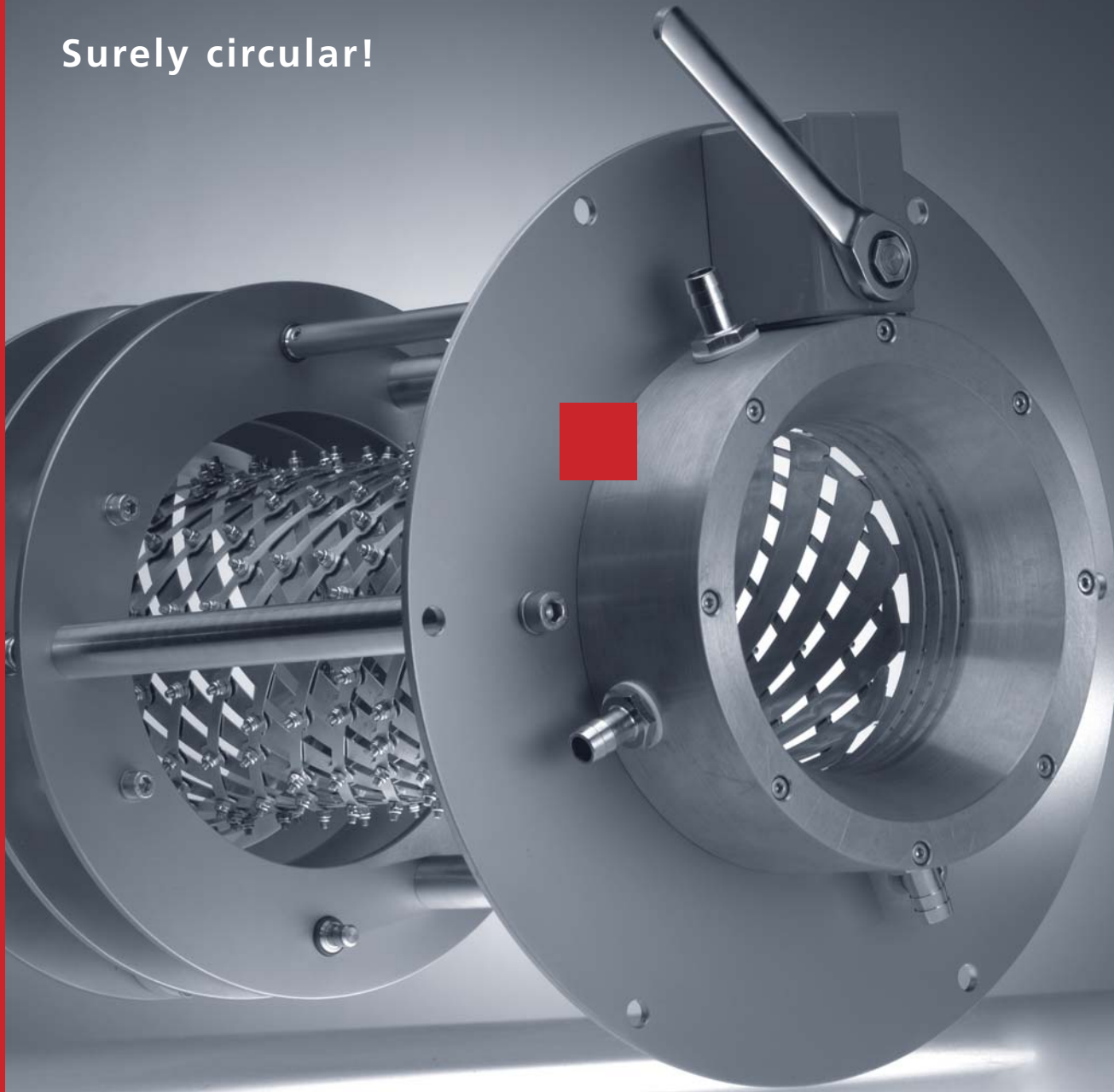


Surely circular!



Flexible calibration sleeve.

# One calibration sleeve for all pressure classes.

## **Change wall thickness without interrupting the process.**

MAXFLEX by iNOEX is the latest generation of adjustable calibration sleeves. All pressure classes of one nominal pipe diameter can now be produced without interrupting the production process. The shrinkage factor depending on the wall thickness can be mastered speedily which ensures that the exterior diameter can be precisely adapted. MAXFLEX stands for a maximum of flexibility.

## **Effective cooling.**

Water for cooling is directly lead into an integrated water ring system which provides a lubricating film needed to obtain the characteristic pipe surface.

