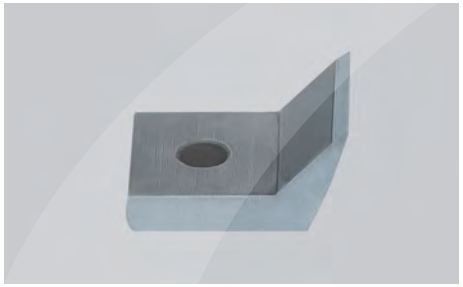
ZERMA
THE HOME OF SIZE REDUCTION

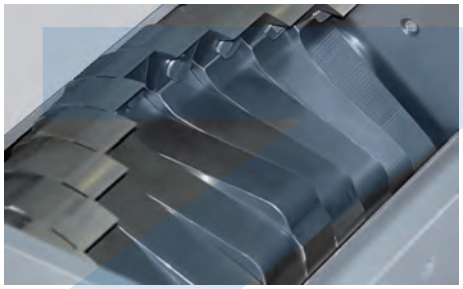
Shredders // **Granulators** // Pulverizers // Attachments

GSL // GSE // GSC // GSH // GSP // ZHM

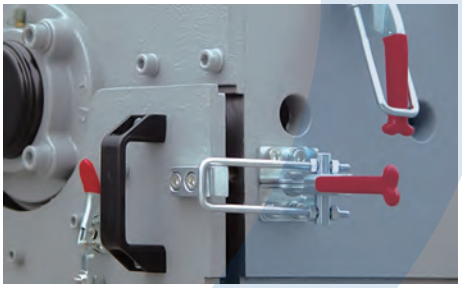
GSL 180
BESIDE THE PRESS GRANULATOR



The curvature of the specially profiled rotor knives ensures a constant cutting radius after re-sharpening thus maintaining the original cutting gap. Awkward knife adjustment is no longer necessary.



Staggered rotor blades creates an individual blade cut thus increasing the cutting torque. All of the machines in this series are therefore suitable for grinding more solid materials and thicker walled sprues.



The ZERMA Quick Snap System allows the lower front plate section to be easily removed for granulator cleaning. The lower front plate section is held in position by two sturdy lever clamps.

GENERAL DESCRIPTION

The slow speed granulators in the GSL 180 range feature a staggered 180 mm diameter rotor with widths ranging from 180 to 430 mm. The rotor is directly driven by a geared motor. The low rotor speed reduces the noise level of the machine and creates less dust while grinding. The special design knives of the GSL series can be sharpened easily and do not need adjustment afterwards. The material is fed via a sound absorbing feed hopper that can be tailored to fit various applications and feeding ways. Depending on the requirements the machines can be fitted with a wide variety of hoppers, they are mounted on either low or high level base frames with matching suction bins or bag filling adapters. Quick snap fasteners and hand screws make access to the machine for cleaning and maintenance fast and easy.

APPLICATIONS

The GSL slow speed granulators of the 180 series are mainly used in injection and blow molding processes as beside the press machines to grind runners and sprues. The resulting granules are then immediately reintroduced into the production process. The machines can be used for rejected products in the inline recycling process as well. Different hopper and base frame designs make it possible to integrate the machine with most types of injection molding machines and robots.

ADVANTAGES

- **Direct driven staggered rotor**
- **Special knife design makes adjustment unnecessary**
- **Easy access for maintenance and cleaning**
- **Slow rotor speed creates less noise and dust**
- **Easily customizable to suit different applications**

