

WLK Jumbo / Super Jumbo

Part of WEIMA's Single-Shaft Shredder Series



robust shredders
for large applications

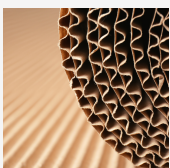
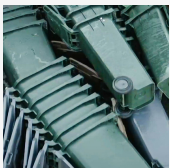


overview

The WLK Jumbo / Super Jumbo shredders are designed to attack large-volume, demanding applications. The Jumbo / Super Jumbo series has set the standard for features, ruggedness, and functionality. These machines are suitable for a variety of applications.

applications

- large pipes
- foils in rolls
- big bags
- plastic crates
- garbage bins
- car bumpers
- hard plastics
- carpet
- textiles
- plastic film
- wood waste
- paper / cardboard
- electronic scrap
- purge / lumps



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Different materials?

We have the answer!

In order to grind different materials efficiently, expert know-how and experience is important. The spectrum of projects varies, because of the variety of materials, shapes, sizes, and degree of contamination.

It is important to match the application requirements to a customized machine in order to achieve optimal results. This is what the Jumbo / Super Jumbo line of single-shaft shredders has to offer.

Material examples:

Hard Plastics

- lumps
- purgings
- boxes
- mouldings
- plastic bins



Fibers

- PA
- polyester
- aramid fibers
- glass fiber
- carbon fibers



Wood

- pallets
- furniture
- hardwood + softwood
- chipboard
- MDF



Paper + Cardboard

- waste paper
- cellulose
- documents
- packaging



Pipes

- pipelines
- KG pipes
- AS pipes



Film

- agricultural film
- BOPP film
- PVB film
- composite film



Features and specifications

Special configurations available



WEIMA gearbox

- In-house development for maximum toughness
- Torque control and vibration absorber



Control cabinet

Optional touch-screen display and frequency drive



Ram shock valve

- Absorbs ram shocks
- Protects cylinders



Rotor + counter knives

Selected depending on application type and throughput requirements



Lift-up screen basket

- Pivoted hydraulically
- Provides easy maintenance access
- Simplifies the process of changing the screen basket



Rubber feet

For vibration control and shock absorption



Offset bearing

- Dust-proof
- Sturdy design
- Maintenance friendly



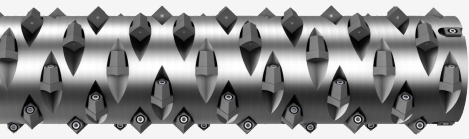
Hydraulic drive

- Robust
- Extremely high torque at low power
- Control pump for variable speed
- Relationship with world-renowned hydraulics manufacturer

