

Clamping crowns  
CROCOdoff, CROCOdoff Forte

**Novibra**

# CROCOdoff, CROCOdoff Forte

Clamping crowns of a new generation

Automation in spindle operation



# OUTSTANDING

## ADVANTAGES

### CROCOdoff, CROCOdoff Forte

#### Reduced Cleaning and Maintenance

No cleaning of the spindle catching area during spinning  
Reduction of after-doff end down rate

#### Energy Saving

Underwinding-free doffing reduces air-friction of the running spindle

#### Flexible

Can be supplied with new machines or as an upgrade to almost all existing machine types

#### Easily Exchangeable

Crown can be replaced easily by Novibra tool

#### Constant Yarn Quality

Elimination of open yarn tails leads to reduction of end-downs during spinning

#### Reliable and Rapid Doffing

Well-proven design of meander catching area clamps and cuts the yarn safely

# CROCOdoff and CROCOdoff Forte – Underwinding-free Crowns for Efficient Spinning

Yarn clamping and cutting crowns with improved functionality and design to meet the requirements of modern spinning mills. The crowns work automatically. Closing and opening is ensured by spindle speed change.

## Automatic and precise setting of opening and closing

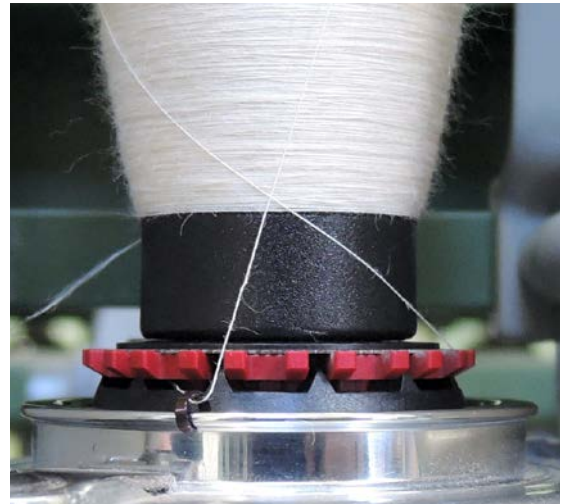
Closing of the CROCOdoff device is set-up at 3 000 rpm of the spindle speed while opening is set-up at 8 000 rpm.

CROCOdoff Forte: closing of the device is set-up at 3 000 rpm of the spindle while opening is set-up at 6 000 rpm.

## Recommended application range

CROCOdoff for spindles with bottom ALU dia equal or smaller than 20 mm, rings dia 34 mm and bigger, suitable for all standard materials yarn count Ne 12 and finer.

CROCOdoff Forte for spindles with bottom ALU dia equal or smaller than 22.4 mm, tubes up to 250 mm, rings dia 38 mm and bigger, and for coarse counts of cotton, man-made fibers and blends. Recommended for spindle type L HPS 68 and speed up to 16 000 rpm.



Less than 270° of yarn underwinding eliminates cleaning of yarn catching device



Underwinding-free crowns

### CROCOdoff, CROCOdoff Forte working principle:



Cop is finished,  
Back-winding,  
Yarn inserted.




Spindle stopped,  
Yarn clamped,  
Cop is removed,  
Yarn cut.



Empty tube fitted,  
Yarn clamped,  
Spindle start-up.



Spinning,  
Yarn released,  
Yarn end flies out  
of the system.



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