ENGLISH

PLASTIC SIZE REDUCTION
RUBBER SIZE REDUCTION
WOOD SIZE REDUCTION
E-WASTE SIZE REDUCTION

ZERMA

GSL
BESIDE THE PRESS GRANULATOR

PLASTIC SIZE REDUCTION

ZERMA. THE HOME OF SIZE REDUCTION

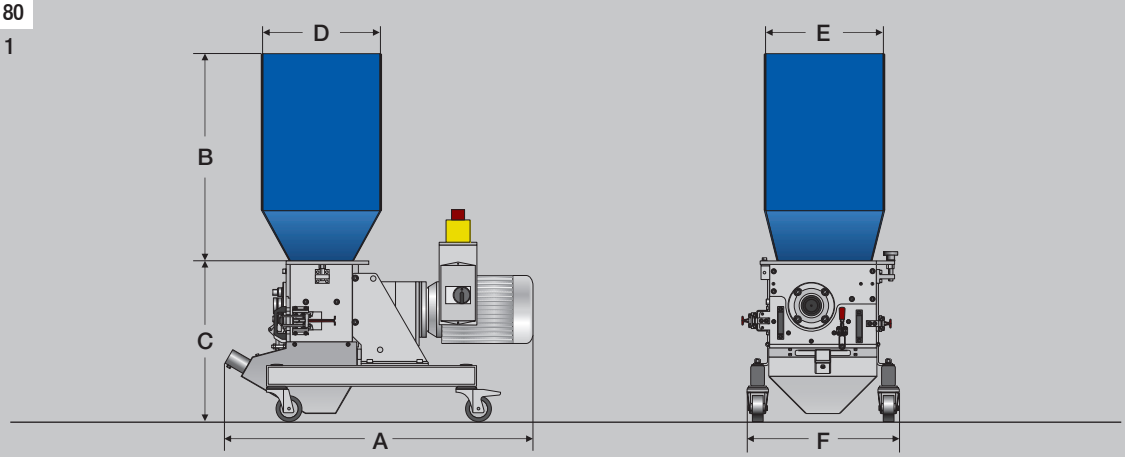
ZERMA

SPECIFICATIONS

Type GSL	180/120	180/180	180/300	180/430
Rotor diameter (mm)	180	180	180	180
Rotor width (mm)	120	180	300	430
Rotor speed (rpm)	150	150	150	150
Drive capacity (kW)	2.2	3	4	4
Rotor knifes (pcs)	12	18	30	45
Stator blades (rows)	2	2	2	2
Screen size (mm)	>5	>5	>5	>5
A (mm)	835	890	1095	1240
B (mm)	610	610	610	810
C (mm)	460	460	460	550
D (mm)	345	345	345	430
E (mm)	345	345	345	290
F (mm)	455	455	455	615

DIMENSIONS

GSL 180
4/2011



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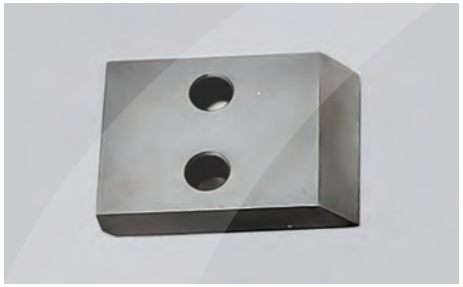
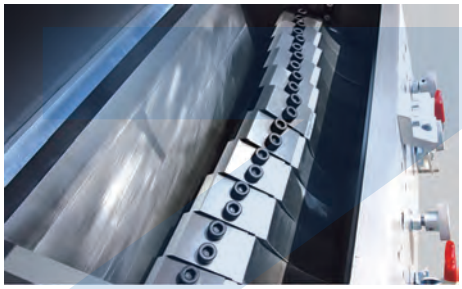
Shredders // **Granulators** // Pulverizers // Attachments

GSL // GSE // GSC // GSH // GSP // ZHM

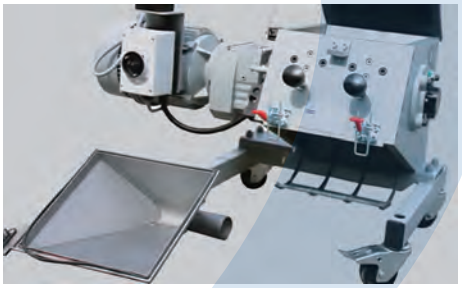
GSL 200
BESIDE THE PRESS GRANULATOR



The curvature of the specially profiled rotor knives ensures a constant cutting radius after re-sharpening thus maintaining the original cutting gap. Awkward knife adjustment is no longer necessary.



The staggered rotor design creates an individual blade cut. The aggressive open rotor of the 200 series GSL makes it well suited for bigger volume parts such as bottles.



The quick snap system makes access to the cutting chamber, suction trough and screen area fast and easy. The hinged screen holder simplifies screen installation.

GENERAL DESCRIPTION

The slow speed granulators in the GSL 200 range feature a staggered 200 mm diameter rotor with widths ranging from 180 to 500 mm. The rotor is directly driven by a geared motor. The low rotor speed reduces the noise level of the machine and creates less dust while grinding. The special design knives of the GSL series can be sharpened easily and do not need adjustment afterwards. The material is fed via a sound absorbing feed hopper that can be tailored to fit various applications and feeding ways. Depending on the requirements the machines can be fitted with a wide variety of hoppers, they are mounted on either low or high level base frames with matching suction bins or bag filling adapters. Quick snap fasteners and hand screws make access to the machine for cleaning and maintenance fast and easy.