Technical Drawings

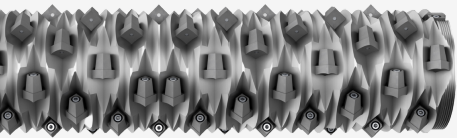
A quick look at the finer details

when it comes to
rotor types,
you've got options



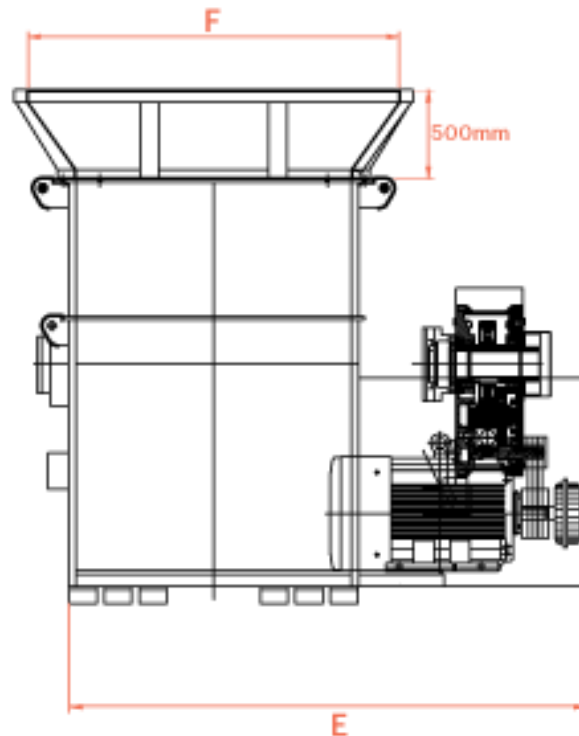
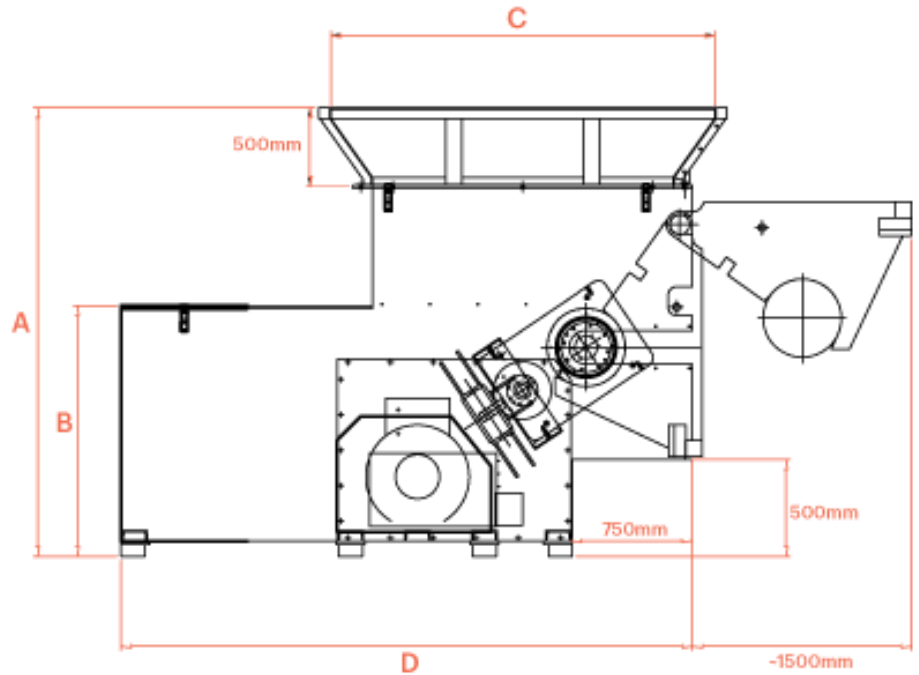
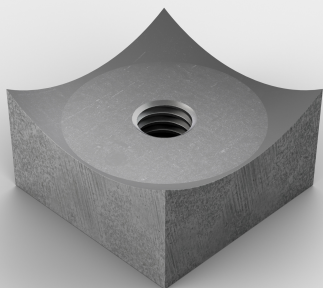
F-Rotor:

- For difficult-to-shred textiles, fibers and film
- The F is for “filaments”
- Comes with bolted or welded knife holders.
- Extreme wear protection is available for more abrasive applications.



V-Rotor:

- Versatile rotor type for many applications
- High-throughput, low-energy consumption
- Cutting gap adjustment
- Wear resistant and robust



WEIMA offers a variety of knife types, giving you more control over the shredding process. These **knives can be rotated up to three times** to maximize your investment in high-quality spare parts.

