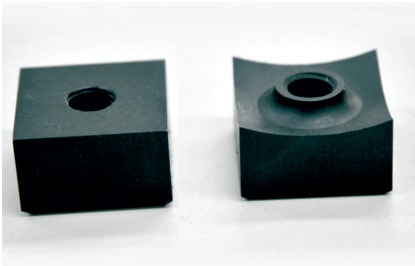


# ZRS

## Pipe / profile shredders

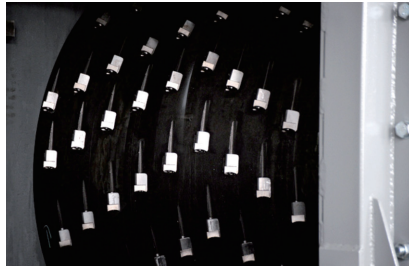


- Allows feeding of bundles or nested pipes and profiles
- No pre-cutting of pipe lengths necessary
- Process pipes up to 1200 mm diameter
- Automatic control for virtually jam-free operation
- Eliminates current peaks
- High throughput rates
- Large diameter rotor (up to 1500 mm)



### 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.



### E-type rotor

The ZRS shredders use large diameter E-type rotors. The knives are fixed in special knife holders mounted in precision-machined pockets.



### Pipe Feeding

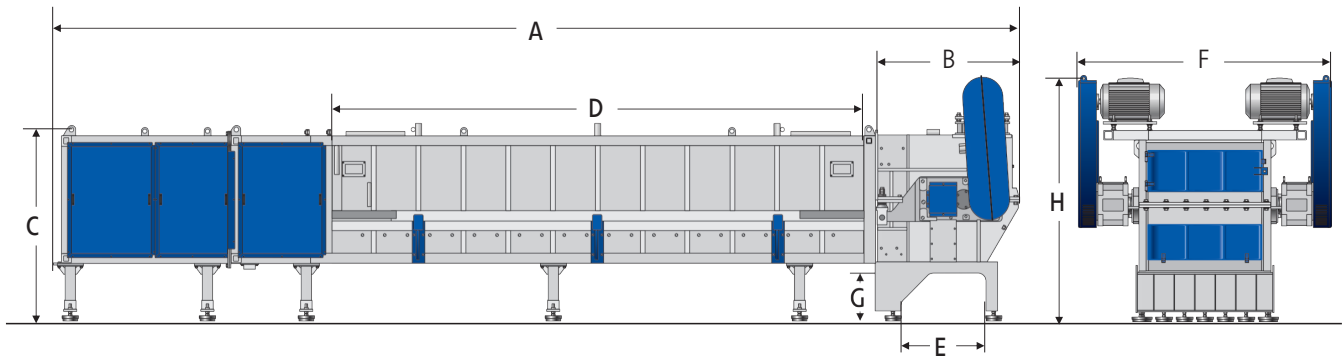
The ZRS pipe shredders are equipped with a special feeding trough designed to handle pipes up to 6 m in length. A powerful hydraulic ram feeds the pipes into the rotor.

### Applications

The ZRS shredders are designed for the size reduction of large diameter pipes and profiles made from PE, PP and PVC. They are suitable for single pipes, bundles and nested pipes without pre-cutting. The machines are typically used in pipe and profile recycling applications where high throughput and reliable feeding of long parts are required.

### General Description

The ZRS series consists of single shaft shredders specially designed for the processing of pipes and profiles with diameters of up to 1200 mm. The machines use a large diameter rotor and a feeding trough that allows long parts to be fed directly without pre-cutting. Rotor diameters range from 800 to 1500 mm and rotor widths from 850 to 1450 mm. Advanced controls, low rotor speed and smooth hydraulics ensure reliable operation and high throughput.



### Technical Specifications

Type	800	1000	1500
Rotor diameter (mm)	800	1000	1500
Rotor width (mm)	850	1050	1450
Rotor speed (rpm)	40	36	23
Drive capacity (kW)	2 x 37	2 x 45	2 x 55
Rotor knives (pcs)	60	81	136
Stator blades (rows)	1 or 2	1 or 2	1 or 2
Ram feeder drive (kW)	11	15	15
Feeding trough volume (m <sup>3</sup> )	2.7	6.7	12.6
Biggest pipe (mm)	6500/3500 x Ø630	6500 x Ø850	6500 x Ø1200
Weight approx. (kg)	12800	17500	24000

### Dimensions

Type	800	1000	1500
A (mm)	10840	11940	12180
B (mm)	1420	1580	1820
C (mm)	1830	1965	2320
D (mm)	3860	6720	6720
E (mm)	975	1080	1080
F (mm)	2545	2975	3290
G (mm)	590	590	590
H (mm)	2565	2660	3160

### ZERMA MACHINERY & RECYCLING TECHNOLOGY CO. LTD.

5 Xinjie Rd Xinqiao · Township Ind. Park  
 Songjiang · Shanghai · China  
 Phone: +86 21 57645573 · info@zerma.com

