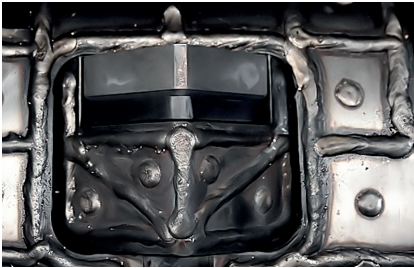


# ZTS/ZTTS



## Shredders for car tyres

- Single large diameter rotor (760 mm)
- Knife design for tyre processing
- Variable knife gap for improved steel and rubber separation
- Compact heavy-duty design
- High throughput rates
- Fast and easy tool change and maintenance



### Knife Design

The ZERMA tyre shredders use specially developed knife materials and wear-resistant components to ensure long service life under abrasive operating conditions.

### Applications

The ZTS and ZTTS shredders are specially designed for the processing of complete car tyres. Depending on the screen size and knife configuration, the material can be reduced to a defined output size for further separation of rubber and steel. The machines are also suitable for downstream processing in tyre recycling lines and other applications involving abrasive rubber materials.



### Drive System

The oversized gearbox driving the rotor is supported by a torque arm to reduce shock loads during shredding.

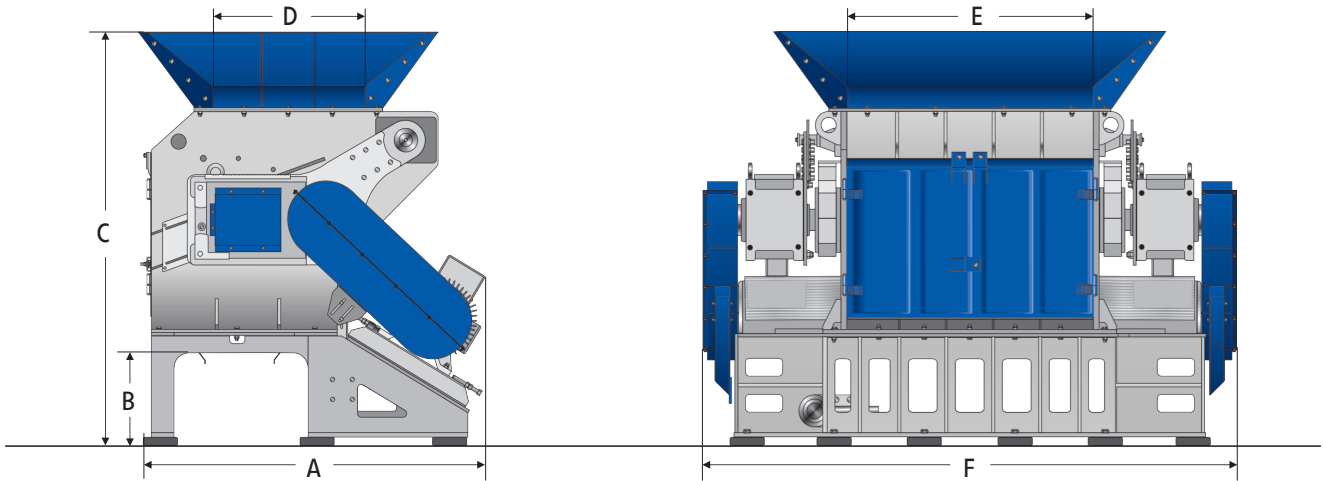
### General Description

The ZTS and ZTTS are single shaft shredders designed specifically for tyre recycling applications. Both machines feature a 760 mm diameter rotor with widths from 1500 to 3000 mm and are driven by high torque geared drives. The tangential infeed ensures reliable feeding of the input material, while the hydraulic swing ram maintains consistent pressure during operation. The machines differ in the arrangement of the stator knives and the screen design, allowing them to be adapted to different process requirements and existing plant layouts.



### Rotor System

The ZTS and ZTTS shredders are equipped with a large diameter rotor and a hard facing wear protection system. The knives are mounted in precision-machined knife holders to ensure secure seating and consistent cutting performance.



## Technical Specifications

Type	1500	2000	3000
Rotor diameter (mm)	760	760	760
Rotor width (mm)	1560	1960	2760
Rotor speed (rpm)	41	41	41
Drive capacity (kW)	2 x 90	2 x 110	on request
Rotor knives (pcs)	76	96	136
Stator blades (rows)	1 or 2	1 or 2	1 or 2
Screen size (mm) ZTS	80 mm screen bars	80 mm screen bars	80 mm screen bars
Screen size (mm) ZTTS	> 16	> 16	> 16
Effective working area (mm)	1005 x 1620	1005 x 2020	1005 x 2820
Weight approx. (kg) ZTS	12300	15300	20500
Weight approx. (kg) ZTTS	12800	16500	21500

## Dimensions

Type	1500	2000	3000
A (mm)	2300	2300	2300
B (mm)	605	605	605
C (mm)	2700	2700	2700
D (mm)	1000	1000	1000
E (mm)	1620	2020	2820
F (mm)	3800	4240	5040

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