Machinery specifications

JUMBO SERIES

| | WLK 15 J | WLK 18 J | WLK 20 J | WLK 25 J |
|------------------------------|-----------------|-----------------|-----------------|-----------------|
| Feed opening (in) | 59 x 74 | 71 x 74 | 78.75 x 74 | 98.5 / 74 |
| Feed opening (mm) | 1,550 x 1,880 | 1,800 x 1,880 | 2,000 x 1,880 | 2,500 1,880 |
| Hopper volume (m³) | 4.5 | 5.4 | 6.0 | 7.5 |
| Rotor diameter (in/mm) | 19 / 482 | 19 / 482 | 19 / 482 | 19 / 482 |
| Rotor width (in/mm) | 59 / 1,500 | 71 / 1,800 | 78.75 / 2,000 | 98.5 / 2,500 |
| Power (hp) | 120 / 150 / 180 | 120 / 150 / 180 | 150 / 180 / HYD | 180 / HYD |
| Knife count (at 40/60/80 mm) | 123 / 44 / 30 | 147 / 52 / 36 | 165 / 58 / 42 | 207 / 74 / 52 |
| Approx. weight (lbs/kg) | 27,500 / 12,500 | 33,000 / 15,000 | 36,500 / 16,500 | 45,000 / 20,500 |
| A (in/mm) | 106.3 / 2,700 | 106.3 / 2,700 | 106.3 / 2,700 | 106.3 / 2,700 |
| B (in/mm) | 57.3 / 1,455 | 57.3 / 1,455 | 57.3 / 1,455 | 57.3 / 1,455 |
| C (in/mm) | 94.5 / 2,400 | 94.5 / 2,400 | 94.5 / 2,400 | 94.5 / 2,400 |
| D (in/mm) | 140.2 / 3,560 | 140.2 / 3,560 | 140.2 / 3,560 | 140.2 / 3,560 |
| E (in/mm) | 109.3 / 2,775 | 121.1 / 3,075 | 129 / 3,275 | 148.6 / 3,775 |
| F (in/mm) | 79.5 / 2,020 | 91.35 / 2,320 | 99.2 / 2,520 | 118.9 / 3,020 |

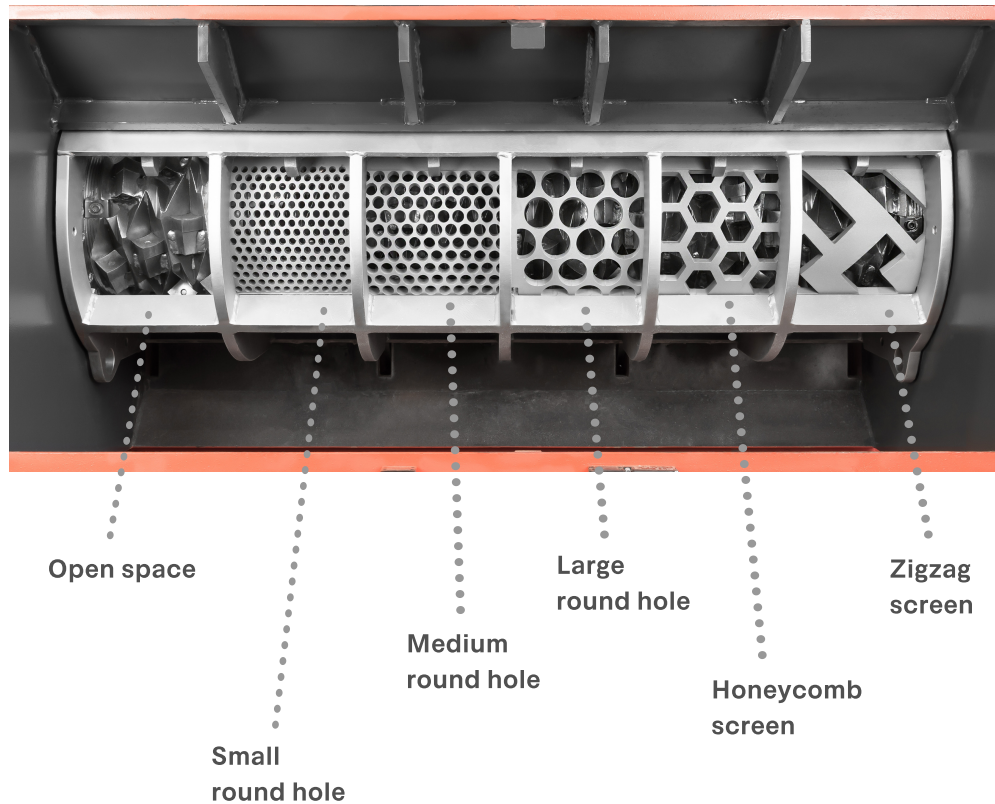
SUPER JUMBO SERIES

These measurements are to be used as a guide only and are subject to slight changes. The throughput rate depends on material and screen size. Special configurations are available.