APPLICATIONS

The GSL slow speed granulators of the 180 series are mainly used in injection and blow molding processes as beside the press machines to grind runners and sprues. The resulting granules are then immediately reintroduced into the production process. The GSL 200 series machines are more aggressive than the smaller 180 series and thus better suited for larger thin walled parts. The machines can be used for rejected products in the inline recycling process as well. Different hopper and base frame designs make it possible to integrate the machine with most types of injection molding machines and robots.

ADVANTAGES

- **Direct driven staggered rotor**
- **Special knife design makes adjustment unnecessary**
- **Easy access for maintenance and cleaning**
- **Slow rotor speed creates less noise and dust**
- **Easily customizable to suit different applications**

ENGLISH

PLASTIC SIZE REDUCTION
RUBBER SIZE REDUCTION
WOOD SIZE REDUCTION
E-WASTE SIZE REDUCTION

ZERMA

GSL
BESIDE THE PRESS GRANULATOR

PLASTIC SIZE REDUCTION

ZERMA. THE HOME OF SIZE REDUCTION

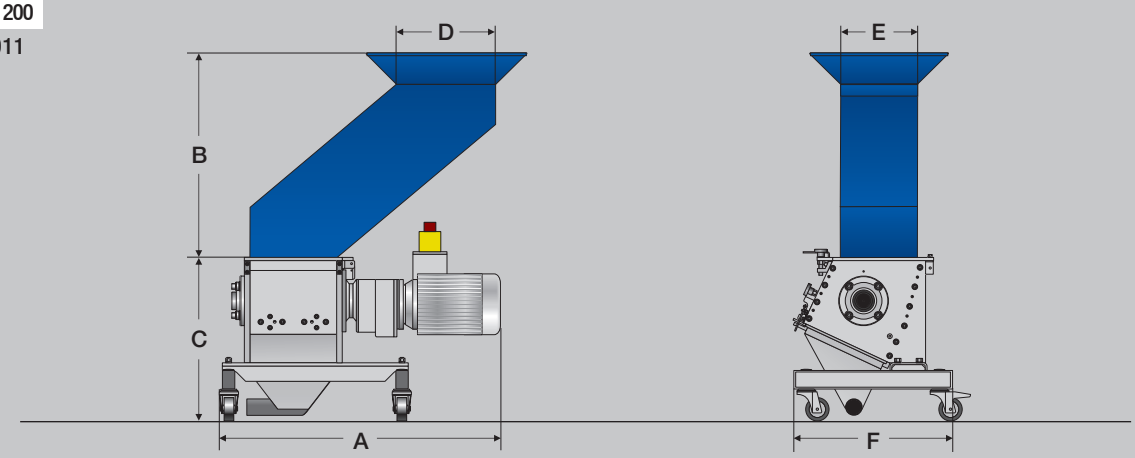
ZERMA

SPECIFICATIONS

Type GSL	200/180	200/270	200/360	200/500
Rotor diameter (mm)	200	200	200	200
Rotor width (mm)	180	270	360	500
Rotor speed (rpm)	150	150	150	150
Drive capacity (kW)	3	3	4	4
Rotor knifes (pcs)	12	18	24	33
Stator blades (rows)	2	2	2	2
Screen size (mm)	>5	>5	>5	>5
A (mm)	985	1110	1255	1415
B (mm)	740	770	815	835
C (mm)	520	520	520	520
D (mm)	230	310	470	545
E (mm)	245	245	245	245
F (mm)	510	510	510	510

DIMENSIONS

GSL 200
4/2011



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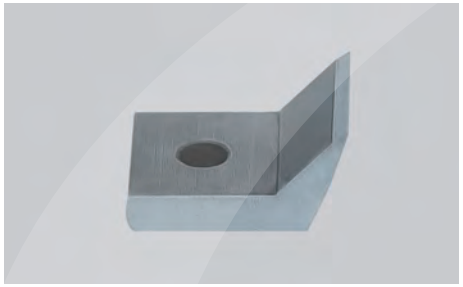
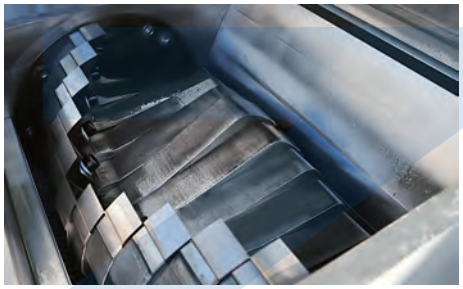
GSL // GSE // GSC // GSH // GSP // ZHM

GSL 300
BESIDE THE PRESS GRANULATOR



The curvature of the specially profiled rotor knives ensures a constant cutting radius after re-sharpening thus maintaining the original cutting gap. Awkward knife adjustment is no longer necessary.



