

# Competitive edge based on experience

Calibration sleeves from WRS are practice-oriented solutions and represent many years of experience and international Know-How.

**The innovative WRS calibration technology makes it possible to reduce the production costs including savings in raw material due to:**

- Reduced pipe tolerances
- Increased extrusion speed
- Increased extrusion speed
- Reduction of waste



**Based on decades of experience, innovative ideas were realised to increase the efficiency of the sleeves:**

- Sleeve infed area is designed to be more appropriate for the material
- Improved intensive cooling due to a water pressure regulator, which ensures that the pressure is independent of the flow rate

**In addition, we took measures to analyse the value to further reduce manufacturing costs and offer price advantages.**

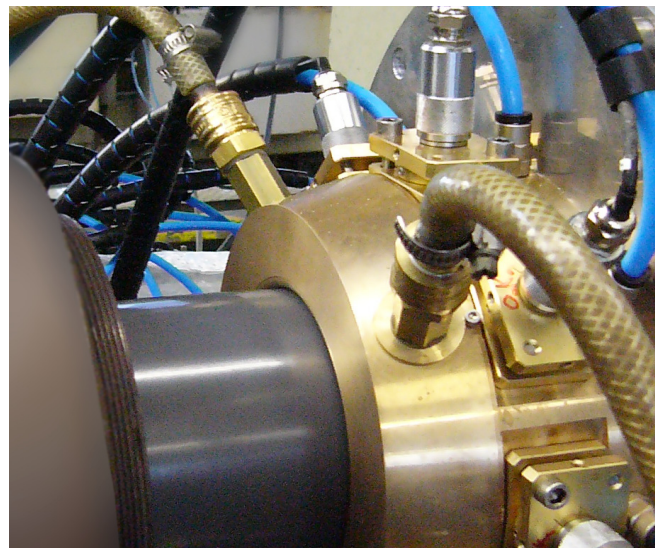
**Additional features for adjustment sleeves:**

- Improvements in the cooling performance and pipe surface due to an increase in segments
- Easier handling and maintenance

## PRODUCT RANGE

Calibration sleeves for pipes with an external diameter of up to 1600 mm for all commercial plastic materials

- Adjustable calibration sleeves
- Semi-adjustable calibration sleeves
- Conventional calibration sleeves
- Disk calibration
- Calibration sleeves with integrated wall thickness measuring device
- All calibration sleeves are available with preliminary and slide cooling
- Seals for vacuum tanks



**WRS** GMBH

*TECHNICAL DEPARTMENT*

DAMPFMÜHLENWEG 6

32549 BAD OEYNHAUSEN

TELEPHONE: +49 (0) 5731/ 98 198 68

TELEFAX: +49 (0) 5731/ 98 198 69

E-MAIL: [info@wrs-online.de](mailto:info@wrs-online.de)

INTERNET: [www.wrs-online.de](http://www.wrs-online.de)

*SALES DEPARTMENT*

BAHNHOFSTRASSE 6

32545 BAD OEYNHAUSEN

TELEPHONE: +49 (0) 5731/ 84 222 81

TELEFAX: +49 (0) 5731/ 98 299 64

E-MAIL: [vertrieb@wrs-online.de](mailto:vertrieb@wrs-online.de)

INTERNET: [www.wrs-online.de](http://www.wrs-online.de)

