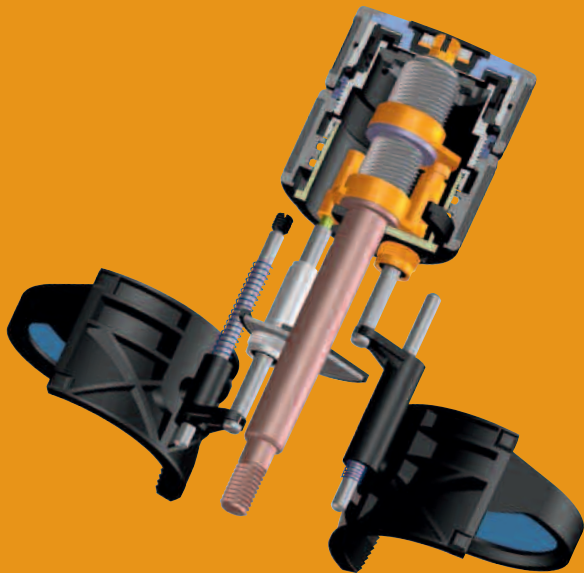


## Consistently smooth focusing – whatever the temperature

The mechanics for the Ultravid HD focusing have been further refined. As a result, focusing is even smoother and remains free of play across the entire range. Optimized material pairings and gliding discs made from extremely tough, high-performance plastic are used. In cold conditions, the conventional greased focusing mechanisms sometimes only work with difficulty, and at higher temperatures they move too freely. Furthermore, these focusing mechanisms can feel “sticky”, and at higher temperatures there is even the danger that grease can escape and run on the lens. With the optimized Leica focus, these risks have been eliminated. In the new Ultravid HD models, it works practically without any lubricants. So even in extreme temperatures, it is always fully functional – with a constantly optimum degree of smoothness.



my point of view



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Leica innovations

New ideas for even better visibility



New ideas for even better visibility Leica represents innovation. Our own outstanding achievements in terms of lenses and mechanics are being continuously monitored and the standards set even higher. Which is why Leica binoculars and spotting scopes are always “state of the art”. Our latest innovations are proving this once more – Leica HD and APO lenses bring you impressively even closer still to nature. The sum total of new innovative features therefore makes the binoculars of the new Leica Ultravid HD generation and the new Leica Televid 65 and 82 models (HD + APO) first-choice products.

## Fluoride lenses

With the help of new fluoride (FL) glass, in Leica HD and APO models the color fidelity and contrast of images is further improved. Optical FL lenses are to a large part made up of calcium fluoride, a mineral with a crystalline structure. Unlike conventional optical lenses, this creates a very low level of dispersion (light scattering) and corrects aberration (imaging errors) significantly better. So as a result, the viewing experience is more natural and impressive than it has ever been before.

## Imitating nature: Leica AquaDura™

The models of binocular and spotting scopes with the new HD and APO lenses are now fitted with Leica AquaDura™, a “hydrophobic coating” which with its water and dirt-repelling properties, ensures clear visibility even in poor weather conditions. As with the leaves of the lotus plant, droplets of rain simply roll off the lens, and fingerprints and dirt particles are much easier to remove. In addition, thanks to its increased abrasion resistance, Leica AquaDura™ will protect your valuable lenses from damage even more effectively.



LEICA ULTRAVID 8 x 42 HD



LEICA APO-TELEVID 82 angled



left: Without fluoride lenses, troublesome color fringing can occur, and so contrast and sharpness appear weakened.  
right: The new optical **Leica FL lenses** reduce color effects to a minimum – and so nature is rendered clearly and without distortion.

In a direct comparison on a Leica test binocular, the advantage of **Leica AquaDura™** is made particularly clear: On the coated objective on the right the rain rolls off; in contrast, on the uncoated lens on the left, rain drops and dirt remain attached.

