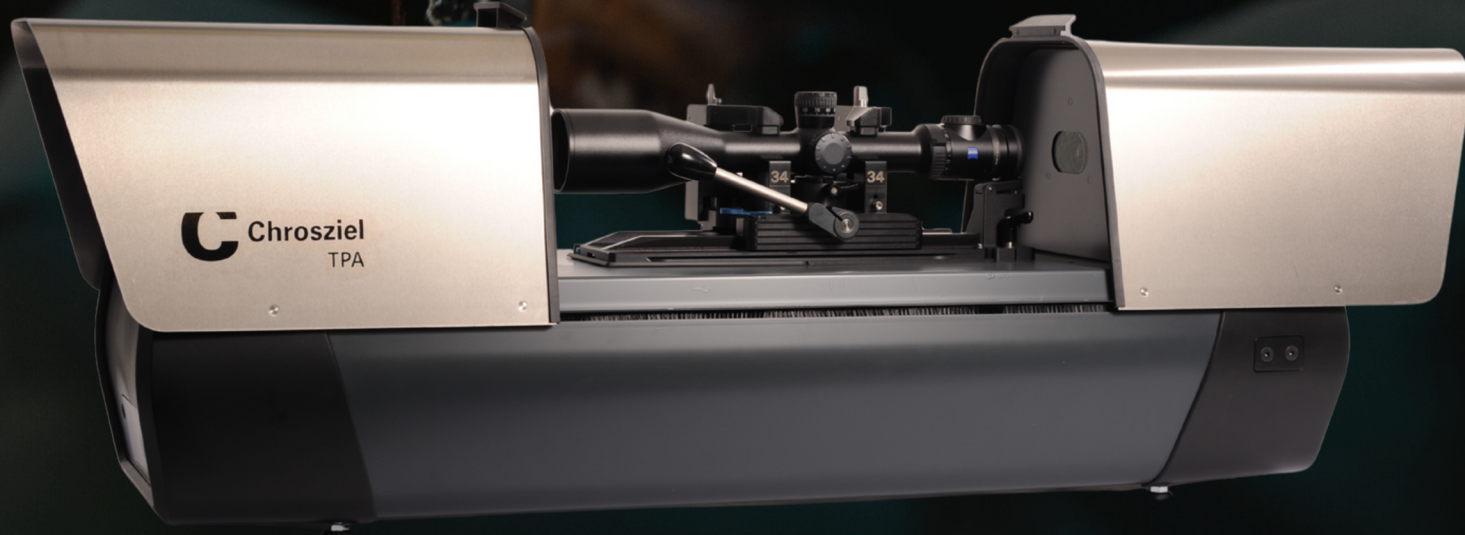




C Chrosziel



TPA Target Precision Analyzer

Catalogue 2025



Chrosziel – Precision and Innovation Since 1973

As the global leader in test equipment for lenses, Chrosziel has been setting the standard for quality and precision for over 50 years.

Crafted in Bavaria, our solutions have earned the trust of the film and broadcast industries worldwide. Building on this unmatched expertise, we now deliver cutting-edge test solutions for riflescopes. With decades of experience and engineering excellence, Chrosziel designs essential testing systems for precise analysis and adjustments.

Our solutions ensure the highest standards of quality and reliability – meeting the demands of both the optics and riflescope industries.



