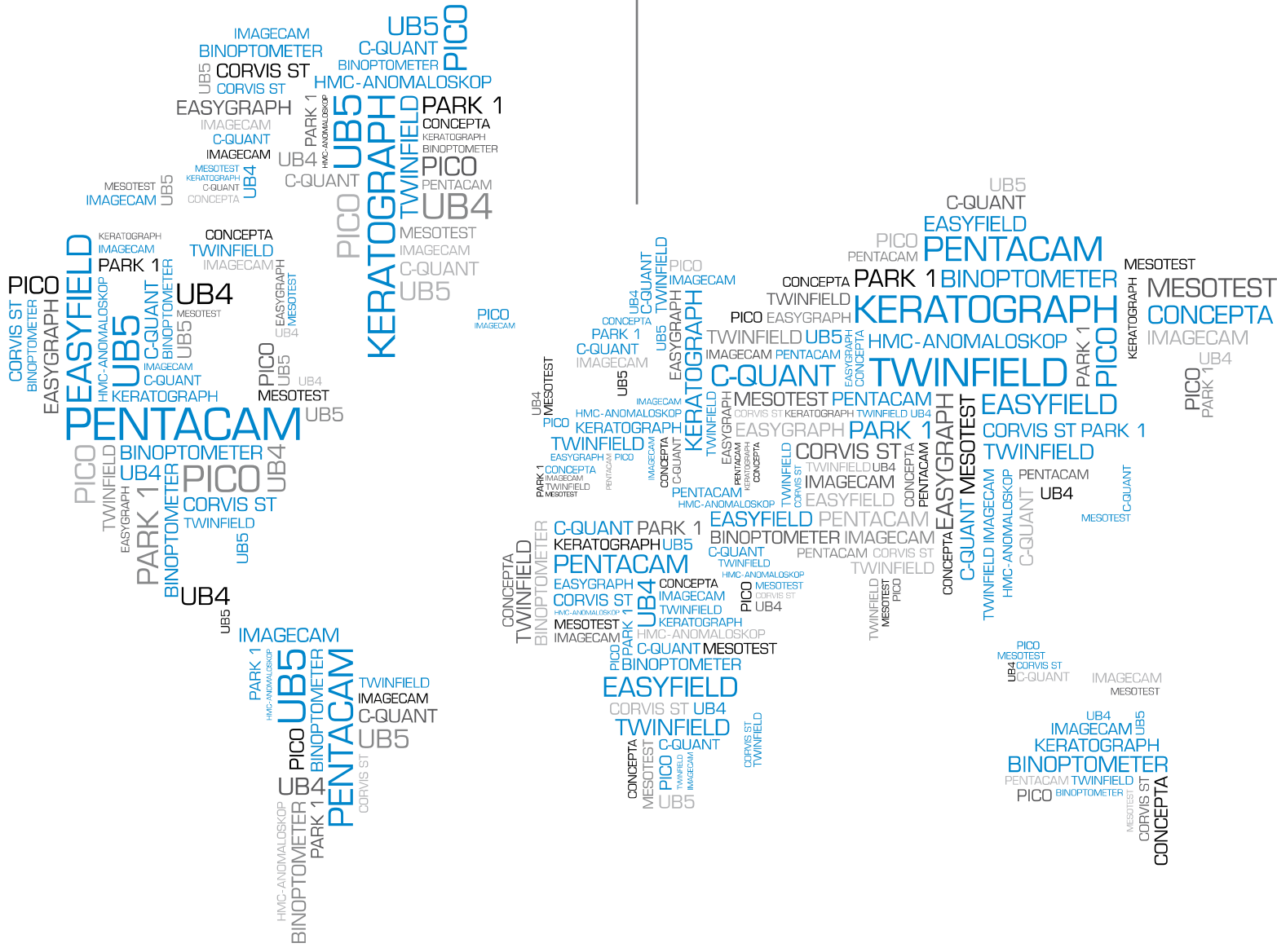
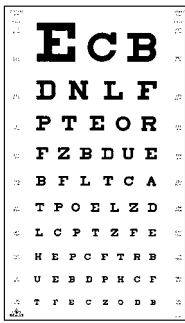