Staggered rotor blades creates an individual blade cut thus increasing the cutting torque. All of the machines in this series are therefore suitable for grinding more solid materials and thicker walled sprues.

Due to the Quick snap fasteners used on the GSL series machines, the machines can be opened for cleaning and maintenance quickly without the need for special tools.

GENERAL DESCRIPTION

The slow speed granulators in the GSL 300 range feature a staggered 300 mm diameter rotor with widths ranging from 400 to 800 mm. The rotor is directly driven by a geared motor. The low rotor speed reduces the noise level of the machine and creates less dust while grinding. The special design knives of the GSL series can be sharpened easily and do not need adjustment afterwards. The material is fed via a sound absorbing feed hopper that can be tailored to fit various applications and feeding ways. Depending on the requirements the machines can be fitted with a wide variety of hoppers, they are mounted on either low or high level base frames with matching suction bins or bag filling adapters. Quick snap fasteners and hand screws make access to the machine for cleaning and maintenance fast and easy.

APPLICATIONS

The GSL slow speed granulators of the 300 series are mainly used in injection and blow molding processes as beside the press machines to grind runners and sprues. But they can be used as low noise central granulators for small throughput requirements as well. The stronger design of the 300 series GSLs allow them to be used for stronger and thicker materials while offering the same advantages regarding low noise and dust as the smaller GSL machines. All GSL models can be equipped with a built in blower system in case a vacuum loading system is not available, or to transport the ground material to bags for storage.

ADVANTAGES

- **Direct driven staggered rotor**
- **Special knife design makes adjustment unnecessary**
- **Easy access for maintenance and cleaning**
- **Slow rotor speed creates less noise and dust**
- **Easily customizable to suit different applications**

ENGLISH

PLASTIC SIZE REDUCTION
RUBBER SIZE REDUCTION
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E-WASTE SIZE REDUCTION

ZERMA

GSL
BESIDE THE PRESS GRANULATOR

PLASTIC SIZE REDUCTION

ZERMA. THE HOME OF SIZE REDUCTION

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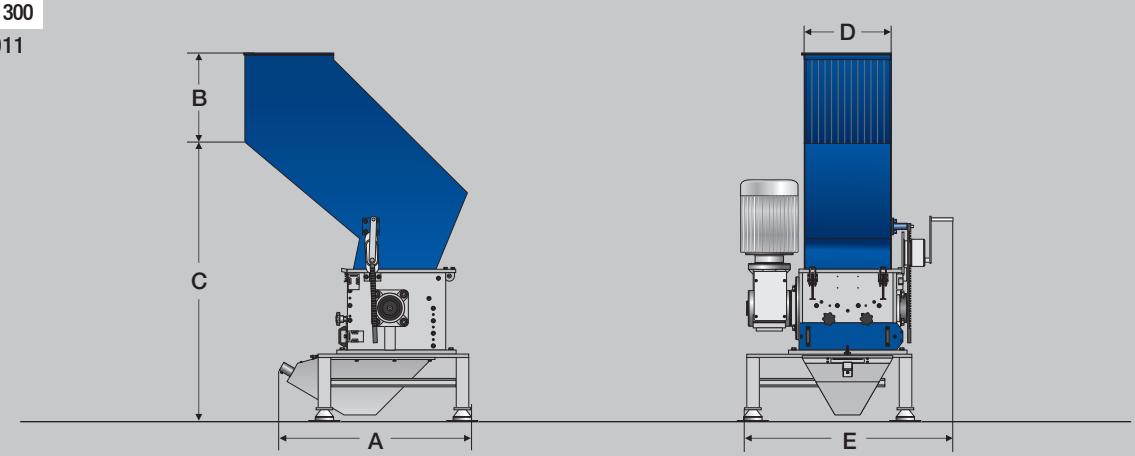
SPECIFICATIONS

Type GSL	300/400	300/600	300/800
Rotor diameter (mm)	300	300	300
Rotor width (mm)	400	600	800
Rotor speed (rpm)	150	150	150
Drive capacity (kW)	7.5	11	18.5
Rotor knifes (pcs)	33	48	66
Stator blades (rows)	2	2	2
Screen size (mm)	>5	>5	>5
A (mm)	1125	1125	1135
B (mm)	400	400	400
C (mm)	1335	1335	1340
D (mm)	405	600	830
E (mm)	1035	1230	1635

DIMENSIONS

GSL 300
4/2011



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