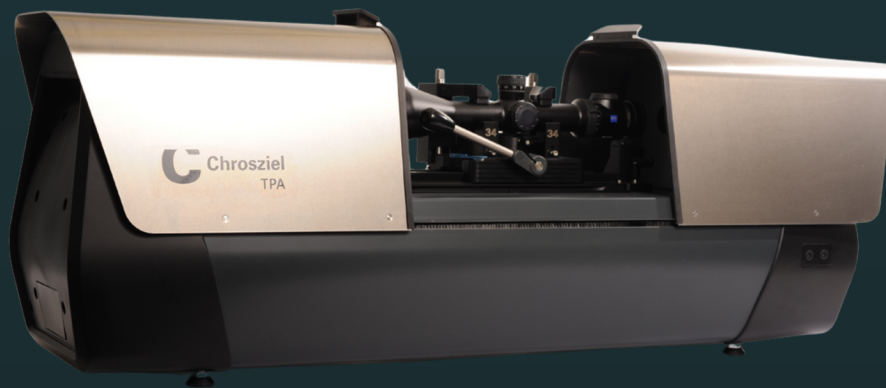
Precision and Objectivity

Afocal optics, such as riflescopes, have so far mostly been evaluated using visual inspection methods—techniques that heavily rely on subjective judgment and often yield non-reproducible results. This is precisely where Chrosziel's TPA (Target Precision Analyzer) comes into play: a high-precision digital testing system that delivers reproducible measurement results in under two minutes—standardized, documented, and independent of the inspector.

A new standard in optical quality inspection.

The TPA redefines optical quality testing: mobile, efficient, and above all, objective. Instead of relying on modular systems with numerous variants, Chrosziel offers a well-designed complete solution in a single standardized version.

This covers all relevant measurement parameters for testing afocal systems.



Diopters
Magnification
Field of view
Parallax

Technology for precise results.

By combining high-resolution camera technology, motorized target and camera units, and digital test logging, even complex tests — such as parallax measurement at variable target distances— can be performed quickly, accurately, and reproducibly, all without the need for reconfiguration.

Ready to use and user-friendly

The TPA is ready for use from the very first moment: preconfigured, intuitively operable, and optimized for development, quality assurance, and series testing. A guided testing process with a few clear steps ensures consistently consistent and transparently documented results— independent of the user, reproducible, and traceable at any time.



One System. Multiple Mounts. No Compromises.

From compact to large-diameter riflescopes – the Chrosziel TPA comes equipped with precisely machined mounts for all common tube sizes. Changing mounts takes just seconds and requires no tools. Out-of-the-box flexibility for smooth, efficient testing across your entire product range.



Special Features

- ✓ Complete test procedure in less than 2 minutes
- ✓ Automatic test object recognition via QR code (manual test object setup is also possible)
- ✓ Individually configurable testing procedure
- ✓ Digital documentation of all results in a test report

Features

- ✓ Closed & mobile measuring unit
- ✓ Digital test report
- ✓ Parallax measurement
- ✓ Inspection of cleanliness
- ✓ Own Software

Measurements

- ✓ Diopters / Sharpness
- ✓ Magnification
- ✓ Field of view
- ✓ Parallax
- ✓ Dirty, defective, or damaged reticles
- ✓ Axial alignment (via click adjustment)