OCULUS

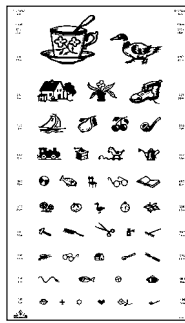
General Catalogue



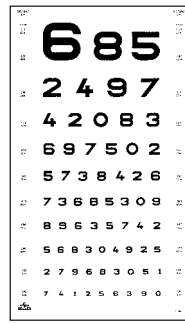
We focus on progress



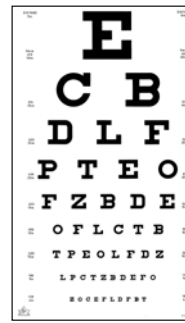
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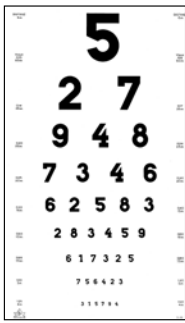
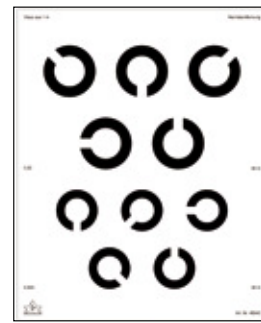
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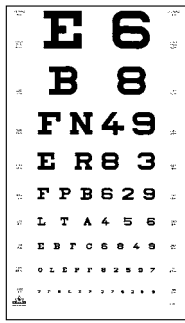
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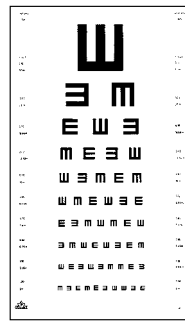
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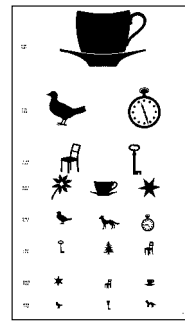
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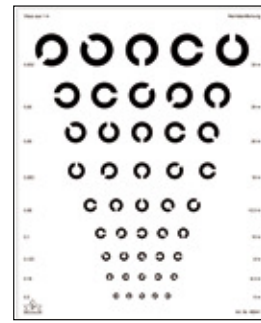
4634



4692



4693



46940 Set

OCULUS Eye Charts

The design of the eye charts is oriented to the last digit of the order number (3, 6). Please add the last digit of the order number of the eye chart when placing an order.

V = visual acuity values at 5 m testing distance (the visual acuity values for 6 m testing distance are also given on the charts except for on chart 4693, where they are only given for 5 m). Version 3 = on paper; version 6 = plastic-coated; dimensions approx. 290 x 490 mm

4601	Letters, available in versions 3 and 6 V = 0.125 – 1.0
4603	Pictures for children, available in versions 3 and 6 V = 0.125 – 1.0
4606	Numerals, available in versions 3 and 6 V = 0.125 – 1.0
4611	Letters, available in versions 3 and 6 V = 0.10 – 1.25

4616	Numerals, available in versions 3 and 6 V = 0.10 – 1.25
4634	Numerals, letters, available in versions 3 and 6; V = 0.125 – 1.66
4692	E-hook, available in versions 3 and 6 V = 0.10 – 1.0
4693	Pictures for children acc. to Löhlein, available in versions 3 and 6; V = 0.2 – 1.0
46940	Set of eye charts (contents two charts) Visus < 0.2 m (DIN 58220), plastic coated, testing distance 1 m Dimensions: 360 x 455 mm

When making orders, the order number should be stated in full including the final digit. Whenever specific information is missing we deliver version 6, plastic-coated.

Would you have known?

This high-end, high-precision instrument made of 163 individual parts is fashioned by hand with painstaking craftsmanship: the UB 4 universal trial frame by OCULUS!

All other trial frames are subjected to extensive quality control after assembly as well in order to meet the high demands made on quality and reliability.





OCULUS UB 4 Universal Trial Frame

Universal trial frames by OCULUS are familiar to anyone who is involved in prescribing lenses for eyeglasses.

