

Sport lenses



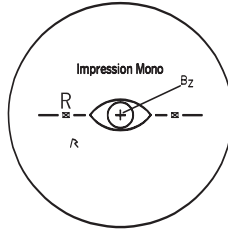
Single-vision Sport lenses

Impression Mono Sport Perfalit 1.6

Innovation:

The world's first individual single-vision sport lens!

- Individual single-vision lens with maximum possible correction for sports active spectacle wearers
- Best possible imaging properties thanks to whole-area correction of the aberration
- Consistent calculation for the position of wear over the whole lens
- Very high vision comfort due to inclusion of the individual parameters such as PD, face form angle and frame and fitting data
- Up to 30% thinner than conventional plastic lenses
- Cosmetically advantageous due to lower edge and centre thicknesses



Horizontal lens axis: ∞
 Symbol in front of BC engraving: S
 Symbol in front of nasal engraving: -

Delivery range (main meridian)

| extra curved | clip-in | basic curved |
|----------------|----------------|--|
| $\leq 75/85$ | $\leq 70/75$ | $\leq 65/70$ $\leq 70/75$ $\leq 75/80$ |
| +4.00 -4.00 | +6.00 -6.00 | +8.00 +6.00 -8.00 -8.00 +4.00 -4.00 |
| Cyl to +4,0 | Cyl to +4,0 | Cyl to +4,0 |

Please use the Rodenstock order form to order and give all the individual parameters.

extra curved



clip-in



basic curved



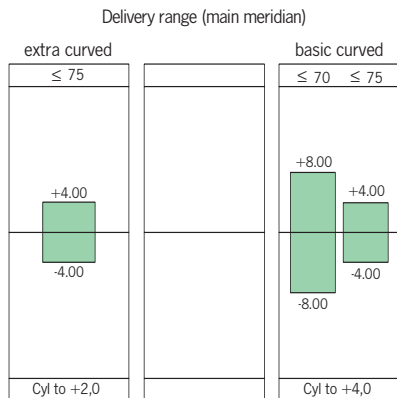
| | extra curved IMKE | clip-in IMKC | basic curved IMKB |
|----------------------------|-----------------------------|------------------------|-----------------------------|
| SPH/TOR | \leq dia. 80 | \leq dia. 70 | \leq dia. 75 |
| Pair price in \$ | incl. coating | incl. coating | incl. coating |
| Sport tint | ✓ | | ✓ |
| Hardened | | | |
| Solaire | ✓ | ✓ | ✓ |
| Solaire Topcoat | ✓ | ✓ | ✓ |
| Back AR | | | |
| Mirror coating | | | |
| | | | |
| | | | |

Single-vision Sport lenses

Perfalit 1.6 Sport

The standard among sports lenses in index 1.6.

- Optimum correction for sports active spectacle wearers
- Consistent calculation for the position of wear
- High vision comfort due to inclusion of the individual parameters such as PD, face form angle and frame and fitting data
- Up to 30% thinner than conventional plastic lenses
- Cosmetically advantageous thanks to lower centre and edge thickness



Please use the Rodenstock order form to order and give all the individual parameters.

extra curved



basic curved



| | extra curved | | basic curved |
|----------------------------|-----------------------------|--|-----------------------------|
| | extra curved IPEE | | basic curved IPEB |
| SPH/TOR | ≤ dia. 75 | | ≤ dia. 70 |
| Pair price in \$ | incl. coating | | incl. coating |
| Sport tint | ✓ | | ✓ |
| Hardened | | | |
| Solitaire | ✓ | | ✓ |
| Solitaire Topcoat | ✓ | | ✓ |
| Back AR | | | |
| Mirror coating | | | |
| | | | |
| | | | |

Single-vision Sport lenses

Perfaltit Sport ColorMatic/ColorMatic Contrast 1.52

| | | | |
|---------------------|--------|--------|-----------|
| ColorMatic Extra | Brown | 15/85* | <u>EB</u> |
| ColorMatic Extra | Grey | 15/85* | <u>EG</u> |
| ColorMatic Contrast | Orange | 40/85* | <u>CO</u> |

ColorMatic 1.52

Adapting to changing light conditions

- Optimum correction for sports active spectacle wearers
- Consistent calculation for the position of wear
- High vision comfort due to inclusion of the individual parameters such as PD, face form angle and frame and fitting data

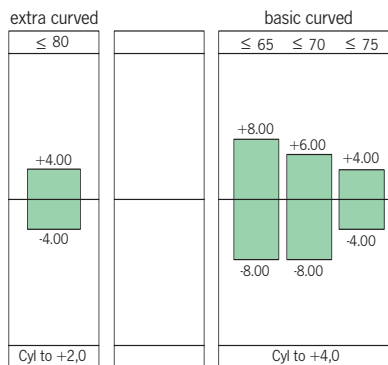
ColorMatic Contrast 1.52

Unique: contrast-enhancing and photochromic

- The ideal lens for all outdoor activities
- Threefold plus: contrast-enhancing, photochromic, perfect UV protection
- Tints from Orange 40% to Brown 85%

Please use the Rodenstock order form to order and give all the individual parameters.