Fast & Digital

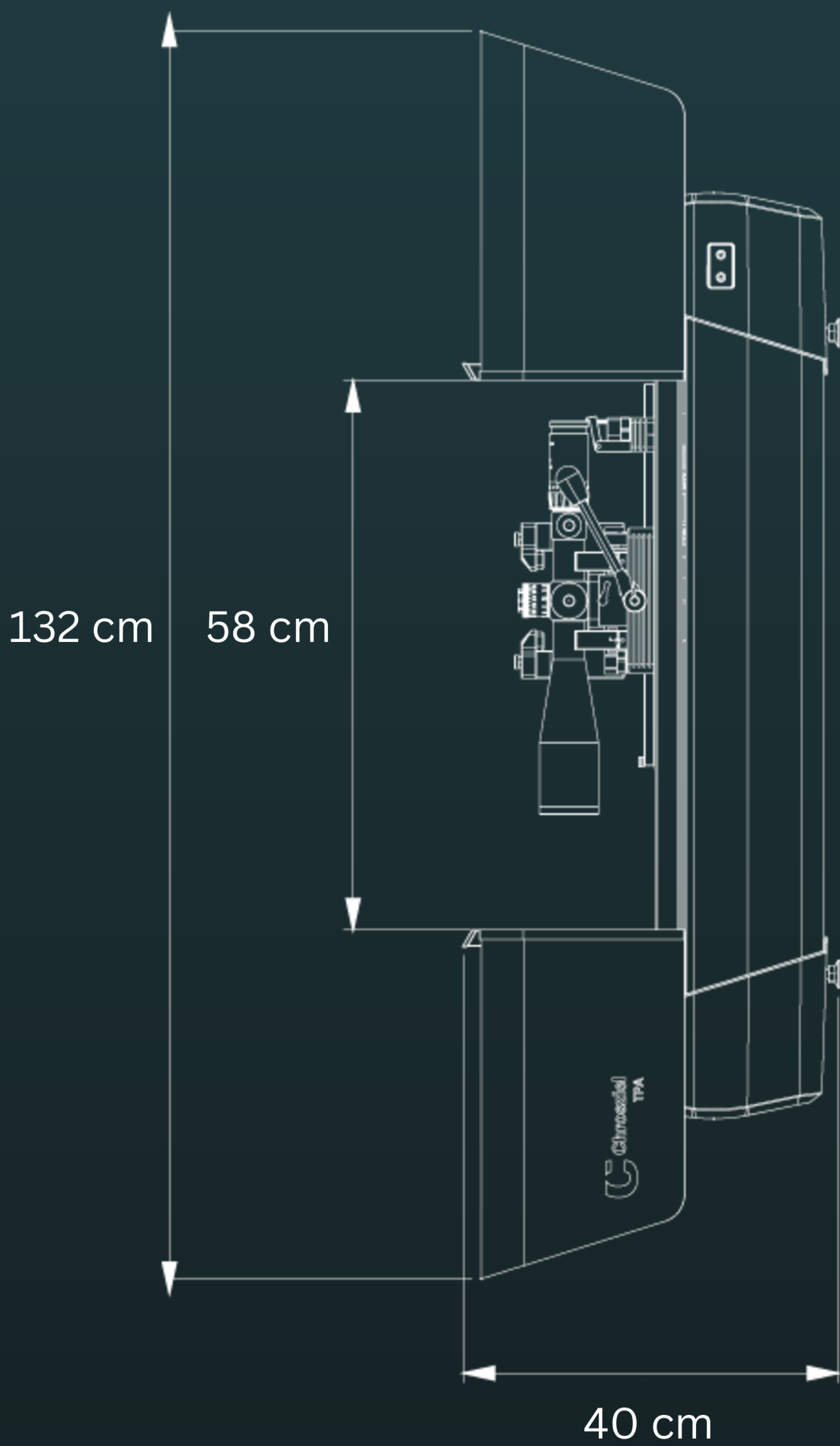
Complete optical testing in under two minutes – digital, efficient, and fully documented

