

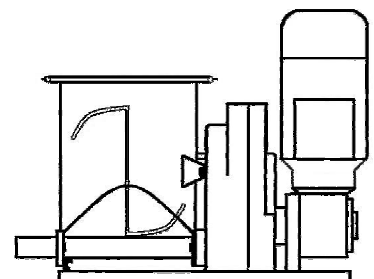
# Three-Tec

## Standard-Feeders

We have solutions for the feeding of good flowing bulk material



**Three-Tec GmbH • Industrie Birren 20 • CH-5703 Seon**  
**Phone: +41 (0) 62 892 82 11 • Fax: +41 (0) 62 892 82 13**  
**E-Mail: [info@three-tec.ch](mailto:info@three-tec.ch) • Net: [www.three-tec.ch](http://www.three-tec.ch)**



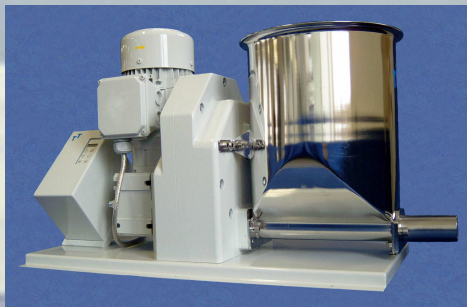
# Double-Screw Feeders



## **ZD 12 B**

The volumetric double screw feeder ZD 12 B with agitator, safety guard and horizontal or vertical outlet tube is ideally suited for dosing of rapid- and free-flowing powder and microgranulates.

Feed rate 0.1 up to 60 dm<sup>3</sup>/h.



## **ZD 32 B**

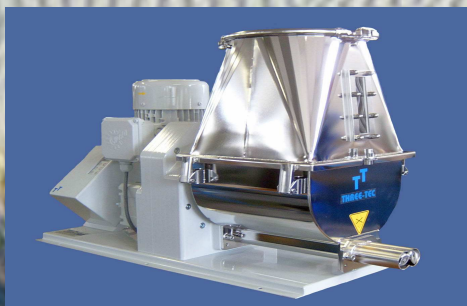
The volumetric double screw feeder ZD 32 B with agitator, safety guard and horizontal or vertical outlet tube is ideally suited for dosing of rapid- and free-flowing powder and microgranulates.

Feed rate 4.0 up to 900 dm<sup>3</sup>/h.



## **ZD 12 V**

Double screw feeder ZD 12 B with agitator, safety guard and horizontal outlet tube with vertical plate for the glovebox installation. Also suited for the isolator installation.



## **ZD 32 Z**

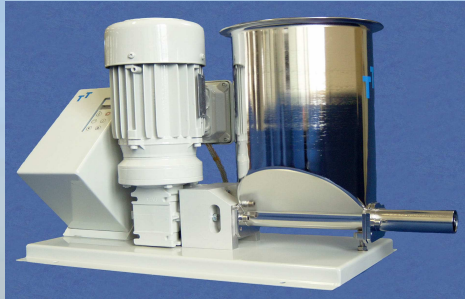
The volumetric double screw feeder ZD 32 Z with conical hopper, agitator, safety guard and horizontal or vertical outlet tube is ideally suited for dosing of poor-flowing or wet powder.



## **ZD / ED PVDF Contamination free**

All material in contact with surfaces of feeding- and auxiliary hopper, dosing tools, agitator, safety guard and outlet tube are made of PVDF fluoroplastics.

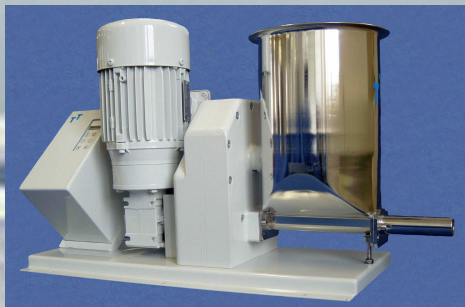
# Single-Screw Feeders



## **ED 20**

The volumetric single screw feeder ED 20 without agitator, with safety guard and horizontal or vertical outlet tube is ideally suited for dosing of well- and free-flowing powder, flakes, pellets, granulates and agglomerates.

