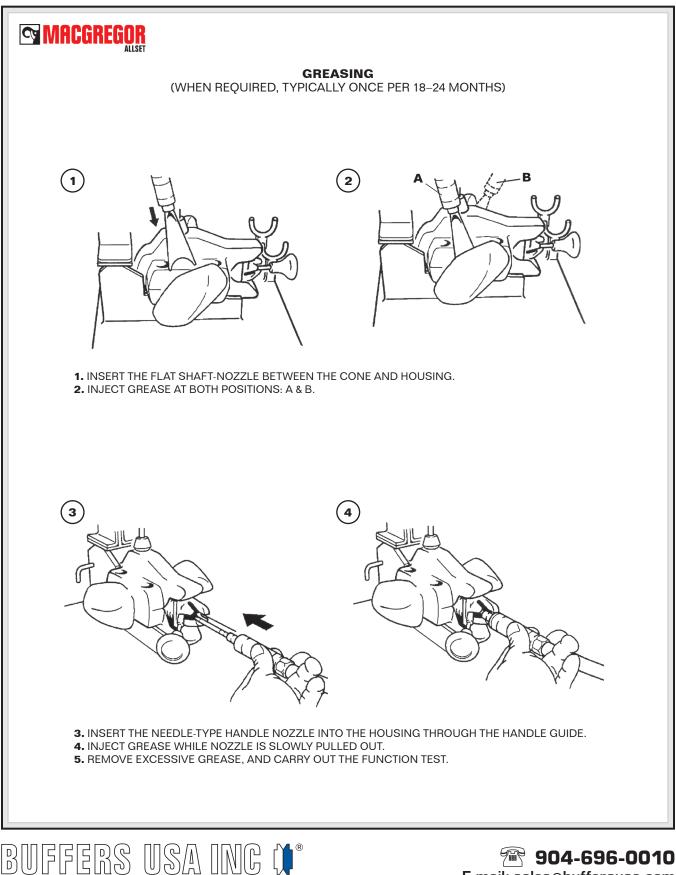


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TWISTLOCK C5AM-DF SERVICE INSTRUCTIONS

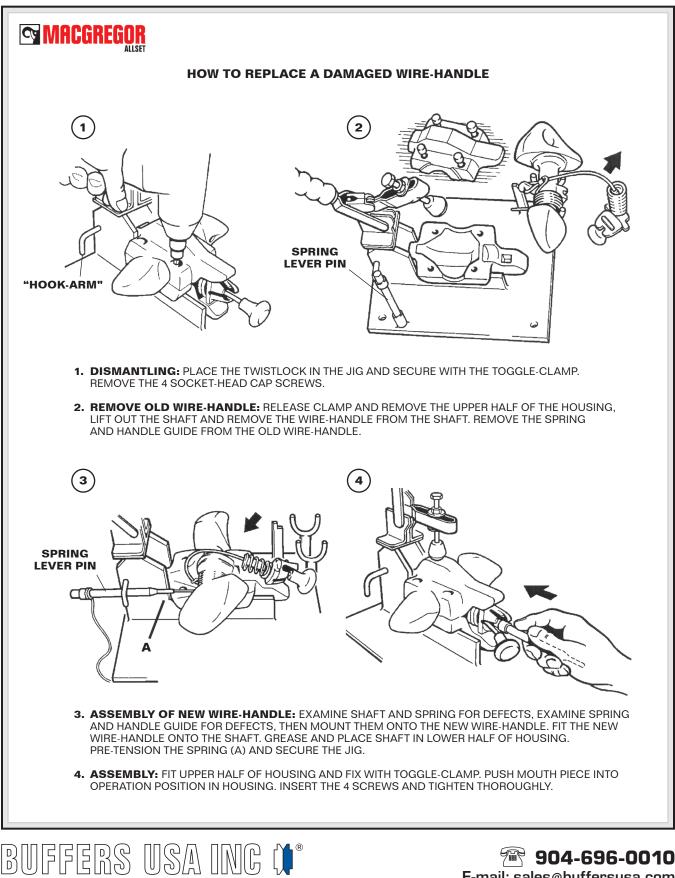


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TWISTLOCK C5AM-DF SERVICE INSTRUCTIONS



5002-13



TWISTLOCK C5AM & C5AM-DF SERVICE INSTRUCTIONS

MT-1 SERVICE JIG USER INSTRUCTIONS

- 1. Place the lock on the side in the slot in the middle of the jig with the handle toward you and the yellow head to the right.
- 2. Close the clamp (adjust pressure with the bolt and nut above the rubberfoot if necessary).
- 3. Loosen the four housing bolts. We recommend using an impact wrench (Model 5003-MT-2) and the 8 MM socket hex bit for 1/2" drive (Model 5003-MT-3).
- 4. Open the clamp. The upper housing half will now "pop up" about 2 inches due to the spring pressure.
- 5. Remove the stem to replace the handle or the entire stem. Remember to fit the handle guide and the compression spring onto the new handle before attaching the handle to the stem.
- 6. The cradle and vertical bar in the right corner on the jig is an assist to get the handle loop onto the stem arm. Put the wire loop (with the wire handle end pointing away from you) at the top of the vertical flat bar with the notch, turn the stem onto the notch and hold it firmly onto the notch with your left hand. Take the handle and pull it with a quick jerk, and the loop will "jump" onto the stem arm over the end knob (the wire handle loop can also be pushed onto the stem arm knob using your two thumbs, but after 50 or so handles, it is tough going!). After attaching the wire handle to the stem, make sure the wire cable is fitted under the hook at the end of the spring to keep the wire in position.
- 7. When re-assembling, grease the bearing areas on the bottom housing half before putting the stem down with the yellow cone to the right, and with the stem arm into the bottom of the housing.
- 8. Take the spring lever pin and push it onto the end of the spring arm about 1/8", bend the spring back and hook the lever pin in under the "hook arm" welded on the side of the jig to hold the "spring-loaded" lever pin in position.
- 9. Grease the stem where the upper housing will make contact (under each stem head).
- 10. Pull the handle toward you, making sure the wire cable is resting in the slot on the stem. Place the handle guide in the lower housing half.
- 11. Place the upper housing half in position on top of the lower housing half with the four bolts already in the holes on the upper half.
- 12. Use a wide screwdriver to push in the upper part of the handle guide into the cavity in the upper housing half, while you at the same time are holding down the upper housing half with your hand.
- 13. While still holding down the upper housing half, place the clamp on top of the upper housing half with the spring lever still inbetween the housing halves.
- 14. Use an impact wrench and lightly spin two diagonally positioned bolts so they take the thread. Do not tighten down. If the bolt holes do not line up, use a hammer to tap the upper housing half to correct position.
- 15. Remove the spring lever from in between the housing halves.
- 16. Turn the other bolts to make sure they take thread and then tighten town on all four bolts to 74 Nm (50ftlb).
- 17. Once all four bolts are tight, loosen the clamp and take out the lock for cycle test. Hold the lock and pull the handle to make sure the stem is moving freely, and that the handle swage can be parked in all positions.
- 18. We also suggest that the yellow cone is repainted.

NOTE: If the arm on the stem is bent or the knob at the end of the stem arm is broken off, it is evident that the stem has been forced backwards. This happens sometimes when the container moves longitudinally at the same instance as the crane drops it onto the locks. The stem must then be scrapped; it cannot be used since the stem arm also regulates the stop positions of the stem.

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