| | WLK 15 SJ | WLK 20 SJ | WLK 25 SJ | WLK 30 SJ |
|------------------------------|-----------------|-----------------|-----------------|-----------------|
| Feed opening (in) | 59 x 76 | 78.75 x 76 | 98.5 x 76 | 118.25 x 76 |
| Feed opening (mm) | 1,500 x 1,930 | 2,000 x 1,930 | 2,500 x 1,930 | 3,000 x 1,930 |
| Hopper volume (m³) | 4.8 | 6.4 | 8.0 | 9.6 |
| Rotor diameter (in/mm) | 23.6 / 600 | 23.6 / 600 | 23.6 / 600 | 23.6 / 600 |
| Rotor width (in/mm) | 59 / 1,500 | 78.75 x 2,000 | 98.5 x 2,500 | 118.25 x 3,000 |
| Power (hp) | 120 / 150 / 180 | 180 / HYD | HYD | HYD |
| Knife count (at 40/60/80 mm) | 123 / 66 / 46 | 165 / 87 / 52 | 207 / 111 / 77 | 249 / 135 / 93 |
| Approx. weight (lbs/kg) | 31,500 / 14,250 | 42,000 x 19,000 | 53,000 / 24,000 | 63,000 / 28,500 |
| A (in) | 111 / 119 | 111 / 119 | 111 / 119 | 111 / 119 |
| A (mm) | 2,820 / 3,020 | 2,820 / 3,020 | 2,820 / 3,020 | 2,820 / 3,020 |
| B (in) | 61.6 / 69.5 | 61.6 / 69.5 | 61.6 / 69.5 | 61.6 / 69.5 |
| B (mm) | 1,565 / 1,765 | 1,565 / 1,765 | 1,565 / 1,765 | 1,565 / 1,765 |
| C (in/mm) | 97.25 / 2,470 | 97.25 / 2,470 | 97.25 / 2,470 | 97.25 / 2,470 |
| D (in/mm) | 141.75 / 3,600 | 141.75 / 3,600 | 141.75 / 3,600 | 141.75 / 3,600 |
| E (in/mm) | 109.6 / 2,785 | 129.3 / 3,285 | 152.6 / 3,785 | 168.7 / 4,285 |
| F (in/mm) | 80.3 / 2,040 | 100 / 2,540 | 119.7 / 3,040 | 139.4 / 3,540 |

One size does not fit all!

Fine-tuning shredder features for optimal throughput.



WEIMA offers a variety of screens for the WLK Series shredders.

These screens give customers more control over the size and speed of the material throughput.



WEIMA's extensive line of shredders and grinders offer small shops and large operations an opportunity to streamline workflows and rethink production scrap.

WEIMA: Your partner for the long haul

We know what it takes to keep your shredder running at peak performance.



Welcome to the
WEIMA family!

Over

40 years

of experience in
manufacturing
and service.



Support
available on

6 continents!



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service.us@weima.com



We have authentic WEIMA parts for your machines-- in-stock and ready to ship.



Support can be reached via phone, e-mail, video chat, or in person!



Start-up and training materials are available to ensure you are prepared to run your shredder.



Our experienced support team can answer even the most specific questions regarding your machine and its operation.



WEIMA technicians can travel to you for maintenance, team training, or troubleshooting.



Made in Germany.
Built for the world.