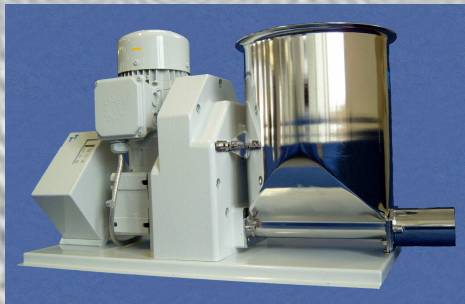
Feed rate 0.1 up to 80 dm<sup>3</sup>/h.



## **ED 20 B**

The volumetric single screw feeder ED 20 B with agitator, with safety guard and horizontal or vertical outlet tube is ideally suited for dosing of well- and free-flowing powder, flakes, pellets, granulates and agglomerates.

Feed rate 0.1 up to 80 dm<sup>3</sup>/h.



## **ED 55 B**

The volumetric single screw feeder ED 55 B with agitator, with safety guard and horizontal or vertical outlet tube is ideally suited for dosing of well- and free-flowing powder, flakes, pellets, granulates and agglomerates.

Feed rate 4.0 up to 4800 dm<sup>3</sup>/h.



## **ED 40 Q / ED 50 Q / ED 65 Q**

The low cost volumetric single screw feeders ED 40 Q / ED 50 Q / ED 65 Q without agitator and safety guard with vertical outlet tube for directly clamping.

Feed rate 2.0 up to 6500 dm<sup>3</sup>/h.



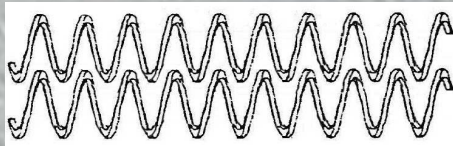
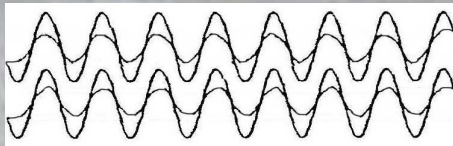
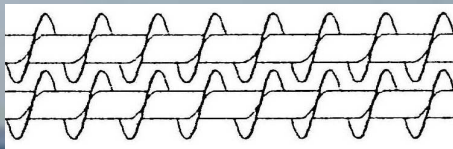
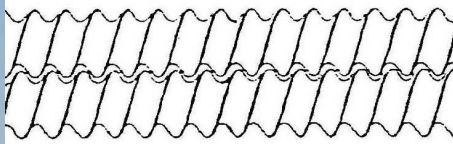
## **ED 20 with housing**

Completely made of stainless steel, ground smooth and polished to Ra 0.8/Ra 0.4 µm, radius 3 mm.

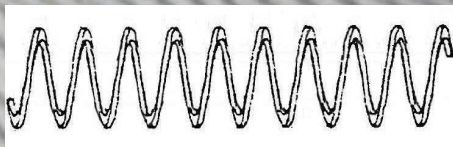
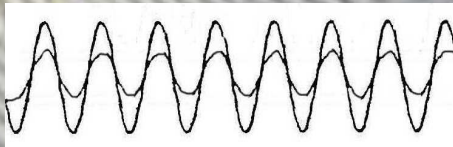
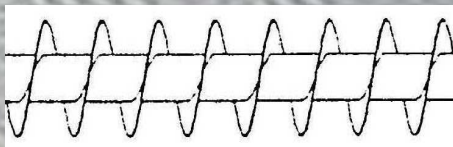
The pharma version is available on all feeder models.