## **Calibration cage. Flexibility to compensate shrinkage. Unconditionally circular pipes.**

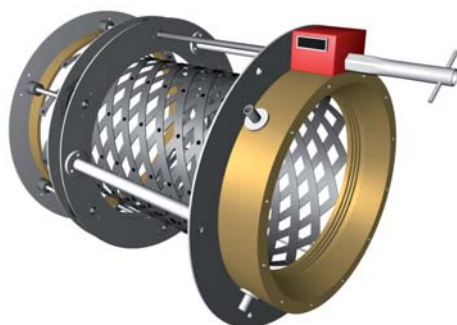
MAXFLEX uses the globally successful ADVANTAGE principle to guarantee precision of nominal diameters. The flexible bands construction of the calibration cage is at one end attached to the rigid inlet, at the other end it is connected to a flexible outlet ring.

Contraction or expansion in lengthwise direction give the cage a slightly conical shape on the outlet side. This shaping process takes place just before the pipe leaves the MAXFLEX calibration sleeve. It is needed to adapt the pipe's exterior diameter to the set nominal diameter, including allowance for the shrinkage factor.

The flexible bands construction ensures that the inside of the cage is perfectly circular in any position, which in turn produces a circular pipe.

## **Speedy perfection.**

An adjustment unit precisely adapts the calibration cage to required exterior diameters. Allowance is given for shrinkage. For an exact and reproducible setting, a counter is mounted at the inlet – everything is controlled and speedily accomplished.



## **Simple mechanism for continuous adaptation of wall thickness.**

For a large wall thickness, the calibration sleeve is contracted by turning the adjustable unit – the vacuum pressure remains unchanged during the turning process. This modification in length enlarges the interior diameter of the cage in a slightly conical shape. In this way, the pipe is adapted to its rated size and still remains circular.

To obtain a small wall thickness, the process is effected vice versa. Turning the adjustable unit will expand the cage and reduce interior diameters.

# The new generation of flexible calibration sleeves.

## ■ MAXFLEXX-advantages in short:

### ■ Flexibility

All pressure classes of one pipe diameter produced without interruption, no limitation in performance or quality.

### ■ Precision

Highly precise allowance for shrinkage rates depending on pressure classes, no change in vacuum pressure.

### ■ Perfection

The calibration cage based on the ADVANTAGE system remains circular in any position. The combination with the integrated water ring system makes pipes unconditionally circular and provides the required surface quality.

### ■ Economic efficiency

Typical payback periods for this kind of calibration sleeve are between 2 and 10 months.

### ■ Efficient production

The options available for adapting this sleeve increase production flexibility and grant a higher production reliability.

### ■ Cost reduction

The flexible reaction to shrinkage reduces raw material costs. Thickness tolerances are reduced to their minimum.

### ■ Do it yourself

For assembling MAXFLEXX, you do not need any special tools or expensive know-how. Everything is in your own hands.

## System overview.

MAXFLEXX is available for PE, PP and PVC pipe extrusion. It can be supplied as a single component. Available sizes (mm):

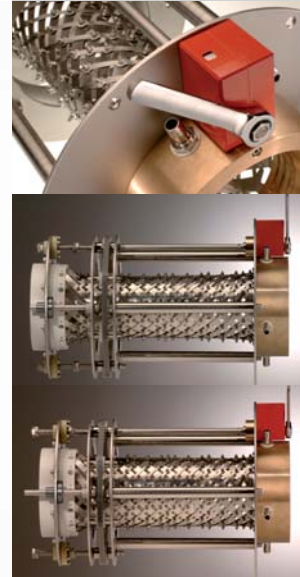
- 32 | 40 | 50 | 63 | 75
- 90 | 110 | 125 | 140 | 160
- 180 | 200 | 225 | 250
- 280 | 315 | 355 | 400
- 450 | 500 | 560 | 630
- 710 | 800 | 900 | 1000

**Note:** Besides the standard sizes, customized sizes are available. Contact iNOEX sales staff for tailor-made packages.

## Additional information.

For additional information, please visit our homepage: [www.maxflexx.de](http://www.maxflexx.de).

MAXFLEXX is also available in our online shop.





## Efficiency, profitability, quality.

These are our targets and our claim: For more than 20 years, iNOEX has developed specific solutions for the extrusion process of pipes, profiles, cables and film. As a leader in innovative equipment for the extrusion industry, we offer a globally unique system and service range to our customers.

## The philosophy: To think ahead.

We set the focus on the overall production process. Only the perfect interplay of all components will guarantee the success in the future. We do not only create innovation but also profitable margins of added value.

## The strategy: conceptions that have a future.

Our systems are based on intelligence, they are flexible and can be extended by complementary modules. iNOEX technology can be easily retrofitted into existing extrusion lines or they are integrated into new lines. Whichever way is the best in your case, will be decided together with you. We believe that competent consultancy comes first in any project.

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Future means to create new solutions together.