



# HOSOKAWA MICRON Hammer Mill

High Speed, Heavy Duty, Rugged Construction



## Features

- Suitable for almost all kinds of materials.
- Simple thus rigid construction.
- Large Capacity
- Easy Size Control
- Choice of Different Hammer Types
- Wear parts are replaceable.

## General

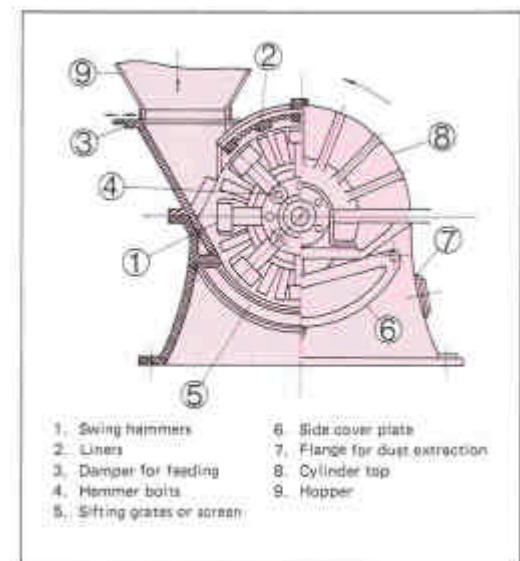
Grinds 40-80mm or sheet form material to a few mm , or meshes by impact of swing hammers.

Widely used in mineral, chemical industries as coarse / medium grinding machines. Hammer Breaker is for taking large feed sizes.

## Construction

Grinding rotor is enclosed in hardy housing. Hammer is loose-hanged to rotor. In the casing, liners are placed for wear protection and effective grinding.

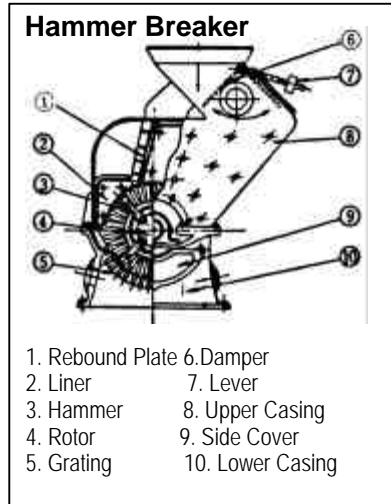
Material fed from hopper is ground by hammer. Size reduced particles will pass through size control screen or grates. Screen/grates can be replaced by opening a side cover.



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## Performance Examples

| Feed             | Model | Motor [kW] | Capa. [kg/h] | Feed size     | Product size   |
|------------------|-------|------------|--------------|---------------|----------------|
| Sludge Clinker   | H-12  | 3.7        | ~ 250        | max. 80 mm    | Below 3 ~ 5 mm |
| Limestone        | H-18  | 11         | 4,000        | 30 – 50 mm    | - 3mm          |
| Activated Carbon | H-15  | 5.5        | 40           | Sheets        | 3 ~ 5 mm       |
| Epoxy Resin      | H-15  | 5.5        | 400          | 50×50 mm      | +1.4 mm 30%    |
| Wood Chips       | H-18  | 11         | 300          | 15×475×40 mm  | Below 20 mm    |
| Phenolic Resin   | H-18  | 7.5        |              | 100 mm        | Below few mm   |
| Calcined Flux    | H-18  | 7.5        | 1,500        | 1.4 ~ few mm  | Below 1.4 mm   |
| Bottom Ash       | H-18  | 11         | 1,800        | max. 30 mm    | Below 5 mm     |
| Ice              | HB-12 | 3.7        | 200          |               | Below 2 ~ 3 mm |
| Titanium Lump    | HB-12 | 3.7        | ~ 200        | max. 50×50 mm |                |
| Dyestuff         | HB-18 | 11         | 2,000        | Aqglomerates  | Disintegration |



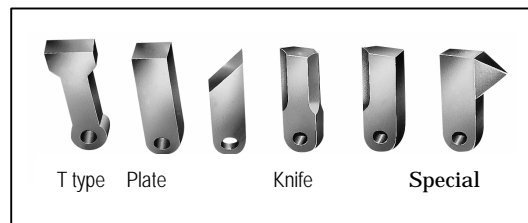
### Hammer Type

T type : For hard materials

Plate type : For medium hard materials.

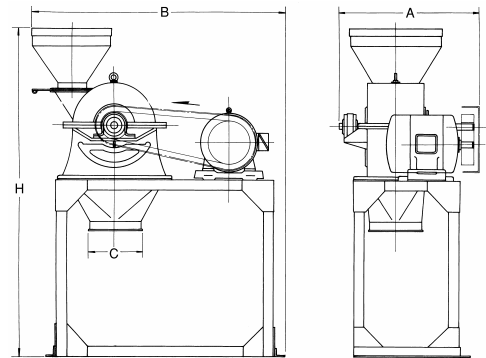
Knife Hammer : for disintegration and granulation

Other special type is available on request.



### Hammer Breaker

To grind large lumps which cannot be fed to Hammer Mill, large feed opening is provided and a feed way is designed to prevent rebounding of the fed materials from the feed opening when they once entered.



## Specification

|                               |        | H-12         | H-15      | H-18     | H-24    |
|-------------------------------|--------|--------------|-----------|----------|---------|
| Power                         | kW     | 2.2 ~ 3.7    | 3.7 ~ 5.5 | 7.5 ~ 11 | 22 ~ 30 |
| Speed                         | rpm    | 2800         | 2500      | 2000     | 1500    |
| Hammer Qty                    | T type | pc. 20       | 24        | 28       | 24      |
|                               | Plate  | pc. 20 or 40 | 24 or 48  | 28 or 56 | 52      |
|                               | Knife  | pc. 40       | 48        | 56       | 52      |
| Max. Feed Size                | mm     | 40           | 50        | 80       | 90      |
| Dimension                     | A      | mm ~ 705     | ~ 850     | ~ 950    | ~ 1100  |
|                               | B      | mm 1204      | 1390      | 1565     | 1260    |
|                               | C      | mm 250       | 300       | 350      |         |
|                               | H      | mm 1570      | 1790      | 2150     | 1213    |
| Approx weight                 | kg     | 1500         | 430       | 800      | 1300    |
| Hammer Breaker Max. Feed Size | mm     | 120          | 150       | 180      | 450     |



## HOSOKAWA MICRON CORPORATION

Hosokawa Micron Corporation is a member of the Hosokawa Micron Group, responding to global needs through emphasis on materials equipment and systems for powder processing, thermal processing, environmental protection, and plastics processing. The Group maintains facilities for research, engineering, manufacturing, and service in each of the world's industrial markets.

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