**WRS**

CALIBRATION, MEASURING AND  
COOLING TECHNOLOGY

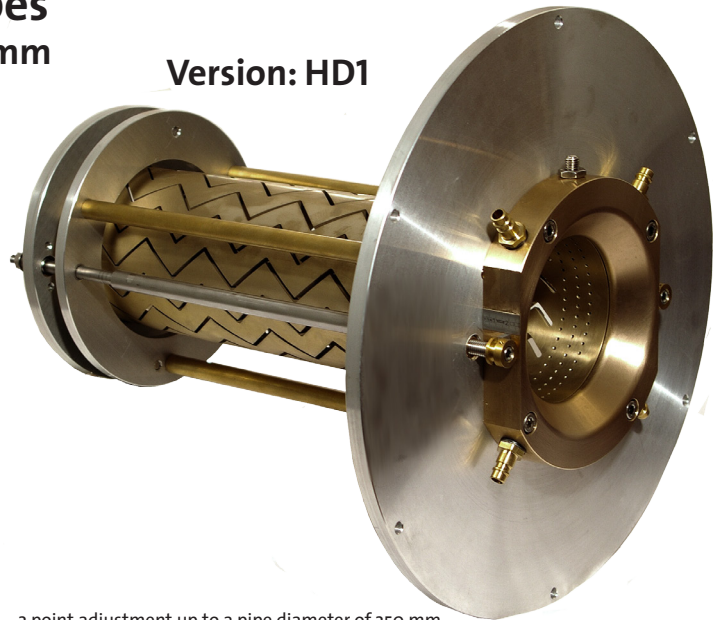
# Adjustment sleeves for HDPE pipes

external pipe diameters from 32 to 1,200 mm

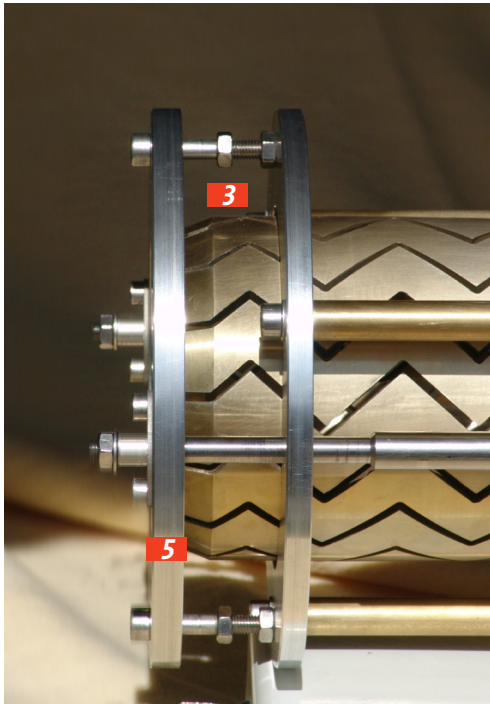
## Advantages of the HD 1 version:

- 1 High cooling capacity** as a result of the innovative water pressure regulator in the intensive cooling section; the pressure does not depend on the flow rate..
- 2 Uniform cooling** with the aid of spray inserts with tangential circulation cooling.
- 3 Compact design** reducing the external diameter of the adjustment area to a minimum.
- 4 Simple handling** due to a two-step distribution process and low maintenance of the sleeve, as only a few movable parts are required for the adjustment.
- 5 Excellent value for money due to patent No. EP1048 434 B1.** The patent makes the adjustment function possible with minimum effort at maximum possible operating reliability.

Version: HD1



2 point adjustment up to a pipe diameter of 250 mm  
3 point adjustment up to a pipe diameter of 630 mm  
6 point adjustment up to a pipe diameter of 1200 mm



# WRS GMBH

TECHNICAL DEPARTMENT  
DAMPFMÜHLENWEG 6  
32549 BAD OEYNHAUSEN  
TELEPHONE: +49 (0) 5731/ 98 198 68  
TELEFAX: +49 (0) 5731/ 98 198 69  
E-MAIL: [info@wrs-online.de](mailto:info@wrs-online.de)  
INTERNET: [www.wrs-online.de](http://www.wrs-online.de)

SALES DEPARTMENT  
BAHNHOFSTRASSE 6  
32545 BAD OEYNHAUSEN  
TELEPHONE: +49 (0) 5731/ 84 222 81  
TELEFAX: +49 (0) 5731/ 98 299 64  
E-MAIL: [vertrieb@wrs-online.de](mailto:vertrieb@wrs-online.de)  
INTERNET: [www.wrs-online.de](http://www.wrs-online.de)