

NON-FREE-FLOW TOOLING

NON-FREE-FLOW APPLICATIONS

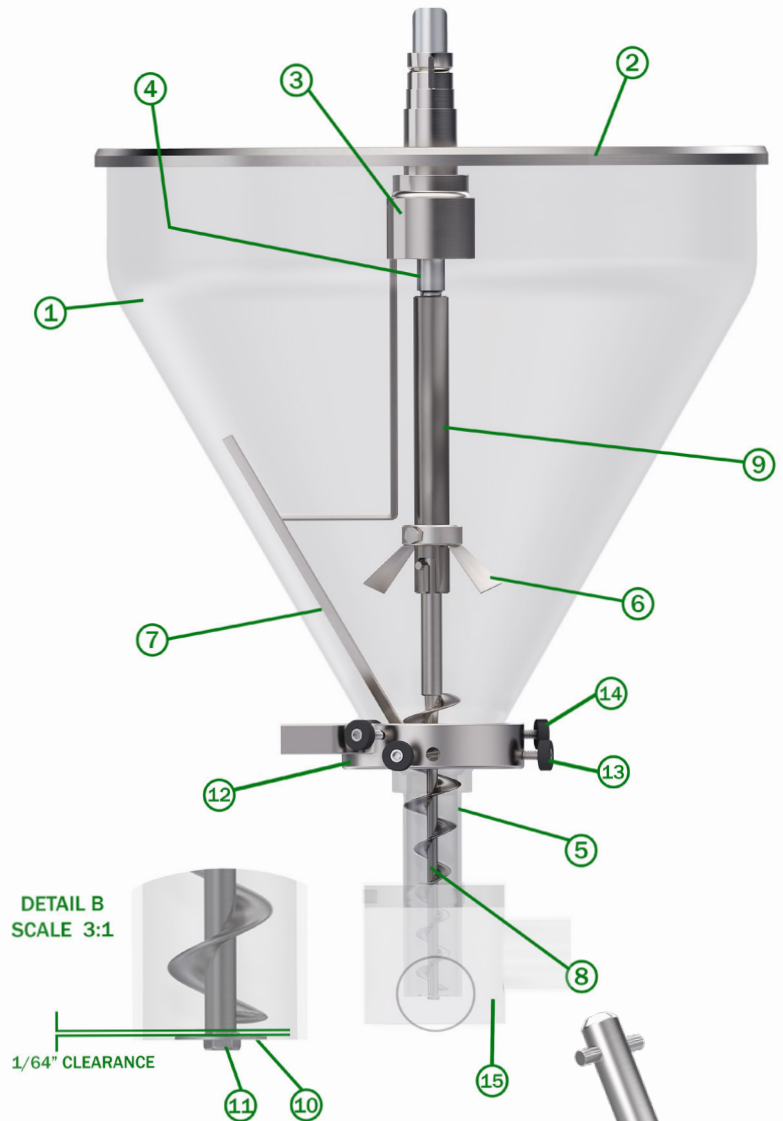
Flour	Cement
Protein Powders	Dental Powder
Ground Coffee	Coco Powder
Cake Mixes	Cosmetics

NON-FREE-FLOW BREAKDOWN

Non-free-flowing materials are substances that do not flow easily or smoothly. These materials tend to have high cohesion and can be challenging to handle and transport. Common examples are flour and powders that tend to clump together.

Self-feeding augers are used for non-free-flow powders. They are commonly used with a slow speed agitator, a high speed “D” agitator blade and a lip funnel. The top portion of a self-feeding auger has over-flight which is designed to grab and compact product evenly, dispensing product accurately. Lip funnels provide additional back pressure so that the product does not drip from the auger. To aid in preventing drip, we would add different restrictors such as drip washers, grid restrictors, monofilament nozzles, or cut off assemblies.

NON-FREE-FLOW PARTS



NON-FREE-FLOW TOOLING KEY

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|-----------------|-----------------------------------|-----------------|
| 1. 22" Hopper | 6. High Speed "D Blade" Agitation | 11. L.H. Screw |
| 2. Hopper Cover | 7. Slow Speed Agitation | 12. Coupling |
| 3. Spindle | 8. Self-Feeding Auger | 13. Lower Knob |
| 4. Drive Shaft | 9. Auger Shaft | 14. Upper Knob |
| 5. Lip Funnel | 10. Drip Washer | 15. Dust Shroud |