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RIM-QB Rev C 11-08

Rotary Indexing Magazines For the QB series air rifles Instruction Manual



Congratulations on your purchase of the **RIM** magazines for your QB rifle. The rotary indexing magazines are designed to be easy to use and trouble free. Rim Magazines turn your QB into a repeater. The magazine hold 8 pellets in .22 and 10 in .177. Once on the rifle the magazine is indexed by hand. A ball detent stops the magazine at the index position loading the pellet into the barrel .Please follow the instructions in this short manual for proper operation and installation of your magazine.

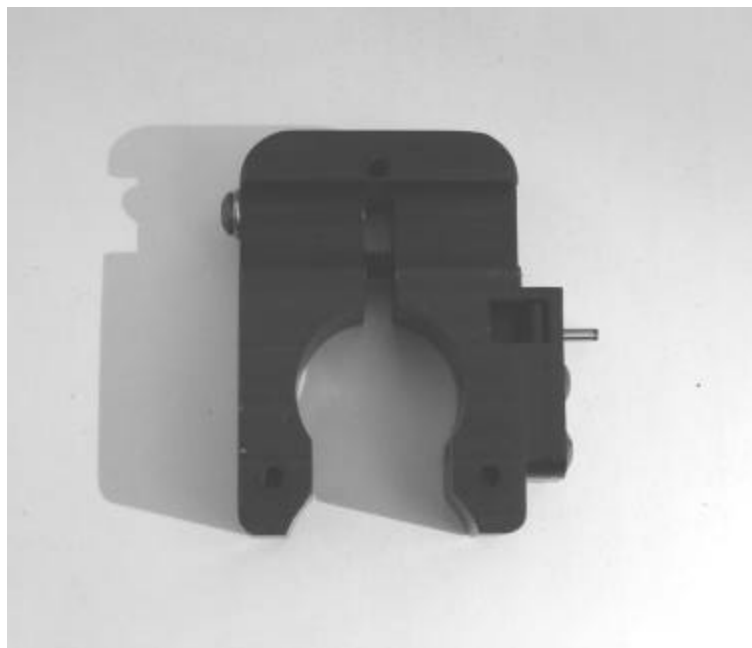
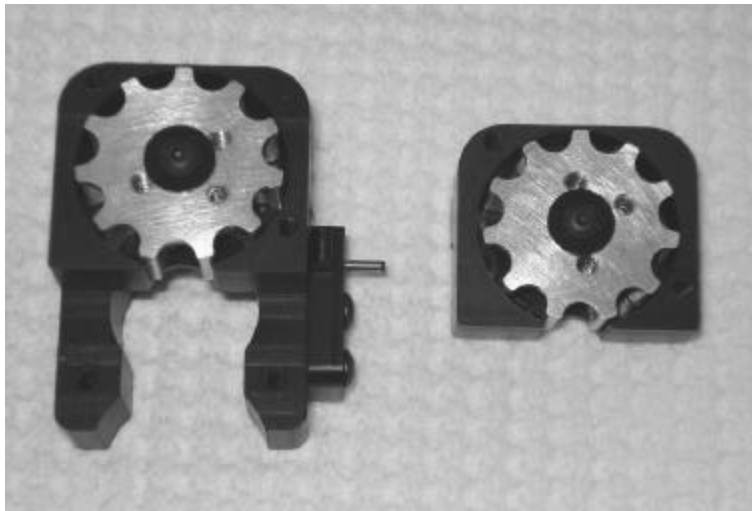
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Parts included

The following parts are included with your magazine kit.

- 1 Anodized aluminum mount
- 1 or more magazines



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Installation requirements.

The RIM-QB magazine can be installed on the following QB rifles

AR2078
AR2079
QB78
QB78D
QB79

Barrel Height

The rifle barrel must be flush with the breech or below in the pellet loading area. If it is not the magazine may not slide easily into the mount. **Do not force the magazine in.** If this is the case, the barrel should be filed, Dremeled or machined flush. If you are not comfortable with this operation send your rifle to a gunsmith. Most stock guns meet this requirement but due to manufacturing variations on this rifle this step may be required.

Bolt probe length

The bolt probe must clear the magazine. This will only be an issue on some tuned rifles. Stock rifle probe length is fine. Typically Melick tuned rifles have very long bolt probes. These can usually be shortened slightly without affecting the rifle. Consult with your tuner if necessary.

