



Universal Mill

Optional Grinding Elements



Sieve Ring Assemblies
Available with a variety of different size screens and grinding jaws.

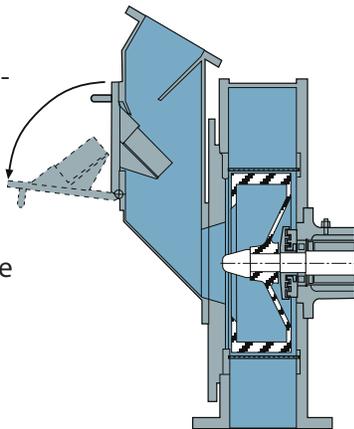


Turbo Rotor
For efficient grinding to a high degree of fineness.

Pin Rotor
For fine grinding of materials with high fat content.

Overview

The versatile Universal Mill from Bauermeister allows maximum grinding flexibility for fine and ultra-fine particle size reduction. With interchangeable grinding elements, the Universal Mill is suitable for the vast majority of soft to medium-hard material grinding applications.



Cross Beater Rotor
For coarse to medium-fine grinding.

Pinned Disc Rotor
For coarse grinding of materials with hard or large particles.

Key Features

- Available in one lab and seven production sizes.
- Grinding ability to the 325 mesh (44 micron) range and below.
- Capacities from 1 lb. to over 30 tons per hour.
- Drive power from 3.0 hp to 200 hp.
- Explosion containment rated up to 10 Bar.
- Constructed of mild steel and stainless steel.
- Cryogenic grinding.

Typical Applications

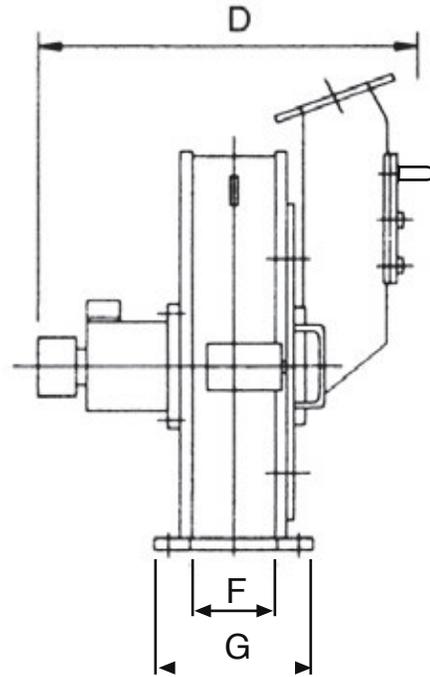
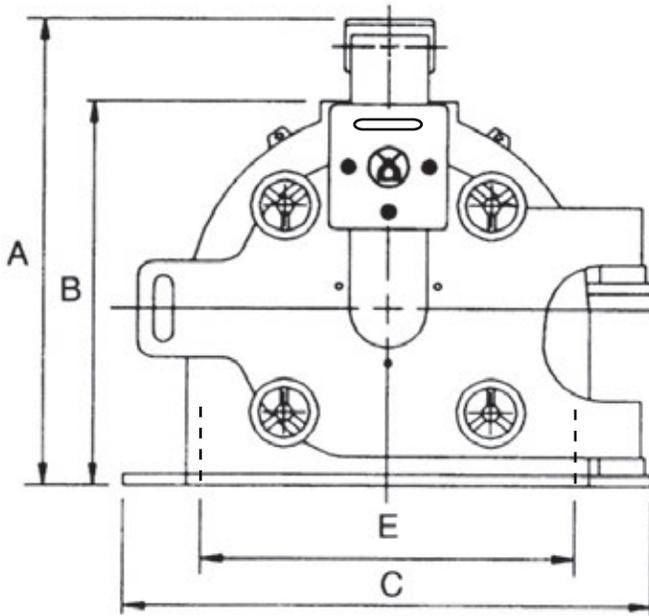
- Borax
- Cosmetics
- Dextrose
- Fertilizers
- Flours
- Gelatin
- Gypsum
- Herbs/Vegetables
- Lactose
- Nutraceuticals
- Pharmaceuticals
- Pigments
- Plastic
- Resins
- Soy Protein & Flour
- Spices
- Starch
- Sugar
- Talc
- Xylitol, Maltitol, Sorbitol



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Specifications



	UM 0.3	UM 1.3	UM 2.3	UM 3.3	UM 4.3	UM 5.3	UM 6.3
Grinding Chamber Diameter (inches)	8 ⁵ / ₈	12 ¹ / ₄	17 ³ / ₄	23 ⁵ / ₈	31 ¹ / ₂	39 ³ / ₈	47 ¹ / ₄
Motor Size From - To (HP)	7.5-15	15-25	25-40	40-60	50-100	75-125	100-200
Max. Mill Shaft Speed (rpm) - Turbo Mill & Pin Mill	10,610	7,490	5,295	3,795	2,920	2,290	1,910
Max. Mill Shaft Speed (rpm) - Cross Beater & Pinned Disk	7,100	5,100	3,650	2,600	2,000	1,530	1,270
Weight (lbs)	290	820	1,370	2,650	3,970	6,400	9,700

Dimensions (in)

	UM 0.3	UM 1.3	UM 2.3	UM 3.3	UM 4.3	UM 5.3	UM 6.3
A	23	32 ⁵ / ₈	41 ¹ / ₂	49 ⁵ / ₈	61 ¹ / ₄	76 ³ / ₈	86 ³ / ₈
B	17 ³ / ₈	26 ⁵ / ₈	34 ¹ / ₄	42 ³ / ₈	52 ³ / ₄	67 ¹ / ₂	76 ¹ / ₈
C	24 ³ / ₈	36 ¹ / ₄	44 ¹ / ₈	53 ¹ / ₈	66 ¹ / ₈	88 ¹ / ₂	98 ³ / ₈
D	21	25 ³ / ₄	31 ¹ / ₂	36 ¹ / ₄	45	57 ¹ / ₂	72 ¹ / ₂
E	18 ¹ / ₈	27 ³ / ₈	35	43 ³ / ₈	54 ³ / ₄	69 ¹ / ₂	78 ³ / ₈
F	4 ¹ / ₈	5 ³ / ₄	7 ³ / ₈	7 ¹ / ₂	9	10 ¹ / ₈	17 ³ / ₄
G	8 ⁷ / ₈	10 ⁵ / ₈	13 ³ / ₄	15 ³ / ₄	19 ⁵ / ₈	21 ⁵ / ₈	30

