

RECOMMENDED PRACTICES

WORKSTATION CRANES AND PATENTED TRACK SYSTEMS

Because the manufacturer has no direct control over the workstation crane or patented track system and its operation, conformance with good safety practice is the responsibility of the owner, the user and the operating personnel. ANSI/ASME B30.16, ASME B30.11-2004, ANSI MH27.1 and MH27.2 have been used as a guide in preparing this list of SHALL's and SHALL NOT'S. Ask your supervisor for a copy of these specifications and the manufacturer's operation and maintenance instructions. Each recommendation listed below is identified according to ANSI/NEMA Z535.4 with either the signal word CAUTION or WARNING to indicate the degree of seriousness.



Improper operation of a system can create a potentially hazardous situation which, if not avoided, could result in death or serious injury. To avoid such a potentially hazardous situation, **the operator:**

CORRECT DESIGN AND INSTALLATION

1. Shall make sure that workstation crane or the patented track system is installed by a qualified installer, according to the manufacturer's installation instructions, and exactly to the system layout drawings.
2. Shall insure the suitability of the building or freestanding structure to support the system loading.
3. Shall **NOT** use a workstation crane or the patented track system to lift, support, or transport people, unless the system is specifically designed for that purpose.
4. Shall **NOT** operate a workstation crane or the patented track system if it restricts vertical lifting without side pull.

PROPER OPERATION

5. Shall make sure load slings or other approved single attachments are properly sized.
6. Shall **NOT** lift more than rated load for the workstation crane or the patented track system, as specified on the capacity labels and the system design drawings.
7. Shall **NOT** operate unless load is centered under a workstation crane or the patented track system.
8. Shall **NOT** lift or move loads over people.
9. Shall **NOT** leave load supported by the workstation crane or the patented track system unattended unless specific precautions have been taken.
10. Shall be familiar with operating controls, procedures, and warnings.
11. Shall make sure the unit is securely attached to a suitable support before applying load.
12. Shall take up slack carefully - make sure load is balanced and the load holding action is secure before continuing.
13. Shall make sure all persons stay clear of the supported load.
14. Shall make sure end stops or travel limit switches function properly.
15. Shall always warn personnel of an approaching load.
16. Shall be trained in the correct and safe operation of the system.

PROPER INSPECTION AND MAINTENANCE

17. Shall **NOT** use a damaged workstation crane or the patented track system or one that is not working properly.
18. Shall **NOT** use a system that has hoist with twisted, kinked, damaged, or worn wire rope or chain.
19. Shall **NOT** use a workstation crane or the patented track system that has worn trolleys.
20. Shall **NOT** use a workstation crane or the patented track system that has bent or deformed track sections or hangers.
21. Shall **NOT** remove or obscure the rated capacity sign, warnings and labels on a workstation crane or the patented track system.
22. Shall shut down a workstation crane or the patented track system that is not operating properly.
23. Shall report malfunctions or unusual performances of the workstation crane or the patented track system.



Improper operation of a system can create a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. To avoid such a potentially hazardous situation, **the operator:**

CORRECT DESIGN AND INSTALLATION

1. Shall make sure the load is free to move and will clear all obstructions.
2. Shall make sure load travel is in the same direction as shown on controls.
3. Shall **NOT** allow the workstation crane or the patented track system movements to be subjected to interference or contact other systems, structures, or objects through misuse.

PROPER OPERATION

4. Shall maintain a firm footing or be otherwise secured when operating the workstation crane or the patented track system.
5. Shall check brake functions by tensioning the load prior to each lift operation.
6. Shall avoid swinging the load or hook.
7. Shall **NOT** use limit switches and end stops as routine operating stops unless allowed by manufacturer. They are emergency devices only.
8. Shall **NOT** allow your attention to be diverted from operating the workstation crane or the patented track system.

PROPER INSPECTION AND MAINTENANCE

9. Shall inspect the workstation crane or the patented track system according to the manufacturer's recommended intervals, replace damaged or worn parts, and keep appropriate records of maintenance.
10. Shall use the workstation crane or the patented track system manufacturer's recommended parts when repairing the unit.
11. Shall lubricate the system as required by the workstation crane or the patented track system manufacturer's recommendations.
12. Shall **NOT** adjust or repair the workstation crane or the patented track system unless qualified and trained to perform such adjustments or repairs.

NOTICE

Additional requirements

1. Read ANSI/ASME B30.16, B30.11, MH27.1, MH27.2
2. Read the workstation crane or the patented track system manufacturer's Operating and Maintenance Instructions.
3. Read all labels and warnings attached to the system.
4. Have the system layout designed by the manufacturer or a trained representative of the manufacturer.
5. Keep a design file on the system that includes all design drawings, calculations, engineering and technical data and the manufacturers operation and maintenance instructions.
6. Maintain detailed records of inspections, maintenance and operator training.
7. Operators should be authorized, trained and licensed if required by County, State or Federal Governing Authority.

DISCLAIMER

Under no circumstances does the Monorail Manufacturers Association (MMA) or the Material Handling Industry (MHIA) assume any liability for the use of these voluntary recommendations, and no warranty whatsoever is made in connection with them. The recommendations do not take precedence over existing plant safety rules and regulations, OSHA regulations or instructions issued by the workstation crane or patented track manufacturer. It is the user's intent to absolve and protect MMA and MHIA from any and all liability, in tort or otherwise.