Scope Mounts

Your RIM –QB will require the use of high scope mounts. We have had good results with the following mounts and this list is not all inclusive

[Tasco Quick Peeps 799DSC](#)
[Leapers "Accushot" High Profile Mount, Model RGPM-25H4](#)

In general the mounts should be high enough that the scope tube clears the top of the magazine mount. Make sure your scope tube clears the magazine especially where the scope changes shape.

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Installation

Your kit should have been shipped with a magazine in the mount so you can see how it should fit properly in the T- Slot. Familiarize yourself with loading and unloading the magazine on the mount first. Remove the magazine from the mount by sliding the latch pin until the latch clears the magazine then slide the magazine out to the left.

Place the mount open end first over the barrel . Your scope must first be removed from the rifle. The T- slot should be facing the front of the rifle.

Slide the mount over the breech until it is just past flush with the pellet loading area. Tighten the 6-32 clamp screw until the mount is snug. **Do not over tighten or you may strip the threads or break the screw.**

Make sure the bolt is pulled back on your rifle. Install an empty magazine by sliding it in from the right side of the rifle into the mating T- slot on the mount.

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The magazine should slide all the way to the stop on the mount. If it does not don't force it. You may need to move the mount a bit more towards the butt end of the rifle. If so loosen the 6-32 screw and re-adjust the mount on the breech. Try sliding the magazine on again.

If the bottom of the magazine is hitting the barrel due to the barrel not being flush with the breech you will need to file ,grind or Dremel the barrel as mentioned earlier.



Installing Pellets

Turn the magazine upside down with the slot facing upwards. Drop pellets into the empty slots on the carousel. The head of the pellet should face the black plastic of the magazine housing (rear of the magazine) as shown. Index the magazine to the next position and repeat the process filling all but 1 slot in the carousel. The unfilled slot should stay at the bottom opening in the Magazine for carrying and when loading into the mount. This will prevent any pellets in the magazine from coming out.

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Magazine operation

Pull the bolt back on your rifle.

Slide the magazine into the mount from right to left until the magazine stops on the stop screw.

Slide the latch pin towards you to lock the magazine in place.

When empty slide the latch pin away from you and remove the magazine.

Firing

Hold the rifle level.

Index the magazine with your thumb or other finger until the detent stops it and the pellet drops. Remember to hold the rifle relatively level.

Visually inspect the pellet to make sure it has not tipped or been loaded incorrectly.

Slide the bolt forward and shoot.

Pull the bolt back.

Repeat

Pellet Compatability Use and Jamming

Pellet length must be less than 8MM but typically the longer the pellet the better.

Certain shorter round nose and pointed pellets tend to be nose heavy and may want to tip up when loaded just as when loading by hand. It seems certain .177 cal pellets are more prone to tipping or flipping and this caliber seems more sensitive than the .22. Keeping the barrel level will help to eliminate this problem.

Some Tuned rifles have increased bolt probe length. Sometimes so long that the pellet skirt hits the tip of the probe when dropping. This can cause the pellet to tip up when dropping. To eliminate this problem reduce the length of the bolt probe

For some pellets better results may be achieved by controlling or slowing the index action with the thumb to let the pellet carefully drop into the barrel. Practice will make perfect. I find the Crosman field pointed pellets in .177 want to tip up

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and slowing the magazine index seems to help. If a pellet drops and is improperly oriented gently prodding it with the bolt probe will usually set it straight. Checking the pellet after it drops before pushing the bolt forward will insure jam free operation. As you become accustomed to proper magazine operation very rapid firing can be achieved.

As mentioned before make sure the pellet is clear of the bolt probe when it drops or it will flip the pellet more often than not.

Keep the barrel level when indexing.

The magazine can be indexed with either hand to accommodate both right and left handed shooters. Table 1 list some pellets tested and there rating in terms of stability during loading.

Pellet Loading Stability Table 1

<u>Pellet</u>	<u>cal</u>	<u>Rating</u>
RWS Meisterkugeln	.22	Excellent
RWS Superdome	.22	Excellent
Crosman Premier	.22	Good
Crosman Field Point	.22	Good
Gamo Match	.22	Excellent
Gamo Hunter	.22	Excellent
The Peak Round nose	.22	Excellent
RWS Meisterkugeln	.177	Excellent
RWS Superdome	.177	Good/Fair
Crosman Premier	.177	Good
Crosman Premier HP	.177	Good
Crosman Field Point	.177	Fair/poor
Crosman Wadcutter	.177	Excellent

Maintenance

No maintenance is necessary. Do not disassemble or tighten screws on unit. Improper torque may adversely effect operation. For ordering or additional product information be sure to visit us on the web at www.qbmags.com