## Feeding Tools

### Double-Screw



### Single-Screw



|  | ZD 12 B            | Feed rate                    | ZD 32 B            | Feed rate                    |
|--|--------------------|------------------------------|--------------------|------------------------------|
|  | Ø 12 x Pitch 6 mm  | 0.01-12.0 dm <sup>3</sup> /h | Ø 32 x Pitch 16 mm | 1.0-200.0 dm <sup>3</sup> /h |
|  | Ø 12 x Pitch 24 mm | 0.04-48.0 dm <sup>3</sup> /h | Ø 32 x Pitch 64 mm | 4.0-800.0 dm <sup>3</sup> /h |
|  | Ø 12 x Pitch 6 mm  | 0.05-15.0 dm <sup>3</sup> /h | Ø 32 x Pitch 16 mm | 5.0-420.0 dm <sup>3</sup> /h |
|  | Ø 12 x Pitch 24 mm | 0.3-60.0 dm <sup>3</sup> /h  | Ø 32 x Pitch 64 mm | 20.0-880 dm <sup>3</sup> /h  |
|  | Ø 12 x Pitch 6 mm  | 0.03-20.0 dm <sup>3</sup> /h | Ø 32 x Pitch 16 mm | 5.0-250 dm <sup>3</sup> /h   |
|  | Ø 12 x Pitch 24 mm | 0.12-80.0 dm <sup>3</sup> /h | Ø 32 x Pitch 64 mm | 20-1000 dm <sup>3</sup> /h   |
|  | Ø 12 x Pitch 6 mm  | 0.1-15.0 dm <sup>3</sup> /h  | Ø 32 x Pitch 16 mm | 2.5-220 dm <sup>3</sup> /h   |
|  | Ø 12 x Pitch 24 mm | 0.1-60.0 dm <sup>3</sup> /h  | Ø 32 x Pitch 64 mm | 10.0-880 dm <sup>3</sup> /h  |

|  | ED 20 B            | Feed rate                    | ED 55 B            | Feed rate                   |
|--|--------------------|------------------------------|--------------------|-----------------------------|
|  | Ø 10 x Pitch 10 mm | 0.15-9.0 dm <sup>3</sup> /h  | Ø 50 x Pitch 25 mm | 3.5-1900 dm <sup>3</sup> /h |
|  | Ø 20 x Pitch 20 mm | 0.30-18.0 dm <sup>3</sup> /h | Ø 50 x Pitch 50 mm | 7.0-3800 dm <sup>3</sup> /h |
|  | Ø 10 x Pitch 10 mm | 0.1-42.0 dm <sup>3</sup> /h  | Ø 50 x Pitch 25 mm | 5.0-2400 dm <sup>3</sup> /h |
|  | Ø 20 x Pitch 20 mm | 0.2-84.0 dm <sup>3</sup> /h  | Ø 50 x Pitch 50 mm | 10-4800dm <sup>3</sup> /h   |
|  | Ø 10 x Pitch 10 mm | 0.2-12.0 dm <sup>3</sup> /h  | Ø 50 x Pitch 25 mm | 4.0-1250 dm <sup>3</sup> /h |
|  | Ø 20 x Pitch 20 mm | 0.4-24.0 dm <sup>3</sup> /h  | Ø 50 x Pitch 50 mm | 8.0-2500 dm <sup>3</sup> /h |

|  | ED 40 Q            | Feed rate                    | ED 65 Q            | Feed rate                   |
|--|--------------------|------------------------------|--------------------|-----------------------------|
|  | Ø 32 x Pitch 16 mm | 7.5-450.0 dm <sup>3</sup> /h | Ø 50 x Pitch 25 mm | 2.0-2600 dm <sup>3</sup> /h |
|  | Ø 32 x Pitch 32 mm | 15.0-900 dm <sup>3</sup> /h  | Ø 50 x Pitch 50 mm | 3.0-5200 dm <sup>3</sup> /h |
|  | Ø 32 x Pitch 16 mm | 4.0-600.0 dm <sup>3</sup> /h | Ø 50 x Pitch 25 mm | 5.0-3250 dm <sup>3</sup> /h |
|  | Ø 32 x Pitch 32 mm | 8.0-1200 dm <sup>3</sup> /h  | Ø 50 x Pitch 50 mm | 10-6500 dm <sup>3</sup> /h  |
|  | Ø 32 x Pitch 16 mm | 2.5-500.0 dm <sup>3</sup> /h | Ø 50 x Pitch 25 mm | 3.5-1350 dm <sup>3</sup> /h |
|  | Ø 32 x Pitch 32 mm | 5.0-1000 dm <sup>3</sup> /h  | Ø 50 x Pitch 50 mm | 7.0-2500 dm <sup>3</sup> /h |

Feed rates strongly depend on bulk materials and are to be considered as theoretical values.

We also manufacture special screws designed to meet customer's requirements, from diameter 5 mm up to diameter 130 mm. Single-, double- or multi-threaded, linear conical, progressive and relief ground. Feed rates from 0.020-15500 dm<sup>3</sup>/h.