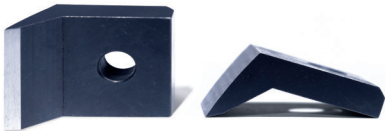


# GSL 180



## Beside the press granulator

- Direct drive, staggered rotor
- Special knife design eliminates knife adjustment
- Easy access for cleaning and maintenance
- Low rotor speed reduces noise and dust
- Flexible configuration for different applications

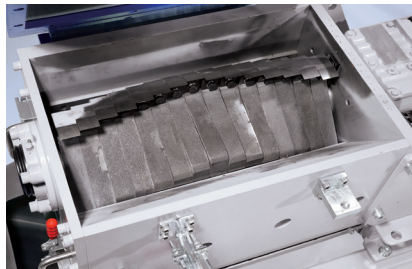


### Knife Design

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.

### Applications

The GSL 180 series slow speed granulators are mainly used in injection and blow moulding applications for the size reduction of runners, sprues and small rejected parts. Installed beside the press, they allow the regrind to be returned directly into the production process. With different hopper and base frame configurations, the machines can be integrated easily into a wide range of production lines, including systems with robots and conveyor feeding.

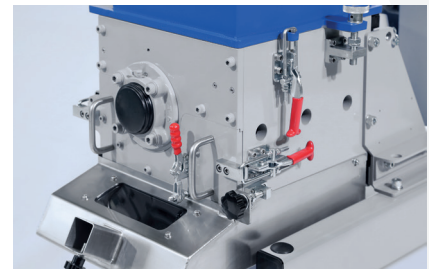


### Staggered Rotor

Staggered rotor blades create 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.

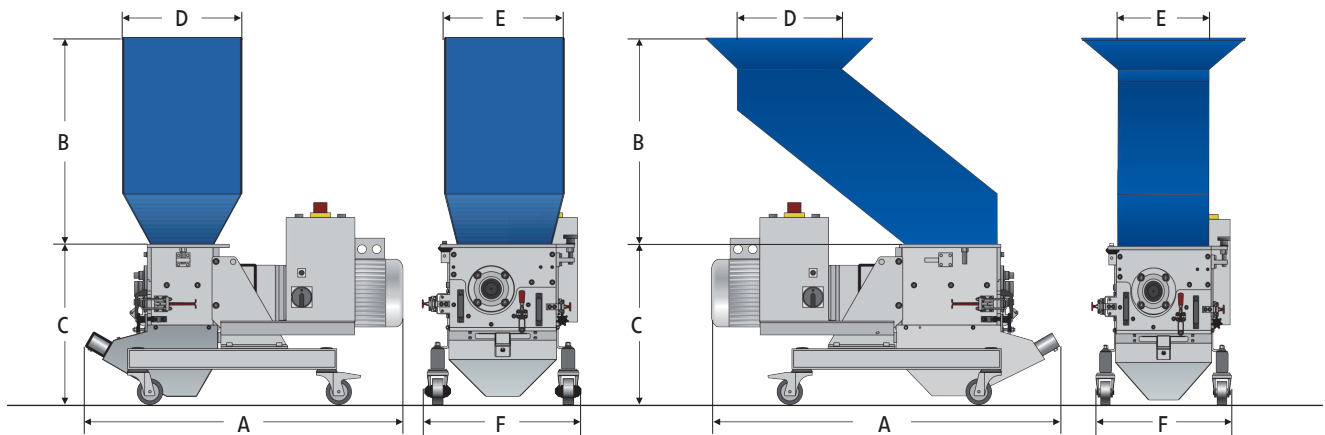
### General Description

The GSL 180 range of slow speed granulators features a 180 mm diameter rotor with widths from 180 to 430 mm. The rotor is directly driven by a geared motor. Low rotor speeds reduce noise levels and dust generation during operation. A range of hopper, base frame and discharge configurations allows the machines to be adapted to different applications and integrated easily alongside injection moulding machines, robots and other production equipment.



### Quick Snap System

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.



### Technical Specifications

Type	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 knives (pcs)	12	18	30	45
Stator blades (rows)	2	2	2	2
Screen size (mm)	>5	>5	>5	>5
Weight approx. (kg)	130	140	180	250

### Dimensions with straight hopper

Type	180/120	180/180	180/300	180/430
A (mm)	835	890	1100	1240
B (mm)	610	610	610	910
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 with inclined hopper

Type	180/120	180/180	180/300	180/430
A (mm)	835	895	1100	1240
B (mm)	760	760	760	820
C (mm)	470	470	470	560
D (mm)	315	315	345	525
E (mm)	270	270	270	270
F (mm)	440	440	440	540

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