

PRODUCT BULLETIN



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MAXRack Updates

ISSUE DATE:	December 20, 2023	PART NUMBER(S):	N/A
SUBJECT:	MAXRack additions/changes	PRODUCT LINE:	SafeRack
TOPIC:	UPDATES FOR THE MAXRACK SYSTEM		

OVERVIEW

MaxRack powered elevating handrail system is the only elevating safety cage on the market that can be raised and lowered manually if your facility loses power or plant air. The unique counterbalanced cage design coupled with our exclusive dual input gearbox enables smooth operation as well as the ability for the operator to manually raise and lower the cage with ease in the event of a power loss.

Over the past year we have implemented several process updates to help improve MaxRack quality, reliability, and ease of installation. We implemented a design review process to catch design errors before they make their way to production and or customer sites. This has resulted in substantial quality improvements, as we have not had any non-conformances during the last few Factory Acceptance Tests.



ISSUE:

We received customer feedback regarding cages exhibiting a 'walking/rocking movement.' This issue was identified as the driveshaft twisting due to high torque.

SOLUTION:

Replaced the solid drive shaft with a torque tube. Removing the deflection, with less stress to the gearbox and motor.

Torque Tube



ISSUE:

LoveJoy joints were prone to failing prematurely.

SOLUTION:

These were replaced with universal joints. This improved reliability and performance.

Universal Joint



ISSUE:

Form folded style roller boxes caused tracking for the cage to be difficult due to their lack of uniformity.

SOLUTION:

Replaced the form folded style roller boxes with a new bolt together design, eliminating warping.

Roller Box (149100)