Seamless Integration

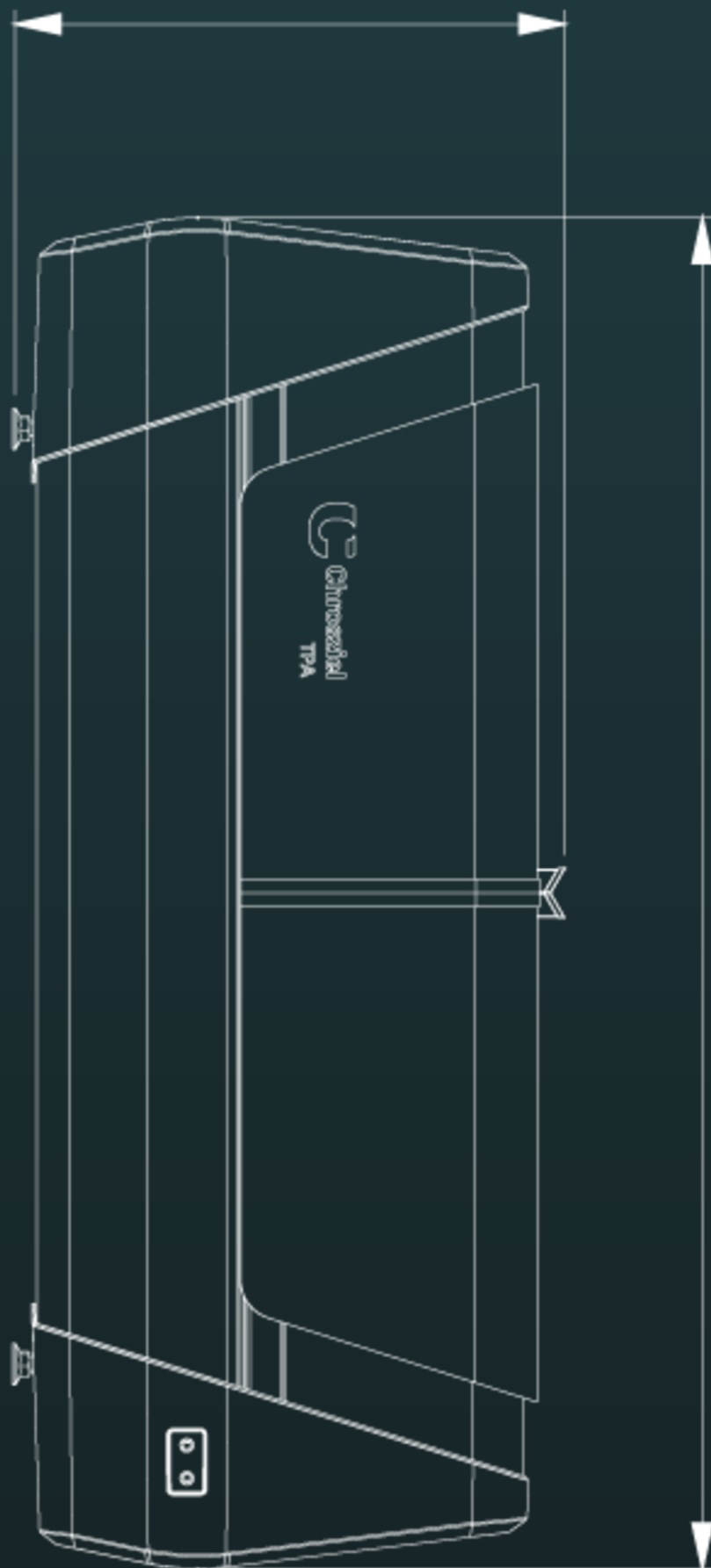
Fits effortlessly into your workflow – from R&D to final inspection.
No customization or complex setup required.

Built for Every Scope

Exchangeable mounts ensure reliable testing across a wide range of scope sizes and configurations.

