FIVE FEATURES FOR BETTER PERFORMANCE

The ML Binova concept contains a wide range of frames and product categories. See below the five most interesting features.

1. WIDE POWER RANGE

ML Binova is available in standard powers from +1.0 D up to +16 D. It's also possible to order ML Binova with individual prescription. With high addition and short reading distance, cylinder power is often not important to correct. Even small differences between right and left eye are acceptable for most people. Therefore, standard solutions works fine also for cylinder powers or small differences between right and left eye.

2. PRISM OPTICS

High addition means reading at a short distance, and a higher demand on convergence, which might cause eye strain. That's why all ML Binova have a built in prism to reduce the convergence need.

For the lower standard powers, we assume that the patient is close to emmetrope and calculate the convergence prism based on the power. When the power increases, we assume that the patient is a bit hyperope, see chart below.
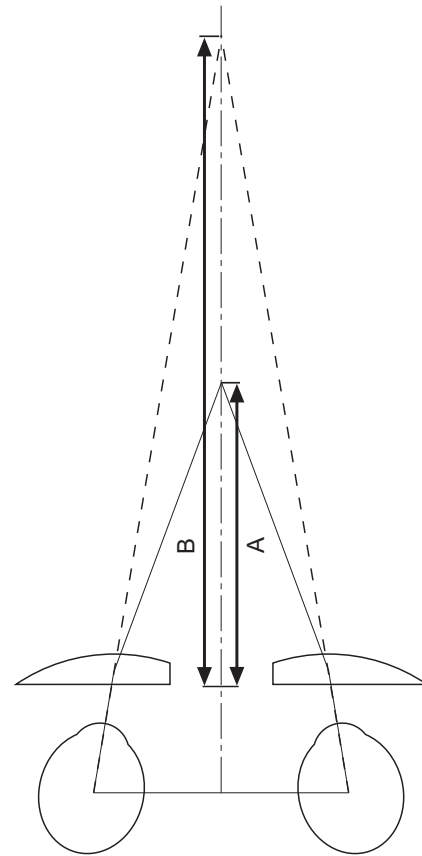

Illustration 1 shows the focusing distance (A) and the convergence distance (B).
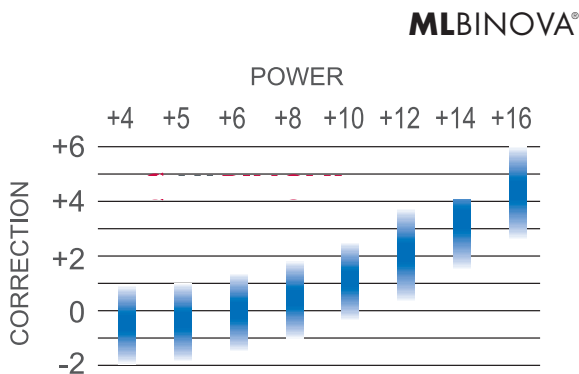
MLBINOVA®

Chart 1 demonstrates the recommended correction for each power of ML Binova Easy and ML Binova Pro. At other distance corrections, ML Binova RX should be selected.

Because of the convergernce prism in ML Binova, the wearer can use binocular vision even with short reading distances down to 10 cm. In table 1 and illustration 1, you can see how the concept works.

The pupillary distance is insignificant when ordering ML Binova. The reason is that the larger convergence need a person with large PD have, the more prism effect is achieved. The opposite principle applies with a small PD.

Dioptres	Distance A	Distance B
+4	25.0 cm	35 cm
+5	20.0 cm	30 cm
+6	16.7 cm	25 cm
+8	12.5 cm	21 cm
+10	10.0 cm	18 cm

In table 1, example distances are shown.

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