

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2026-182
Item to be Scouted	BABA: Manual Flush Bolt
Days to be scouted	14
Response Due By	05/13/2026
Description	A manual flush bolt is a piece of door hardware used to secure the inactive leaf of a pair of double doors. It's simple, mechanical, and extremely common in commercial buildings. If you've ever seen one door in a double door set that

## Section 2: Technical Information

Type of supplier being sought	inactive door leaf. When the user slides the bolt up or down by hand, a metal rod projects into the head jamb (top) or floor strike (bottom), locking the door in
Reason	<del>BABA</del>
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Minnesota A manual flush bolt is simple hardware, but its manufacturing requires precise metalworking so the bolt slides smoothly, stays aligned, and withstands repeated use.
Provide dimensions / size / tolerances / performance specifications for the item	This is for a 48-unit Multifamily Apartment. We are looking for typical equipment for this type of application. Project will be a MHFA project. Please refer to section 2.4 Flush Bolts and Dust Proof Strikes and 2.21 Finishes and Base Materials on the attached document for additional information.

<p>List required materials needed to make the product, including materials of product components</p>	<p><b>1. Faceplate &amp; Housing Materials</b>  These parts sit in the door edge and must resist wear, corrosion, and repeated sliding.  - Stainless steel (304 or 430) — most common for commercial hardware  - Brass — used for premium architectural finishes  - Zinc alloy (Zamak) — economical die-cast option  - Cold-rolled steel (CRS) — used when plated finishes are applied  Purpose: Provide a durable, corrosion-resistant surface that stays flush with the door edge.</p> <p><b>2. Bolt Rod &amp; Plunger Materials</b>  The bolt is the primary locking element and must withstand vertical load and impact.  - Hardened steel rod — standard for strength  - Stainless steel rod — for corrosion resistance  - Brass rod — used in decorative or specialty models  - Steel tip or nylon tip — depending on strike type  Purpose: Ensure reliable engagement with the head jamb or floor strike.</p> <p><b>3. Slide Mechanism Materials</b>  These components allow the user to manually extend or retract the bolt.  - Zinc alloy slide — smooth movement, easy to cast  - Brass slide — premium, corrosion-resistant  - Stainless steel slide — heavy-duty commercial use  - Nylon or PTFE washers — reduce friction and noise  Purpose: Provide smooth, low-friction operation over thousands of cycles.</p> <p><b>4. Springs (for fire-rated models)</b>  Fire-rated manual flush bolts require automatic retraction.  - Spring steel — torsion or compression springs  - Phosphor bronze springs — high-cycle, corrosion-resistant  Purpose: Ensure the bolt retracts automatically when the active door opens, per NFPA 80.</p> <p><b>5. Fasteners &amp; Mounting Hardware</b>  Used to secure the flush bolt inside the door.  - Steel or stainless steel screws  - Brass screws (for brass or bronze finishes)  - Threaded inserts (optional, depending on design)  Purpose: Maintain structural integrity and prevent loosening.</p> <p><b>6. Surface Finishes</b>  Architectural hardware must match the building's finish schedule.  - Satin chrome (US26D)  - Polished chrome (US26)  - Satin stainless (US32D)  - Polished stainless (US32)  - Oil-rubbed bronze (US10B)  - Satin brass (US4)  - Black powder coat  - PVD coatings (high-durability decorative finish)  - Electroplating (for zinc or brass components)  Purpose: Provide corrosion resistance and aesthetic consistency.</p> <p><b>7. Protective &amp; Functional Materials</b>  Used to reduce wear, noise, and corrosion.  - PTFE or nylon bushings  - Lithium or silicone grease  - Anti-corrosion coatings  Purpose: Ensure smooth sliding and long service life.</p>
<p>Are there applicable certification requirements?</p>	<p>No</p>
<p>Are there applicable regulations?</p>	<p>No</p>

Are there any other standards, requirements, etc.?	No
Additional Technical Comments	This is for a three-story 48 Unit Multifamily Apartment over a one-story parking garage. MHFA Project.

## Section 4: Business Information

Estimated potential business volume	10
Estimated target price / unit cost information (if unavailable explain)	\$24–\$55 per unit
When is it needed by?	July 2027
Describe packaging requirements	<p>Every flush bolt must be individually protected to prevent finish damage and mechanical wear.</p> <p>Polybag for the bolt body</p> <p>Separate polybag for screws and strike plate</p> <p>Scratch-protection film on plated or painted finishes</p> <p>Foam sleeve or cardboard wrap around the bolt faceplate</p> <p>Tip protector on the bolt rod (plastic cap)</p> <p>Purpose: Prevent scratches, dents, and finish damage during transport and installation.</p>
Where will this item be shipped?	Blaine Minnesota

## Additional Comments

Is there other information you would like to include?	
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