

## BM-0 Mini Ball Mill

The stainless steel BM-0 Mini Ball Mill is used to prepare small samples for analysis of material and for grinding of solid and crystalline substances. The BM-0 Mini Ball Mill is also suitable for size reduction in both; dry and wet operation; for solids as well as for slurries.



BM-0 attached by UGD to UAM

### Construction and Components

The cover of the drum is fixed by a knurled screw and a support set, which forces it against a rubber gasket creating thus an air-tight sealing mechanism. 20mm and 25mm stainless steel balls are in the delivery scope. Milling balls of max. diameter of 50mm, from L316 stainless steel or porcelain can also be optionally ordered.

### Attached via UGD

The BM-0 Mini Ball Mill has to be attached to the UAM Universal Motor Drive via the UGD Universal Gear Drive. All contact parts of the milling drum as well as the milling balls are made of GMP compliant materials and can be sterilized in accordance with GMP.



## Advantages

- » Versatile application in grinding, mixing & analysis
- » Good solution for R&D and analysis
- » Corrosion resistant, medical & food grade contact parts

## Features

- » Used for dry or wet grinding
- » Compact
- » GMP compliant

## Standard Scope of Supply

The BM-0 (part. no. 40-01160) comes with the following standard scope of supply:

- » L316 SS Milling Balls 20xPc. Ø 20mm (part. no. 426-1161)
- » L316 SS Milling Balls 10xPc. Ø 25mm (part. no. 426-1160).

## Options

- » Available optional milling balls size: Ø 10 – 50mm
- » Available optional milling balls material: L316 stainless steel or porcelain

## Application Specifications

| Parameter                    | Specification   |
|------------------------------|---|
| <b>Operation principle</b>   | Tumbling milling  |
| <b>Process range</b>         | <ul style="list-style-type: none"> <li>» Dry milling (solid/solid)</li> <li>» Wet milling &amp; mixing (solid/liquid)</li> </ul>  |
| <b>Feed characteristics</b>  | <ul style="list-style-type: none"> <li>» Solid particles, crystalline particles, powders, pellets, slugs, tabs, tablets</li> <li>» Slurries and wetted powders</li> </ul> |
| <b>Range of applications</b> | Pharmaceutical, herbal & alternative medicine, chemicals & fine chemicals, food, agriculture, cement & ceramics, cosmetics and detergents, paints & pigments              |

## Technical Specifications

| Parameter                                     | Specification  |
|---|--|
| <b>Total capacity</b>                         | 5.0 l  |
| <b>Operation capacity</b>                     | Up to 2 l<br>Depends on feed properties, instrument and process parameters |
| <b>Rotation speed</b>                         | 5-45 rpm   |
| <b>Instrument dimensions</b>                  | Approx. 195 x 275 x 195 mm (width x depth x height)                        |
| <b>Packaging dimensions</b>                   | Approx. 410 x 410 x 410 mm (width x depth x height)                        |
| <b>Net / Gross weight with standard balls</b> | Approx. 21 / 23 kg   |

We reserve the right to make technical changes without any prior notice.