

MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

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Installation Instructions For SLR-MAS Air Springs

DATE: 02-12-20

DRAWING NO.

1. Block up base or equipment to operating height as shown on the drawings.
2. Set SLR-MAS air spring mounts under bracket or equipment base with the 1/4" NPT threaded nipple at the bottom facing out. Bolt to the bracket or equipment base.
3. See drawing _____ for the typical layout of the leveling valves. Leveling valve # 1 must be attached to the equipment so the black air supply and exhaust lever is perpendicular to the length of the equipment while leveling valves # 2 & 3 must have the black levers parallel to the length of the equipment (See drawing S-302).
4. Attach the valves to the equipment base with miscellaneous steel as required. Valves must be attached to the floor and equipment base. (See drawing S-302) Install the valves so the black air supply and exhaust lever is 1/4" (6mm) above level when it attaches to the turnbuckles.
5. Install piping as shown on _____.
6. Loosen the restraining nuts on the top of the SLR-MAS mounts approximately 3/8" (10 mm) to allow the unit to rise.
7. Open air and check for leaks.
8. The equipment should have risen 1/4" (6mm) off the blocking. If not, increase the length of the turnbuckle on the leveling mount connected to that mount. Remove the steel spacers on each mount, once the upper section of the SLR-MAS mount is floating.
9. Check the equipment for level and adjust as required by turning the turnbuckles. Increasing the length of the turnbuckles raises the equipment, and decreasing the length lowers the equipment.
10. After the equipment is level, turn down the locknut on the turnbuckle to hold the adjustment.
11. Readjust the restraining nuts on the top of the mounts, leaving 1/4" (6mm) gap to allow for movement.

DWN:

CHKD:

DATE:



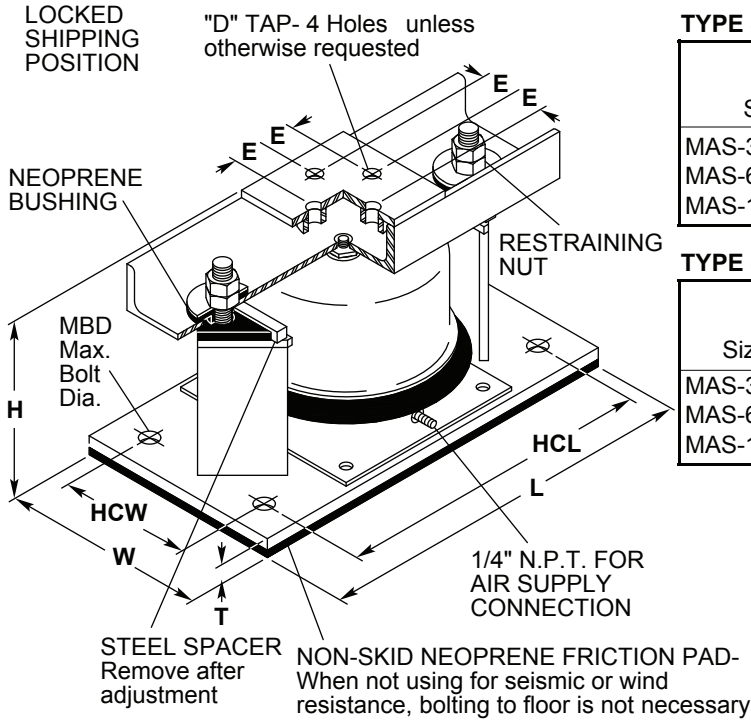
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JOB NAME _____
 CUSTOMER _____
 CUSTOMER P.O. _____
 MASON M.I. _____
 DWG. NO. _____

SLR-MAS

ROLLING LOBE
 AIR SPRING
 MOUNTS



TYPE SLR-MAS RATINGS

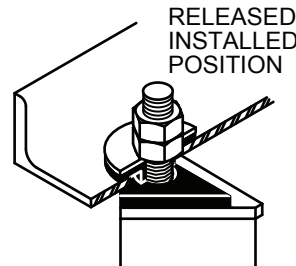
Size	Min Load @ 10 psi (lbs)	Max Recommended Load @ 80 psi (lbs)	Max Load @ 100 psi (lbs)	Approximate Frequency CPM Hertz
MAS-3000	300	2400	3000	84 1.4
MAS-6800	680	5440	6800	84 1.4
MAS-12000	1200	9600	12000	78 1.3

