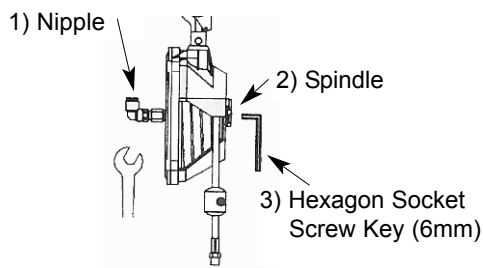
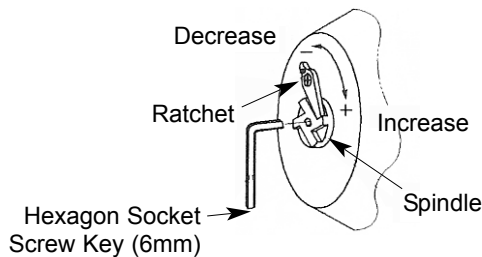


MH Hose Reel Balancer Operation Instructions

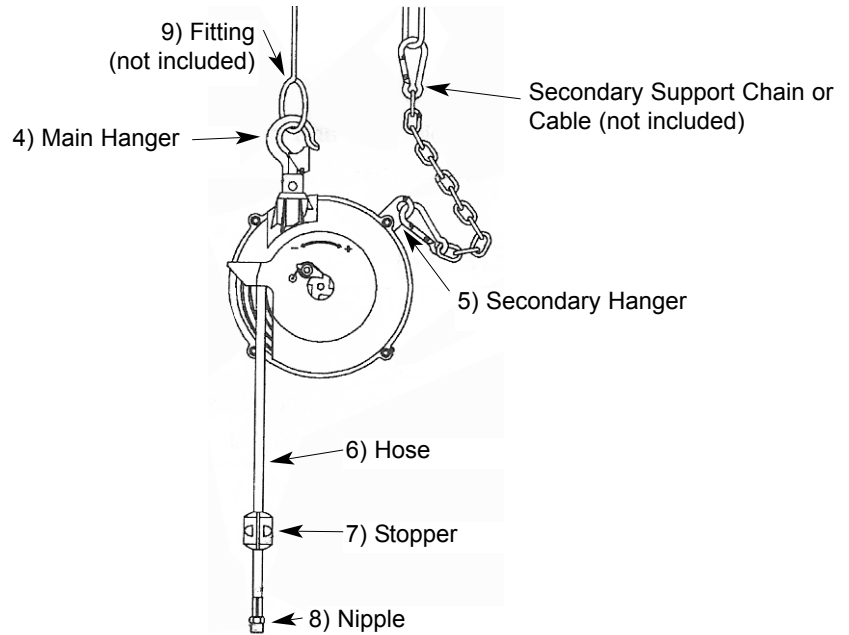
Rev 1.0



Drawing 1



Drawing 2



Drawing 3

Mounting

1. Attach the (1) Nipple to the balancer. Connect the air supply hose to the (1) Nipple. Leave some slack in the hose to allow the balancer to rotate freely. Prepare a (9) Fitting that can support at least 10 times the maximum capacity of the balancer. The fitting must have no opening as shown in drawing 3 to prevent the balancer from disengaging when it swings.
2. Both the (4) Main Hanger and the (5) Secondary Hanger should be used together to hold the balancer securely. The Main Hanger should be attached to the (9) Fitting. Then a security chain, wire, etc. should be connected to the Secondary Hanger. The secondary support chain should support at least 10 times the maximum capacity of the balancer. Leave some slack in the hose to allow the balancer to rotate freely. The slack in the secondary chain must be suitable length so that the balancer will stop within 4" (100mm) when falling in case of failure of the main hanger or the fitting.
3. Before attaching a tool, check the mass (weight) of the complete tool, including all accessories, is within the capacity range of the balancer.
4. Lift the complete tool/device up to the nipple (8) and attach it. Never pull the hose down to the tool/device.
Note: The suspended tool/device will drop down if the spring tension is not enough. Lower the tool/device slowly by hand.
5. Adjust the spring tension turning the spindle with a hexagon socket screw key.
Turn clockwise for increasing the spring tension (drawing 2).
Turn counterclockwise for decreasing torque (drawing 2).
6. Check the tool/device is balanced.
Note: Over-tensioning could cause damage to the balancer body or the hose.