Our high-end model UB 4 offers:

- Ergonomically optimized user elements for cylinder axis, PD, nose height and bow adjustment
- Quick change of trial lenses thanks to optimized lens holder
- New mix of skin-friendly materials, affords smooth handling
- Contemporary design

42500 Universal trial frame made of light metal/plastic (grey-blue) for five pairs of lenses 38 mm in dia., R/L adjustable PD (48 – 80 mm), vertex distance scale, height-adjustable nose piece, bow length and inclination adjustable, flexible and bendable ear pieces

45880 Polarization filters (analyzers) for lateral mount on UB 4, height adjustment notches for near and distance vision testing, pivotable and rotatable (45°/135°), without midline partition

45881 Polarization filters (analyzers) same as 45880 (90°/180°)

Subjective refraction – with the help of the patient

The support and cooperation of the patient is indispensable when it comes to determining subjective refraction. The decisive question posed by the examiner is: "Which setting do you see better with?"

This examination is conducted using a phoropter or a trial frame. Use of a trial frame in connection with trial lenses offers the following advantages:

- The reaction of the subject can be observed while the lenses are being changed, which gives the examiner important additional information.
- Special trial frames are available for children and subjects with narrow heads.
- Mobile use of the trial frame is possible, for example when house visits are made.
- Individual adjustment to the anatomy of the patient's head is possible, which is maintained even when the head moves.

Sets of trial lenses to match the trial frame come in various numbers and strengths. There are small sets in a case which can be used for performing refractions outside the office and sets with over 80 different lenses which allow for carrying out demanding refractions easily, even those involving prismatic correction.

There are also additional instruments adapted to the trial frames and lenses which complement the instruments necessary for individual refraction.



OCULUS Universal Trial Frame UB 3

42180 Universal trial frame made of light metal/plastic (black) for five pairs of lenses 38 mm in dia., R/L adjustable PD (48 – 80 mm), vertex distance scale, height-adjustable nose piece, adjustable bow length and inclination

45851 Polarization filters by Hegener, rotatable, for direct placement on UB 3 (45°/135°)



OCULUS Practice Frames

42580 Practice frame made of light metal/plastic (grey), for three pairs of lenses 38 mm in dia., PD adjustable from 59 to 67 mm, rigid nose piece, adjustable bow length

42588 Practice frame same as 42580 with adjustable nose piece

42480 Practice frame for children made of light metal/plastic (grey) for three pairs of lenses 38 mm in dia., PD adjustable from 54 to 58 mm, rigid nose piece, adjustable bow length

42488 Practice frame for children same as 42480 with adjustable nose piece



OCULUS Trial Lens Cases, BK line

Lenses in the BK line have a rim diameter of 38 mm (lens diameter 21 mm).
For use with trial frames UB 3, UB 4 and practice frames.

OCULUS Trial Lens Cases BK 1

33180 Trial lens case BK 1/T, table version in grey-white with roll top, without trial frame

Contents:

- 35 pairs each +/- sph 0.12 to 20 D
- 17 pairs each +/- cyl 0.25 to 6 D
- 10 prism trial lenses
- 2 coloured lenses
- 2 cross hair lenses
- 1 occluder
- 1 plano lens
- 1 pinhole disc 1.25 mm
- 1 stenopaic slit 1.25 mm
- 1 Maddox cylinder, red
- 1 frosted lens

Dimensions: 578x475x155 mm (WxDxH)
Weight: approx. 7.5 kg

331801 Same as 33180, coated

33181 Trial lens case same as 33180, without plus cylinder

331811 Same as 33181, coated

33184 Trial lens case BK 1/T, without lenses, with lens tray

33280 Trial lens case BK 1/W, wall version in grey-white with roll top, without trial frame

Contents: Same as 33180 (type BK 1/T)
Dimensions: 578x155x475 mm (WxDxH)
Weight: approx. 7.5 kg