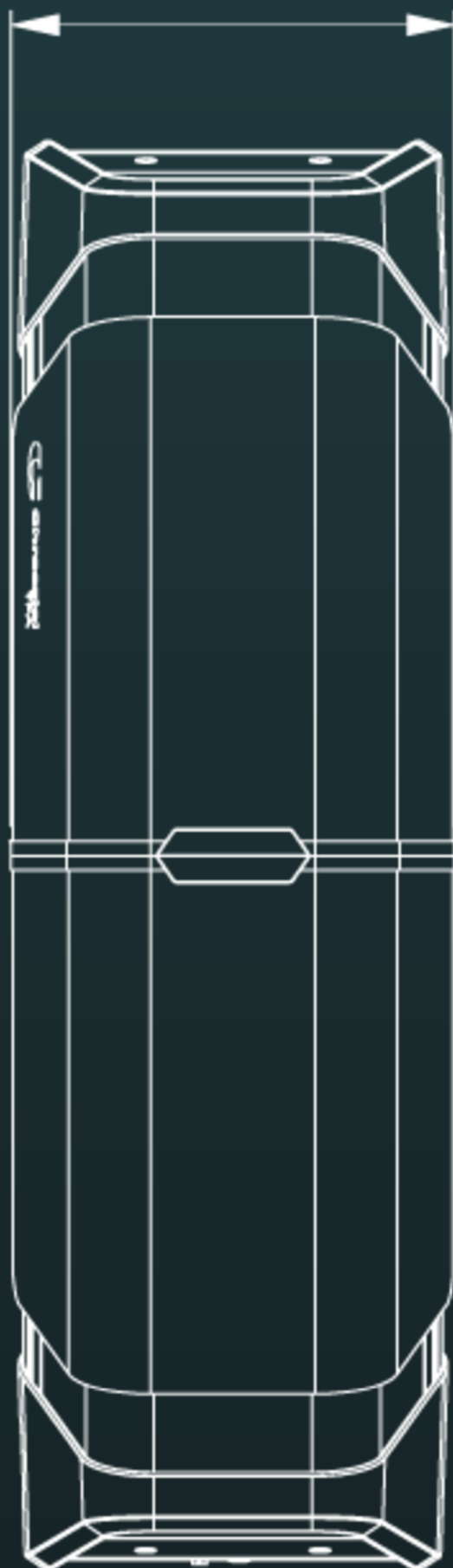


40 cm

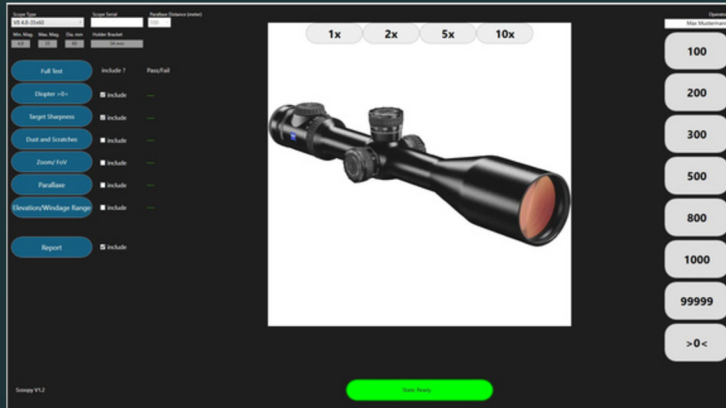


99 cm

31 cm



Software

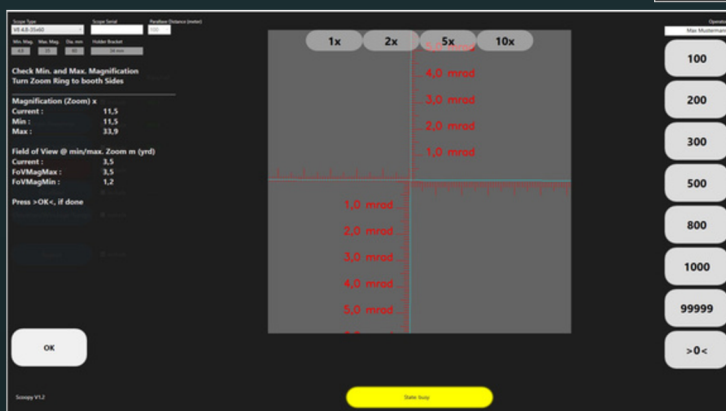
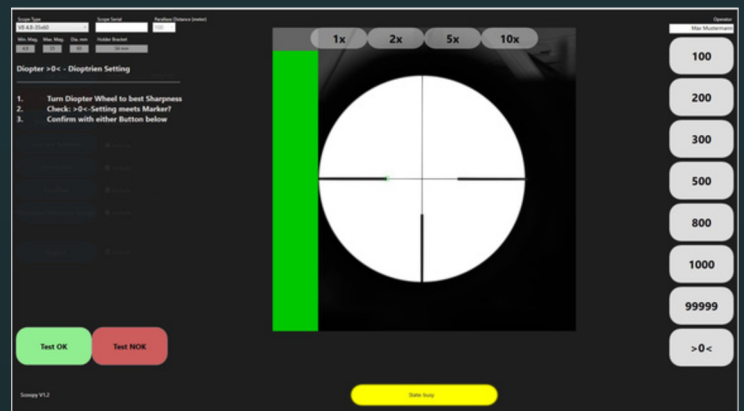


Everything in one place.

From the first click, the workflow is clear. All steps, all results – intuitive, structured, ready to go.

Guided, not complicated.

The system leads you through the entire test – no guesswork, no manual input needed.



Clarity without complexity.

Every result is visual, live and precise – so you see exactly what matters.

Documented. Traceable. Done.

All results are recorded automatically and ready to export – so nothing gets lost.





Target Precision Analyzer

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