CAUTION

1. Never pull the hose when unloaded. If the hose is released when extended with no load, it will snap back and cause personal injury.
2. Take care when adjusting the spring tension. A torque is on the spindle and it could move the adjusting tool you are holding. Lock the spindle using the ratchet at every 1/4 turn.
3. If the spring tension is set over the maximum capacity, the balancer can not provide the specified hose travel and the spring life will be shortened. If the spring tension is set under the minimum capacity, the balancing operation will be extremely poor.

MH Hose Reel Balancer Operation Instructions

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Stroke Adjustment

1. Check the hose travel is long enough for the application.
2. If necessary, lower the mounting height of the balancer.

CAUTION

1. Never remove tool/device while the hose is extended.
2. Never stand under the suspended tool/device.
3. Never alter the balancer.
4. Always use within the capacity range of the balancer.
5. Always adjust the spring tension before use.
6. Do not extend the hose past the maximum hose travel.
7. Do not pull the hose at an angle.

Tool Replacement

1. Shut off the air supply and release the pressure in the hose before starting replacement.
2. Lift then remove the suspended tool/device when the hose is fully retracted.
2. Attach a new tool/device.

Inspections

1. Inspect the balancer at least once month.

Items to inspect

- # 1 Fitting - Is there an damage or wear?
- # 2 Main Hangar Latch - Is there any deformation?
- # 3 Main Hangar Swivel - Does it swivel smoothly?
- # 4 Case, Drum, Cover - Is there any wear, damage or cracks?
- # 5 Nipple - Is there any wear or damage?
- # 6 Secondary Support chain or cable - Is there any wear or damage?
- # 7 Secondary Hanger - Is there any wear or damage?
- # 8 Bolts & Nuts - Are bolts or nuts loose?
- # 9 Stopper - Is there any wear or cracks? Move upward during the check.
- # 10 Hose - Is it damaged? Check for damage near the lock tube.

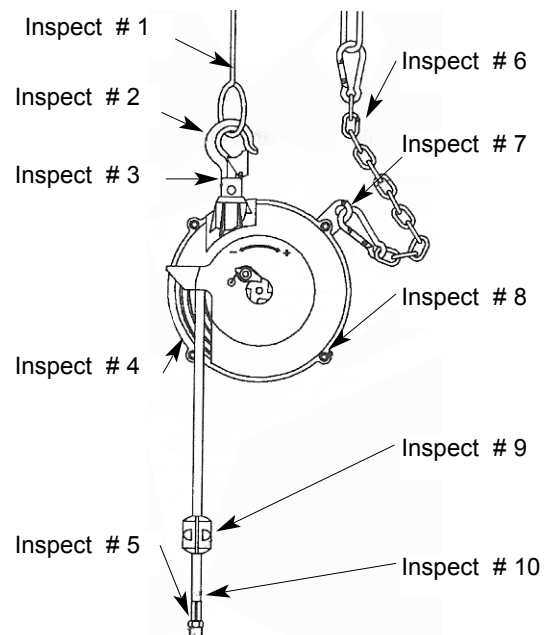
Specifications

Model: MH-3 (Item # 180512)
Weight Capacity: 1.1 - 3.3 lbs.
Stroke: 51 in. (1.3m)

Model: MH-6 (Item # 180513)
Weight Capacity: 2.2 - 6.6 lbs.
Stroke: 51 in. (1.3m)

Model: MH-11 (Item # 180514)
Weight Capacity: 5.5 - 11 lbs.
Stroke: 51 in. (1.3m)

Items to inspect



Mountz Calibration & Repair Services

With over 40 years of experience, Mountz features an experienced calibration and repair staff that delivers rapid service and provides quality that you can trust. Mountz features a new state-of-the-art calibration lab and a repair facility. The Calibration Lab can calibrate up to 20,000 lbf.ft. Our certified technicians can calibrate & repair most any tool and our calibration standards are traceable to NIST (National Institute of Standards and Technology). Mountz factory service provides current upgrades for all digital torque analyzers at time of service.



800-456-1828
Fax: 408-292-2214

sales@etorque.com

www.etorque.com



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