332801 Same as 33280, coated

33281 Trial lens case same as 33280, without plus cylinder

332811 Same as 33281, coated

33284 Trial lens case BK 1/W, without lenses, with lens tray

33182 Trial lens set BK 1, without lens tray

331821 Same as 33182, coated

33183 Trial lens set BK 1, without plus cylinder, without lens tray

331831 Same as 33183, coated

33185 Lens tray for BK 1
Dimensions: 545x401x36 mm (WxDxH)

33480



33106



OCULUS Trial Lens Cases BK 2

33480 Trial lens case BK 2, beechwood case with lens tray and handle, without trial frame

Contents:

- 20 pairs each +/- sph 0.25 to 12 D
- 10 pairs each +/- cyl 0.25 to 3 D
- 5 prism trial lenses
- 2 coloured lenses
- 1 occluder
- 1 pinhole disc 1.25 mm
- 1 Maddox cylinder, red

Dimensions: 378 x 255 x 255 mm (WxDxH)
Weight: approx. 2 kg

334801 Same as 33480, coated

33481 Trial lens case same as 33480, without plus cylinder

334811 Same as 33481, coated

33482 Trial lens set BK, without lens tray

334821 Same as 33482, coated

33483 Trial lens set BK 2, without plus cylinder, without lens tray

334831 Same as 33483, coated

33484 Trial lens case BK 2, without lenses, with lens tray

33485 Lens tray for BK 2

OCULUS Prism Lens Cases

33106 Prism lens case
Beechwood case with lens tray

Contents:

- 72 prism trial lenses
 - 0.25 to 20 PD in four different base positions (4°/13°/225°/31°)
 - All lenses coated
- Dimensions: 378 x 255 x 255 mm (WxDxH)
Weight: approx. 2 kg

33107 Prism lens set, coated, same as 33106 without lens tray

33108 Lens tray for prism lens set
Dimensions: 357 x 234 x 23 mm (WxDxH)

33109 Prism lens case, without lenses, with lens tray



OCULUS Trial Lens Case BK X/O

33101 Trial lens case BK X/O (acc. to Kochniss) in grey-white with roll top, without plus cylinder, all lenses coated

Contents:

- 56 pairs spherical trial lenses +0.25 to +20 D
- 45 pairs spherical trial lenses -0.25 to -20 D
- 20 pairs cylindrical trial lenses, axis positions for 0° left and 0° right, -0.25 to -6.0 D
- 20 pairs cylindrical trial lenses, axis positions for 135° left and 45° right, -0.25 to -6.0 D
- 20 pairs cylindrical trial lenses, axis positions for 90° left and 90° right, -0.25 to -6.0 D
- 22 pairs prism lenses (base positions for out and up resp.; 135° left/45° right) 0.25 to 20 PD
- 22 pair prism lenses (base positions for in and down resp.; 315° left/225° right) 0.25 to 20 PD

Special lenses:

- 1 occluder
- 2 plano lenses
- 1 pinhole disc 1.25 mm
- 1 pinhole disc 2.0 mm
- 1 frosted lens
- 2 sph +0.37 D (for gradal RD-lenses by Zeiss)
- 1 +0.25 D and +0.5 D each
- 1 -0.25 D and -0.5 D each

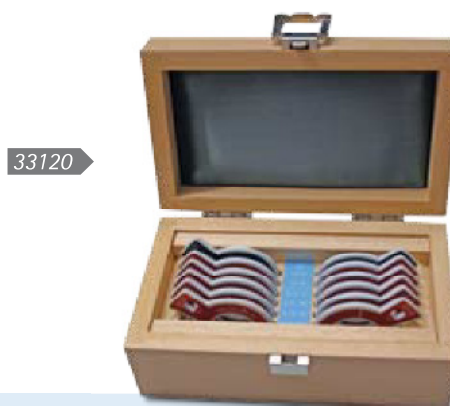
Dimensions: 595 x 485 x 390 mm (W x D x H);
Weight: approx. 19.8 kg; angle of tilt 28°

Due to specification of cylindrical trial lenses according to axis position the rotation knobs are always up and out on either side during the refraction procedure. It is also possible to change the trial lenses with polarizing filters mounted.

Note: The arrangements of the axis positions are analogous to those of the prism base positions!

