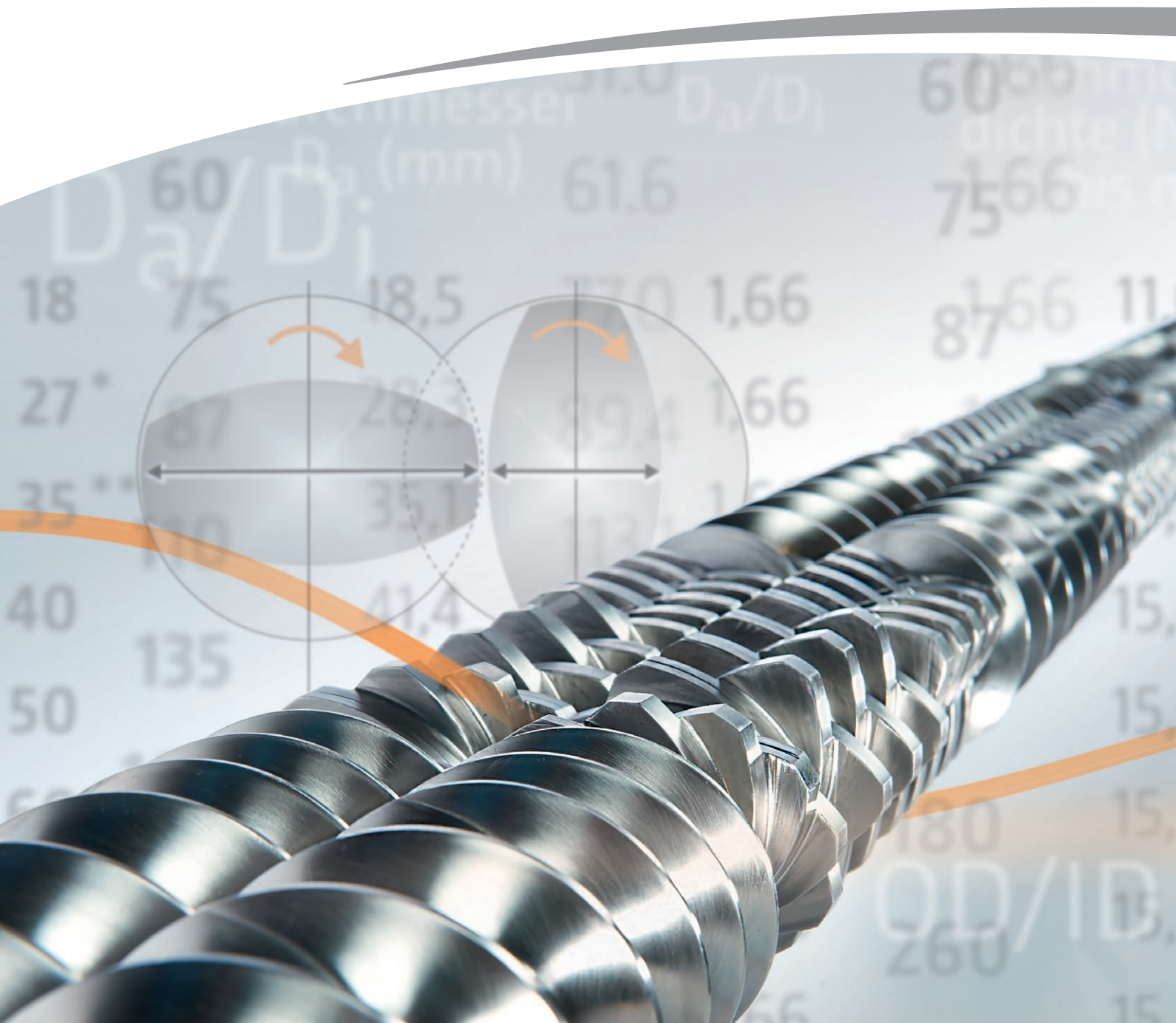


## ZSE 18 MA<sup>XX</sup>

Data sheet



ZSE 18 MAXX	
Screw diameter (mm)	18.5
Flight depth (mm) without tolerance	3.7
OD/ID	1.66
Screw length	24 - 60 D
Screw speed (rpm) max.	1,200
Motor power (kW)	10
Torque (Nm) max.	71

*\* No responsibility is taken for the correctness of the specifications provided. The specified values depend on the used material type and its consistence as well as on the environmental variables (temperature, humidity etc.) and further factors. Weight and dimensions depend on the processing length (length provided in mm) among other things. If you inform us of your individual demands we will gladly make a binding offer.*

When the word is about formulation development, basic research or small batch production, the Leistritz ZSE 18 MAXX is the right choice. This extruder is the perfect completion of the ZSE MAXX series. It convinces with the maXXshaft feature: With an OD/ID of 1.66 it holds a higher volume than the ZSE 18 HPe machines. Scale-up calculations to larger ZSE MAXX extruders are considerably simplified and more reliable. Another advantage: The throughput of volume restricted formulations can be increased by up to 30%.

The barrel length is - analogues to larger machines - designed in a 4D system. The spline profile of the shaft was adapted in order to have more volume in the screw and thus, to transmit a higher torque (maXXshaft feature). By placing four instead of formerly two tie rods inside the barrel, several side feeders can be mounted. This feature facilitates any kind of compounding process.



Example of a ZSE 18 MAXX \*

#### CONVINCING FEATURES OF THE ZSE 18 MAXX:

- very high volume for this machine size (OD/ID = 1.66)
- wide process window
- sophisticated machine concept
- no limitations in the quantity of side feeders → quick change possibility
- 4 instead of 2 heating cartridges per barrel → facilitate high temperature applications

#### Further design details

- 1 larger feed opening
- 2 simple design: electricity stored in the machine frame
- 3 water-cooled cover
- 4 mobile frame