



MODEL **GPX.BG** GRAIN GRINDER

**PRECISION DISC-STYLE GRINDER FOR
EXCEPTIONAL GRAIN TESTING & INSPECTION**



The **Model GPX.BG Grain Grinder** is an industrial-grade machine engineered for precise and repeatable particle size reduction— ideal for official grain inspection, mycotoxin testing, and general cereal and grain processing applications.

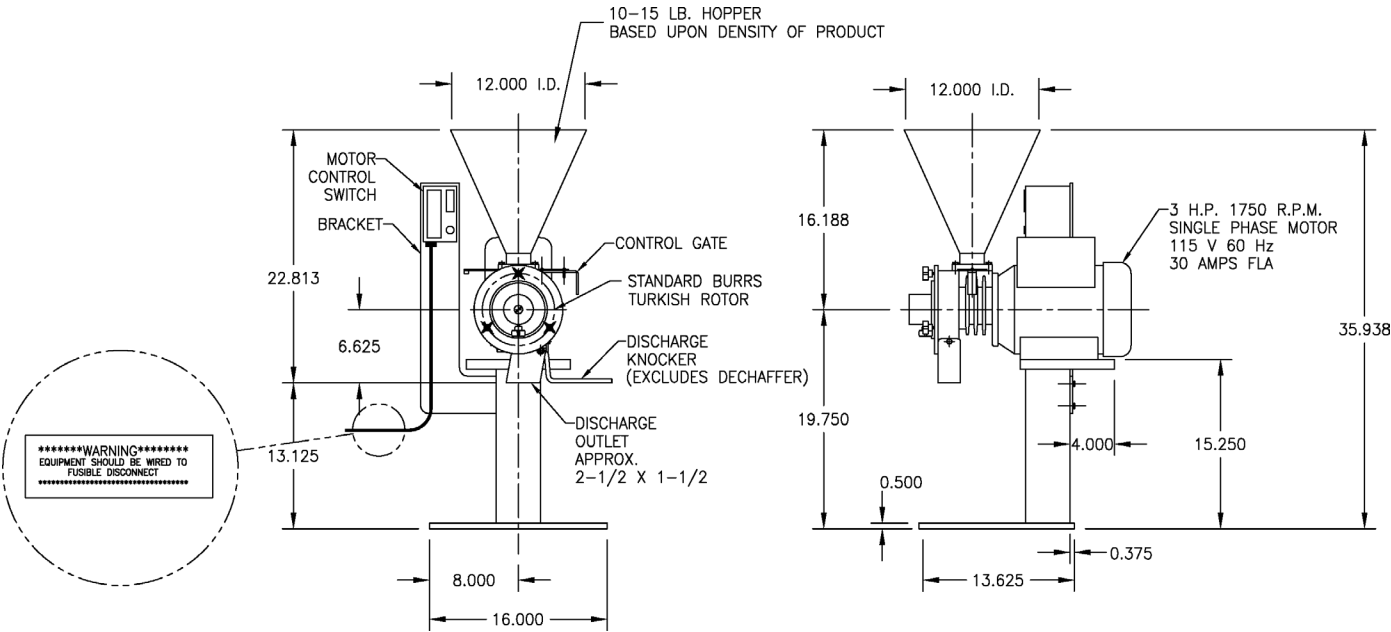
Tested by the USDA's Technology & Science Division, the GPX.BG has been verified as suitable for FGIS-compliant grain and mycotoxin sample preparation, delivering uniform grind quality across a wide moisture and hardness range.

The GPX.BG's design features directly support compliance with each USDA/FGIS requirements for mycotoxin testing in grains:

- **Particle size reduction:** The GPX.BG provides an adjustable grind range, achieving at least 95% passing a No. 30 sieve (600 µm). This far exceeds the 60% through No. 20 sieve that the FGIS requires.
- **High-throughput capacity:** with output up to 250 lb/hr, the GPX.BG not only meets compliance standards but also supports the high sample volumes required in inspection and testing environments— capable of grinding 10 pounds of corn in less than 3 minutes for fast, efficient sample preparation.
- **Verification consistency:** The GPX.BG's dial-controlled adjustments allow operators to fine-tune output, ensuring repeatable sieve results during periodic compliance checks.
- **Cross-contamination prevention:** Its straightforward design facilitates rapid cleaning or purging, aligning with USDA's requirement to eliminate carryover between samples. Includes discharge knocker for fines evacuation.

GPX.BG GRAIN GRINDER DRAWING

APPLICATION — **GRAINS**

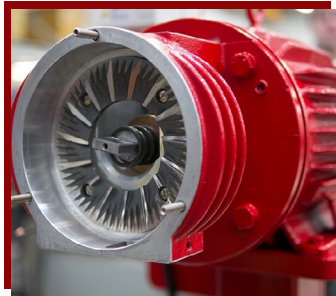


FEATURES & OPTIONS

- **Fast, tool-free cleanout:** The entire grinding chamber can be removed and cleaned in minutes by simply loosening three dial plate knobs.
- **Low-maintenance operation:** With minimal moving parts, the GPX.BG offers reliable performance and easy upkeep.
- **Precision-engineered discs:** Grinding discs are designed to gradually crush and slice material as it's centrifugally passed through, delivering uniform, efficient particle reduction.
- **Durable construction:** Diamond-hard, sharp-tooth discs made from ultra-hard alloys provide long life and consistent performance— even when processing abrasive materials. Discs can be economically re-sharpened for extended use.

SPECIFICATIONS

DISC SIZE:	5.5 inches [140 mm] in diameter (grinding discs can be re-sharpened)
CAPACITY:	Up to 250 lbs/hr [113 kg/hr] (depending on density and final grind size)
GRIND RANGE:	95% passing a No. 30 sieve (600 µm)
APPLICATIONS:	Corn, Wheat, Barley, Millet
ELECTRICAL:	3 HP (2.2 kw) motor 110/1/50/60 or 220/1/50/60
HOPPER SIZE:	10 lbs. (larger sizes available)



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