33103 Trial lens set X/O, without plus cylinder, without lens tray

33104 Trial lens case BK X/O, without lenses, with lens tray



OCULUS Trial Lens Case BK F

33120 Trial lens case BK F for spherical and cylindrical fine adjustment, all lenses coated

Contents:

- 2 +0.12 sph
 - 2 -0.12 sph
 - 2 -0.12 cyl axis 0°
 - 2 -0.12 cyl axis 45°
 - 2 -0.12 cyl axis 90°
 - 2 -0.12 cyl axis 135°
- Dimensions: 137 x 79 x 59 mm (W x D x H)



OCULUS Trial Lenses, individual (for BK line)

When ordering please specify D/PD.

34080	Plano or sph up to 10 D, 38 mm
34081	Plano or sph up to 10 D, 38 mm, coated
34180	sph over 10 D, 38 mm
34181	sph over 10 D, 38 mm, coated
34280	cyl up to 6 D (axis 90°), 38 mm
34281	cyl up to 6 D, coated (axis 90°)*, 38 mm
34380	Prism lens up to 10 PD (base 0°), 38 mm
34381	Prism lens up to 10 PD, coated (base 0°)*, 38 mm
34480	Prism lens over 10 PD (base 0°), 38 mm
34481	Prism lens over 10 PD, coated (base 0°)*, 38 mm

Special lenses	
0134001400RF	Coloured lens, red, 38 mm
0134001400GF	Coloured lens, green, 38 mm
0134001700CL	Cross hair (centering cross), 38 mm
0134001301PH	Pinhole disc 1.25 mm, 38 mm
0134001302PH	Pinhole disc 2.0 mm, 38 mm
01340015000S	Stenopaic slit 1.25 mm, 38 mm
0134001400FL	Frosted lens, 38 mm
0134001800MR	Maddox cylinder red, 38 mm
0134001600BL	Occluder, 38 mm
35170	Dark-red lens, 38 mm
34670	Striated lens (Bagolini), 38 mm.

* Additional axis and base positions on request.

Request our extensive individual brochures for the BK line!
Individual trial lenses can be re-ordered.



42550



42550

+

45884

OCULUS Universal Trial Frame UB 5

42550 Universal trial frame for small heads. Made of light metal/plastic (grey with coloured knobs) for five pairs of lenses 28 mm in dia., R/L adjustable PD (40-72 mm), vertex distance scale, height-adjustable nosepiece, bow length and inclination adjustable, flexible and bendable ear pieces

45884 Polarizing filters (analyzers) for lateral mount on UB 5, height-adjustment notches for distance and near vision testing, pivotable and rotatable (45°/135°), can be set at 0°/90°, without midline partition

