

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2026-183
Item to be Scouted	BABA: Dust Proof Strike
Days to be scouted	14
Response Due By	05/13/2026
Description	A dust proof strike is a small but important piece of door hardware used with flush bolts on double doors. Its job is simple: keep the floor clean, protect the bolt, and create a smooth, professional installation. Even though it's tiny,

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	A dust proof strike is a recessed floor-mounted strike designed to receive the bottom bolt of a manual or automatic flush bolt. Unlike a standard surface strike, it sits flush with the floor, and the internal spring-loaded plunger keeps the cavity closed when the bolt is not engaged.
Describe the manufacturing processes (elaborate to provide as much detail as possible)	A dust proof strike is produced through metal cutting, machining, spring-plunger fabrication, assembly, finishing, and quality testing. The precision of the plunger and housing is what ensures the strike stays clean, operates smoothly, and lasts for years in commercial environments.
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.

List required materials needed to make the product, including materials of product components

#### 1. Faceplate Materials

The faceplate sits flush with the floor and must resist corrosion, foot traffic, and cleaning chemicals.

- Stainless steel (304 or 316) — most common for commercial buildings
- Brass — used for premium architectural finishes
- Bronze — often used in historic or decorative applications
- Zinc alloy (Zamak) — economical option for plated finishes
- Cold-rolled steel (CRS) — used when electroplated

Purpose: Provide a durable, corrosion-resistant, flush-mounted surface.

#### 2. Housing / Body Materials

The internal cavity that holds the plunger and spring.

- Zinc alloy (die-cast) — standard for most commercial strikes
  - Brass — high-end, corrosion-resistant option
  - Stainless steel — heavy-duty or fire-rated models
  - Steel (plated) — economical, strong, but requires corrosion protection
- Purpose: Provide structural strength and protect the internal mechanism.

#### 3. Plunger (Pop-Up Mechanism) Materials

The plunger seals the cavity when the flush bolt is not engaged.

- Stainless steel plunger — corrosion-resistant, smooth operation
- Brass plunger — used in decorative or premium models
- Nylon or acetal (Delrin) tip — reduces noise and friction
- Hardened steel tip — for heavy-duty applications

Purpose: Allow smooth downward movement when the bolt enters and spring-return when released.

#### 4. Spring Materials

The spring returns the plunger to the closed position.

- Spring steel — standard for commercial hardware
  - Phosphor bronze spring — corrosion-resistant, high-cycle life
  - Stainless steel spring — used in wet or corrosive environments
- Purpose: Provide reliable, long-term plunger return force.

#### 5. Fasteners & Mounting Hardware

Used to secure the strike to the floor or threshold.

- Stainless steel screws — preferred for corrosion resistance
- Brass screws — match brass/bronze finishes
- Steel screws (plated) — economical option
- Plastic or metal anchors (optional, depending on substrate)

Purpose: Ensure secure installation in concrete, wood, or metal thresholds.

#### 6. Surface Finishes

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 steel components)

Purpose: Provide corrosion resistance and aesthetic consistency.

#### 7. Protective & Functional Materials

Used to reduce wear, noise, and corrosion.

- PTFE or nylon bushings — reduce friction in the plunger
  - Lithium or silicone grease — lubricates the plunger mechanism
  - Anti-corrosion coatings — zinc plating, passivation, or clear coat
- Purpose: Ensure smooth operation and long service life.

Are there applicable certification requirements?

No

Are there applicable regulations?

No

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)	\$13–\$33 per unit
When is it needed by?	July 2027
Describe packaging requirements	Every dust proof strike must be individually protected to prevent finish damage and contamination. Polybag for the strike body Separate polybag for mounting screws Scratch-protection film on plated or decorative finishes Foam or cardboard wrap around the faceplate Plunger protection cap (optional) to prevent compression during shipping Purpose: Prevent scratches, dents, and spring-plunger deformation.
Where will this item be shipped?	Blaine Minnesota

## Additional Comments

Is there other information you would like to include?	
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