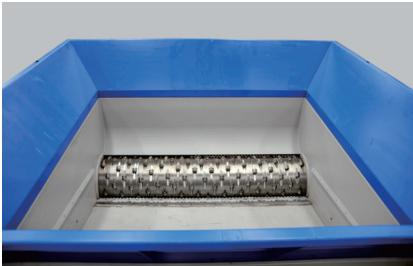


# ZHS



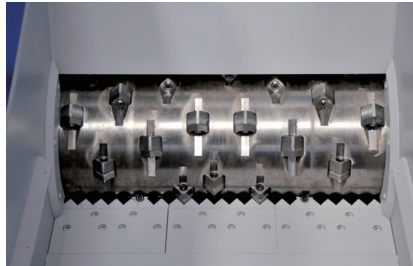
## Shredders

- Large feeding hopper
- Robust welded steel construction
- Low speed operation
- Advanced rotor and knife mounting system



### Feeding Hopper

The large feeding hopper allows the machine to be used for a wide range of materials and applications.



### 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.



### Angled Ram

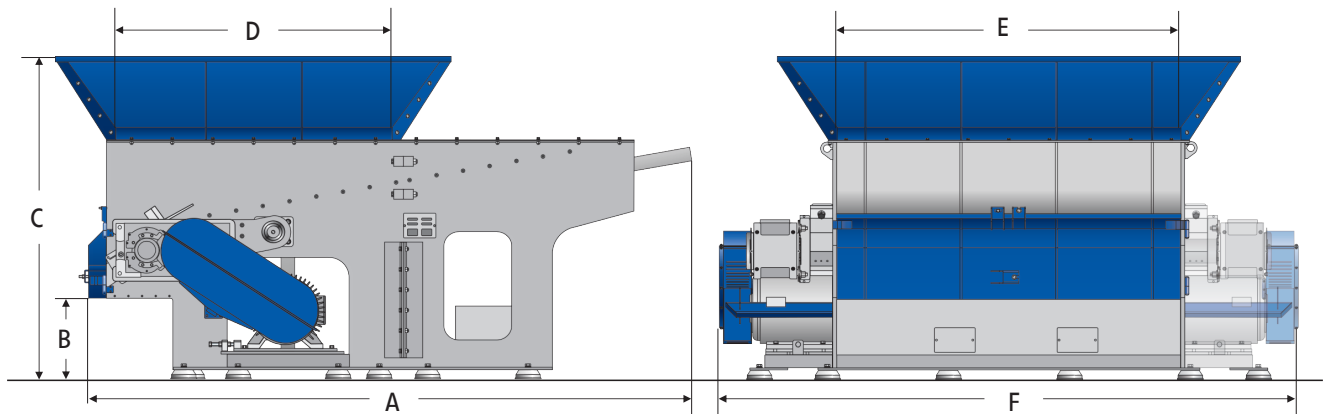
The angled hydraulic ram ensures efficient and controlled material feeding into the rotor.

### Applications

The ZHS series is designed for the size reduction of mixed plastics, wood, paper and general waste streams. The machines are also suitable for engineering plastics, moulded parts and bulky materials. Their compact design allows easy integration into complete recycling lines with downstream separation or granulation equipment.

### General Description

The ZHS series consists of single shaft shredders with an angled hydraulic ram for efficient and reliable material feeding. The machines are available with rotor widths from 850 to 1960 mm and are driven by low speed, high torque geared drives. Standard features include the rotor and knife holder system, a hydraulically operated screen cradle and a range of rotor and knife configurations to suit different applications. Different discharge options are available depending on the process layout.



### Technical Specifications

Type	850	1100	1400	1700	2000
Rotor diameter (mm)	404	404	404	404	404
Rotor width (mm)	850	1100	1400	1700	1960
Rotor speed (rpm)	100	100	104	104	104
Drive capacity (kW)	22 / 30	30 / 37	45 / 55	55 / 75	75 / 90
Rotor knives (pcs)	20 / 40	27 / 54	34 / 68	41 / 82	48 / 96
Stator blades (rows)	1	1	1 x 5	1 x 6	1 x 7
Ram feeder drive (kW)	1.5	1.5	5.5	5.5	5.5
Screen size (mm)	> 40	> 40	> 40	> 40	> 40
Cutting chamber volume (m <sup>3</sup> )	1.25	2	3.6	4.7	5.5
Effective working area (mm)	820 x 770	1095 x 1050	1440 x 1330	1640 x 1610	1620 x 1910
Weight approx. (kg)	3000	3700	6000	7000	8500

### Dimensions

Type	850	1100	1400	1700	2000
A (mm)	2690	3160	3990	4325	4205
B (mm)	455	455	455	455	455
C (mm)	2025	2135	2320	2370	2420
D (mm)	1285	1540	1885	2050	2050
E (mm)	860	1140	1420	1700	1980
F (mm)	1565	2085	2370	2730	3075

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