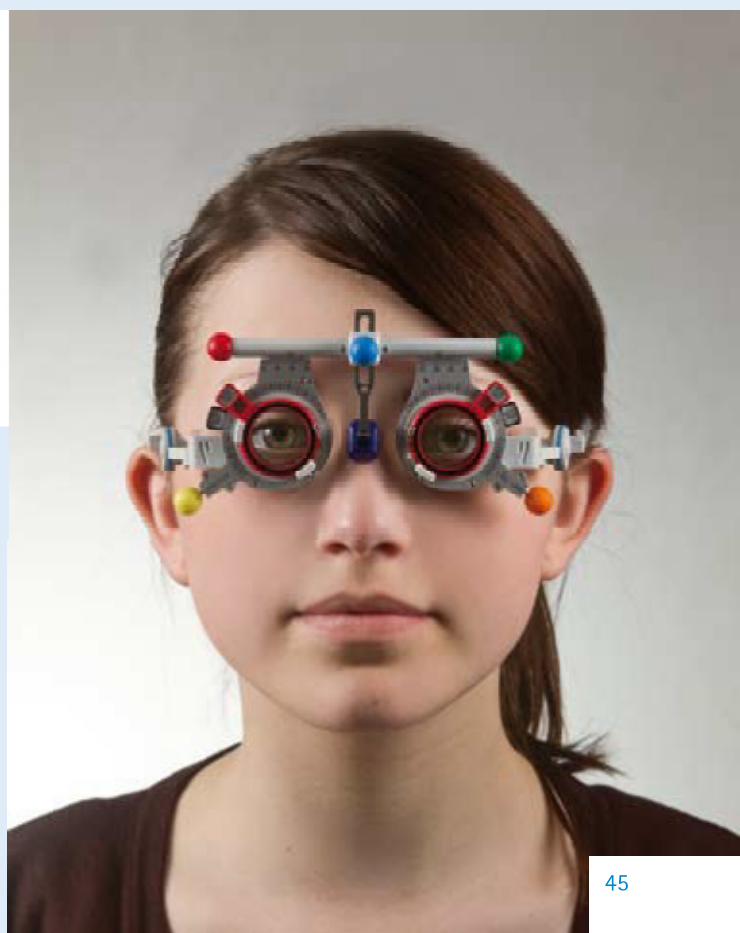


42550

+

45885

45885 Polarizing filters (analyzers) for lateral mount on UB 5, height-adjustment notches for distance and near vision testing, pivotable and rotatable (45°/135°), without midline partition





OCULUS Trial Lens Cases, BK S-line

The lenses in the BK S-line have a rim diameter of 28 mm (lens diameter 21 mm). Suitable for trial frame UB 5.

OCULUS Trial Lens Cases BK S1/T

33190	Trial lens case type BK S1/T, table version in grey-white, with roll top, without trial frame Contents: <ul style="list-style-type: none"> ■ 35 pairs each +/- sph 0.12-20 dpt ■ 17 pairs each +/- cyl 0.25-6 dpt ■ 10 prism lenses ■ 2 coloured lenses ■ 2 plano with cross hair ■ 1 occluder ■ 1 plano lens ■ 1 pinhole disc 1.25 mm ■ 1 stenopaic slit 1.25 mm ■ 1 Maddox cylinder red ■ 1 frosted lens Dimensions: 578 x 475 x 155 mm (W x D x H) Weight: approx. 8 kg
331901	Same as 33190, coated lenses
33191	Trial lens case same as 33190, without convex cylinder lenses
331911	Same as 33191, coated lenses
33194	Trial lens case type BK S1 without contents, without lenses, with tray
33195	Tray for BK S1 Dimensions: 397 x 359 x 28 mm (W x D x H)
33196	Trial lens case BK S1 W without lenses, with tray

(Replacement lenses may be ordered individually)

OCULUS Trial Lens Cases BK S1/W

33197	Trial lens case type BK S1/W, wall-mounted case in grey-white, with roll top, without trial frame Contents: same as 33190 (type BK 1/T) Dimensions: 578 x 155 x 475 mm (W x D x H) Weight: approx. 8 kg
331971	Same as 33197, coated lenses
33198	Trial lens case same as 33197, without convex cylinder lenses
331981	Same as 33198, coated lenses
33192	Trial lens set BK S1, without tray
331921	Same as 33192, coated lenses
33193	Trial lens set BK S1, without convex cylinder lenses, without tray
331931	Trial lens set BK S1 without cylinder lenses

(Replacement lenses may be ordered individually)

33490



OCULUS Trial Lens Cases BK S2

33490 Trial lens case type BK S2, case with fixed tray and grip, without trial frame

Contents:

- 20 pairs each +/-sph 0.25 - 12 dpt
- 10 pairs each +/-cyl 0.25 - 3 dpt
- 5 prism lenses
- 2 coloured lenses
- 1 occluder
- 1 pinhole disc 1,25 mm
- 1 Maddox-cylinder red

Dimensions: 378x255x55 mm (WxDxH)

Weight: approx. 2 kg

334901 Same as 33490, coated lenses

33491 Trial lens case same as 33490, without convex cylinder lenses

334911 Same as 33491, coated lenses

334912 Trial lens case BK S2 B without cylinders

33492 Trial lens set BK S2, without case

334921 Same as 33492, coated lenses

33493 Trial lens set BK S2, without convex cylinder lenses, without tray

334931 Same as 33493, coated lenses

33494 Trial lens case type BK S2, without lenses, with tray

33495 Tray for BK S2
Dimensions: 357x234x30 mm (WxDxH)

(Replacement lenses may be ordered individually)

