

# ZXS



## Heavy duty shredders

- Low speed, high torque geared drive
- Powerful two-speed hydraulic swing ram
- Heavy-duty design
- High throughput rates
- Suitable for very large and heavy parts
- Large diameter rotor (750 mm)



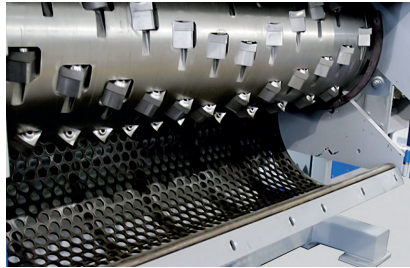
### Knife Design

ZERMA shredders are available with different knife designs to fit specific applications. All knives are square and can be turned once one side is worn down.

### Applications

The ZXS shredders are designed for the size reduction of large, heavy and bulky materials in demanding recycling applications. They are suitable for wood, paper, cardboard, e-waste, post-consumer waste, rubber and various plastic materials, including purgings, lumps and thick-walled parts. Depending on the application and screen size, the shredded material can be used directly or fed into the next stage of size reduction.

For the recycling of complete truck and tractor tyres, the ZXS-T model is available with special wear protection and knife configurations.



### E-type rotor

All ZERMA shredders are equipped with the E-type rotor. The knives are mounted in precision-machined knife holders to ensure secure seating and consistent cutting performance.

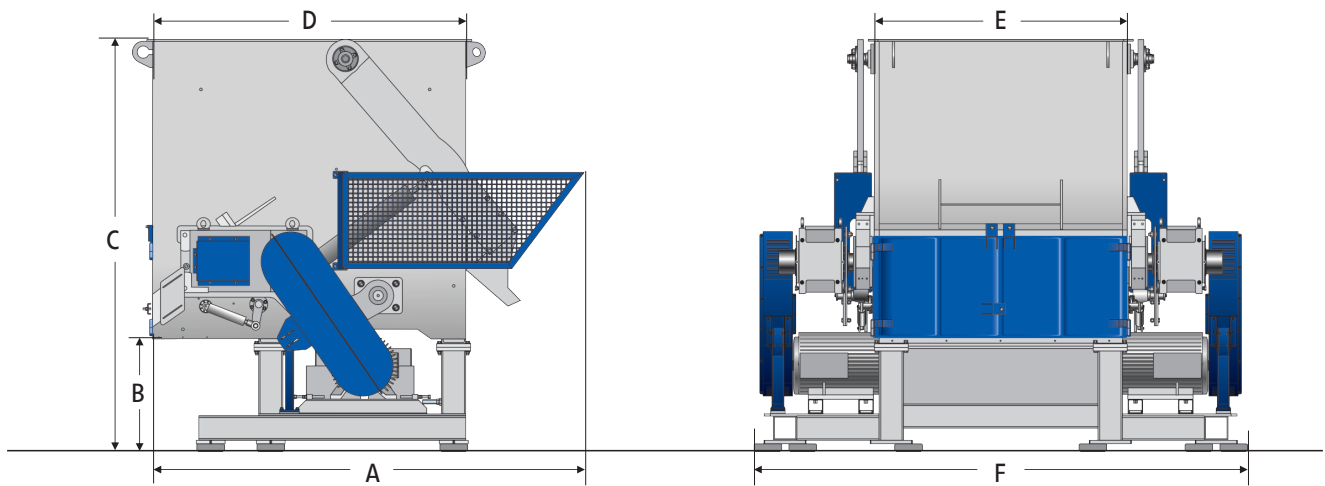
### General Description

The ZXS series consists of heavy-duty single shaft shredders with a powerful hydraulic swing ram for efficient and controlled material feeding. The machines are available with rotor widths from 1500 to 3000 mm and a rotor diameter of 750 mm. Low speed, high torque geared drives ensure dependable operation under demanding conditions. Standard features include the E-type rotor, outboard bearings and a hydraulically operated screen cradle for easy screen access. Optional hard facing and wear-resistant components are available for abrasive applications.



### Two-Speed Ram

The ZXS shredders feature a powerful two-speed hydraulic swing ram system. This ensures maximum feeding pressure when loading material into the rotor and high return speeds on the backstroke.



### Technical Specifications

Type	1500	2000	3000
Rotor diameter (mm)	750	750	750
Rotor width (mm)	1500	2000	3000
Rotor speed (rpm)	46	46	46
Drive capacity (kW)	2 x 75	2 x 90	2 x 132
Rotor knives (pcs)	76	96	136
Stator blades (rows)	1	1	1
Ram feeder drive (kW)	11	11	11
Screen size (mm)	> 60	> 60	> 60
Cutting chamber volume (m <sup>3</sup> )	7.75	9.67	13.5
Effective working area (mm)	1500 x 1440	1500 x 1840	1500 x 2640
Weight approx. (kg)	17500	20000	25000

### Dimensions

Type	1500	2000	3000
A (mm)	3580	3580	3580
B (mm)	935	935	1015
C (mm)	3420	3420	3670
D (mm)	2540	2540	2540
E (mm)	1620	2020	2820
F (mm)	3560	4100	5070

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