TYPE SLR-MAS METRIC RATINGS

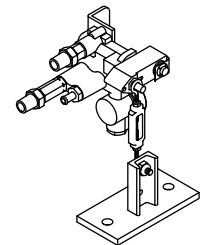
Size	Min Load @ 0.7 kg/cm ² (kg)	Max recom -mended Load @ 5.6 kg/cm ² (kg)	Max Load @ 7 kg/cm ² (kg)	Approximate Frequency CPM Hertz
MAS-3000	136	1088	1360	84 1.4
MAS-6800	309	2472	3090	84 1.4
MAS-12000	545	4360	5455	78 1.3

NOTE: Air Springs should be selected for 80% of maximum capacity to allow for errors in published weights or weight distribution.

CAUTION: Never inflate Air Springs prior to installation.



See Certification Sheet S-302 for additional information



All Air Spring Systems must be installed with Leveling Valves and Air Supply Systems.

TYPE SLR-MAS DIMENSIONS (inches)

Size	D	E	H	L	T	W	HCL	HCW	MBD
SLR-MAS-3000	3/4	1 3/8	11 1/4	13	3/8	7	11	4 1/4	5/8
SLR-MAS-6800	3/4	1 3/8	11 1/4	17	1/2	10	15	7	5/8
SLR-MAS-12000	3/4	1 3/8	11 1/4	21 3/4	1/2	14	18 3/4	7	5/8

TYPE SLR-MAS DIMENSIONS (mm)

Size	D	E	H	L	T	W	HCL	HCW	MBD
SLR-MAS-3000	19	35	286	330	10	178	280	114	16
SLR-MAS-6800	19	35	286	432	13	254	380	178	16
SLR-MAS-12000	19	35	286	552	13	355	476	178	16

PLAN VIEW OF MOUNT LOCATION:

TAG : _____
 UNIT : _____



1 :	6 :
2 :	7 :
3 :	8 :
4 :	9 :
5 :	10 :
Sets Required:	



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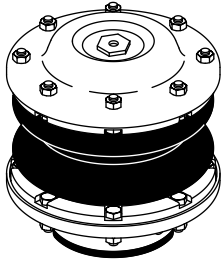
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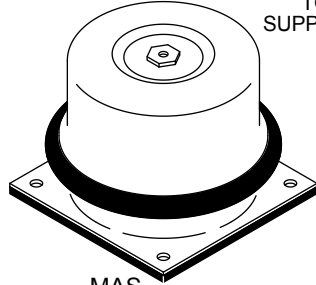
LEVELING VALVE

AIR SPRING ASSEMBLY

Air Springs must be installed with Leveling Valves and Air Supply Systems.

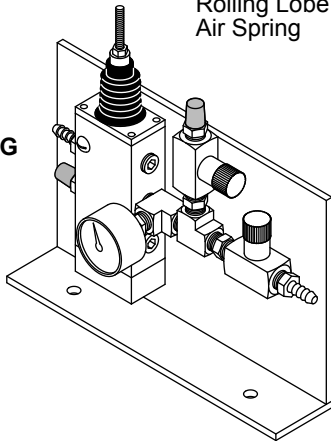


MT
Twin Sphere
Air Spring



MAS
Rolling Lobe
Air Spring

**MICRO
LEVELING
SYSTEM
VALVE**



TO AIR SPRING
SUPPLY & EXHAUST
CONNECTION
1/4" NPT

AIR SUPPLY
(BY OTHERS)
100 psi (7 kg/cm²)

EXHAUST TO
ATMOSPHERE

EQUIPMENT
MOUNTING
BRACKET

AIR SUPPLY
AND EXHAUST
LEVER
(neutral
when level)

CL OF ROTARY
VALVE
MECHANISM

SELF
LOCKING
NUT

LENGTHEN BUCKLE
TO INCREASE HEIGHT.
ACCURACY ±1/8" (3mm)

If equipment loses elevation by
1/8" (3mm), Valve supplies air.

If equipment lifts 1/8" (3mm),
Valve exhausts air.

SELF
LOCKING
NUT

FLOOR
MOUNTING
PLATE

See Cert Sheets S-300, S-301, S-303
S-278 & S-279 For Additional Information

