

# mPOWER COMPARISON VS. Jergens Ball Lock

**WIN**

Loss (Moderate or Minimal Importance)

**LOSS of SIGNIFICANT IMPORTANCE**

<b>CHARACTERISTIC</b>	<b>(MSRP) Jergens Ball Lock</b>	<b>(MSRP) Modern mPower SpeedLoc</b>
<b><u>RECEIVERS</u></b>		
Tolerance Required on Receiver Pocket Depth	<b>+0.002"/-0.000"</b>	<b>+0.010"/-0.005"</b>
Tolerance Required on Receiver Pocket Diameter	<b>+0.0005"/-0.0000"</b>	<b>+0.0005"/-0.0000"</b>
Surface Area Consumed for Face Mount Receiver (25mm)	<b>3.34 sq. in.</b>	<b>1.77 sq. in.</b>
Pullout Strength (25mm)	<b>22,500 lbs</b>	<b>&gt;25,000 lbs*</b>
Price (25mm Face Mount)	<b>\$49.75</b>	<b>\$38.18</b>
Backmount Design	<b>Yes</b>	<b>Not Needed</b>
* Receiver Did not Pullout, Locator Bolt Broke.		
<b><u>LOCATORS</u></b>		
Maximum Clampdown Force (25mm)	<b>7,000 lbs.</b>	<b>14,700 lbs.</b>
Self Extracting Capability	<b>No</b>	<b>Yes</b>
Displacement vs. Applied Load when Locator/Shank Torqued per Mfg. Recommendation I (in./100 pounds)	<b>.00085</b>	<b>.00062</b>
Ability to Countersink	<b>No</b>	<b>Yes</b>
Optional Compact Head Design	<b>No</b>	<b>Yes</b>
Number of Parts in Assembly	<b>7</b>	<b>4</b>
Locating	<b>.0005"</b>	<b>.0004"</b>

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Can use with Docking/Hanger System on HMC's	<b>No</b>	<b>Yes</b>
Durability	<b>???</b>	<b>High</b>
Price (25mm)	<b>\$77.22</b>	<b>\$73.16</b>
Fixture Changeover Time	<b>???</b>	<b>2 minutes approx.</b>

**SUMMARY:**

- 1.) Easier (less costly) to install
- 2.) More durable
- 3.) Less expensive to purchase
- 4.) Offers more options
- 5.) Extracts itself
- 6.) Uses less real estate on the fixture plate.
- 7.) Allows greater fixture plate thickness tolerance
- 8.) Greater hold down force
- 9.) Call dock or hang fixture plates in HMC Applications.
- 10.) Can be countsunk flush to fixture plate