33501



OCULUS Trial Lens Cases BK S3

33501 Trial lens case type BK S3, case with fixed tray and grip, without trial frame

Contents:

- 32 pairs each + sph 0.12 - 14 dpt
- 32 pairs each - sph 0.12 - 15 dpt
- 16 pairs each - cyl 0.25 - 5 dpt
- 11 pairs each prism lenses
- 0.25 - 12 dpt base 0° and 180°
- 2 coloured lenses
- 2 planos with cross hair
- 1 occluder
- 1 plano lens
- 1 pinhole disc 1.25 mm
- 1 stenopaic slit, 1.25 mm
- 1 maddox-cylinder red
- 1 frosted lens

Dimensions: 378x255x55 mm (WxDxH)

Weight: approx. 2.43 kg

335011 Same as 33501, coated lenses

33503 Trial lens set BK S3, without tray

335031 Same as 33503, coated lenses

33504 Trial lens case type BK S3, without lenses, with tray

33505 Tray for BK S3
Dimensions: 357x234x32 mm (WxDxH)

(Replacement lenses may be ordered individually)

33116



OCULUS Trial Lens Case S

The diameter of the lenses BK S-Set is 28 mm (glass diameter 21 mm).

33116	Small wooden case with tray, 72 prism lenses 0.25–20 dpt in four different bases (45° / 135° / 225° / 315°) all lenses coated Dimensions: 200x205x54 mm (WxDxH) Weight: approx. 2 kg
33117	Prism lens set S, coated, same as 33116 without tray and case
33118	Tray for prism lens set; also fits in BK S1

(Replacement lenses may be ordered individually)

OCULUS Trial Lenses, single (for BK S-line)

When ordering please specify D/PD.

34090	Plano or sph up to 10 D, 28 mm
34091	Plano or sph up to 10 D, 28 mm, coated
34190	sph over 10 D, 28 mm
34191	sph over 10 D, 28 mm, coated
34290	cyl up to 6 D (axis 90°), 28 mm
34291	cyl up to 6 D, coated (axis 90°), 28 mm
34390	Prism lens up to 10 PD (base 0° or 180°), 28 mm
34391	Prism lens up to 10 PD, coated (base 0° or 180°)*, 28 mm
34490	Prism lens over 10 PD (base 0° or 180°), 8 mm
34491	Prism lens over 10 PD, coated (base 0° or 180°)*, 28 mm

Special lenses

0134501400RF	Coloured lens, red, 28 mm
0134501400GF	Coloured lens, green, 28 mm
0134501700CL	Cross hair (centering cross), 28 mm
0134501301PH	Pinhole disc 1.25 mm, 28 mm
0134501500SS	Stenopaic slit 1.25 mm, 28 mm
0134501400FL	Frosted lens, 28 mm
0134501800MR	Maddox cylinder, red, 28 mm
0134501600BL	Occluder, 28 mm

* Additional base positions upon request.

Request our extensive individual brochures for the BK S-line!

36620



Spherical Balance Lenses

with handle, coated

36610	sph +/-0.12 dpt
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36620	sph +/-0.25 dpt
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36640	sph +/-0.50 dpt
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36730



Vario-Cross Cylinders

36730	Vario-cross cylinders (by Reiner), effect adaptable +/-0.25 D and +/-0.50 D, super-coated
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36740



Jackson Cross Cylinders

with handle, coated

36710	+/-0.12 dpt
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36720	+/-0.25 dpt
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36740	+/-0.50 dpt
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36780	+/-1.00 dpt
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49700



Retinoscopy Mirror

49700	Retinoscopy mirror, 45 mm dia.
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48110



Retinoscopy Bars

48110	Retinoscopy bars with slider (by Trousseau), in case made of light metal and fiberglass reinforced plastic, 1 plus retinoscopy bar, 1 minus retinoscopy bar, each from 0.5D to 10D in 0.5-D increments and from 10D to 20D in 1-D increments, uncoated
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36600



Spherical Balance Bar

36600	Refraction bar, sph +/-0.25 and +/-0.50 D, uncoated
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