Delivery range (main meridian)



* Real values determined indoors (faded) or at 20°C in the mid-day sun (darkened)

extra curved



basic curved



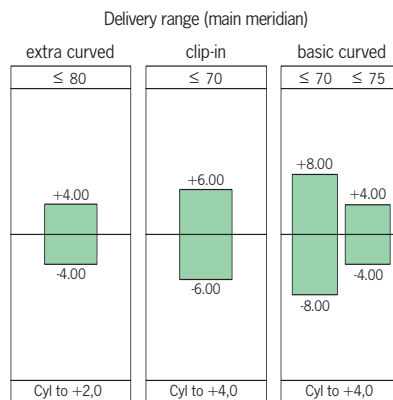
| | extra curved IPIEEB/IPIEEG | | basic curved IPIBEB/IPIBEG |
|----------------------------|--|--|---|
| SPH/TOR | ≤ dia. 80 | | ≤ dia. 75 |
| Pair price in \$ | ColorMatic incl. coating | | ColorMatic incl. coating |
| Pair price in \$ | IPECO ColorMatic Contrast incl. coating | | IPIBCO ColorMatic Contrast incl. coating |
| Sport tint | | | |
| Hardened | | | |
| Solitaire | ✓ | | ✓ |
| Solitaire Topcoat | | | |
| Back AR | | | |
| Mirror coating | | | |
| | | | |
| | | | |

Single-vision Sport lenses




Perfalit 1.5 Sport

The standard among sports lenses

- Optimum correction for sports active spectacle wearers
- Consistent calculation for the position of wear
- Optimised for the position of wear
- High vision comfort due to inclusion of all individual parameters such as PD, face form angle and the frame and fitting data



Please use the Rodenstock order form to order and give all the individual parameters.

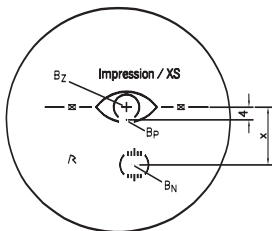
| | extra curved | clip-in | basic curved |
|----------------------------|---|---|--|
| |  |  |  |
| | extra curved IPIE | clip-in IPIC | basic curved IPIB |
| SPH/TOR | ≤ dia. 80 | ≤ dia. 70 | ≤ dia. 75 |
| Pair price in \$ | incl. coating | incl. coating | incl. coating |
| Sport tint | ✓ | | ✓ |
| Hardened | | ✓ | |
| Solitaire | ✓ | ✓ | ✓ |
| Solitaire Topcoat | | | |
| Back AR | ✓ | | ✓ |
| Mirror coating | ✓ | | ✓ |
| | Optionally | | |
| Pair price in \$ | IPIEXX w/o coating | IPICXX w/o coating | IPIBXX w/o coating |
| Sport tint incl. | ✓ | | ✓ |

Progressive Sport lenses

Impression Sport Perfalit 1.6

Extremely successful!
The world's first individual single-vision sport lens
now also in 1.6 index!

- Individual progressive lens with back surface progression
- Ideal correction thanks to optimisation for position of wear
- Designed especially for the needs of athletes
- The distance zone important for sports is larger than with all-round progressive lenses
- Very high vision comfort due to inclusion of all individual parameters and frame and fitting data
- Precise inset position
- Up to 30% thinner than conventional plastic lenses
- Cosmetically advantageous due to lower edge and centre thicknesses
- Very high mechanical resistance



| | extra curved | clip in |
|-----------------------------------|--------------|----------|
| Horizontal lens axis: | ∞ | ∞ |
| Symbol in front of BC engraving: | S | S |
| Symbol in front of add engraving: | None | X |
| Progressive zone length x: | 18 mm | 14 mm |
| Minimum edging height: | 20 mm | 16 mm |

Delivery range (main meridian)

| extra curved | clip-in | basic curved |
|----------------|----------------|--|
| $\leq 75/85$ | $\leq 70/75$ | $\leq 65/70$ $\leq 70/75$ $\leq 75/80$ |
| +4.00 -4.00 | +6.00 -6.00 | +8.00 +6.00 -8.00 -8.00 +4.00 -4.00 |
| Cyl to +4,0 | Cyl to +4,0 | Cyl to +4,0 |

Addition Impression Sport 1.00 to 2.50
All diameters also available as centred

- Please note the near zone of 60 cm matched to sports activities

Please use the Rodenstock order form to order and give all the individual parameters.

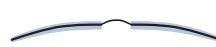
extra curved



clip-in



basic curved



| | extra curved IIKE | clip-in IIKC | basic curved IIKB |
|-------------------|----------------------|-----------------|----------------------|
| SPH/TOR | \leq dia. 80 | \leq dia. 70 | \leq dia. 75 |
| Pair price in \$ | incl. coating | incl. coating | incl. coating |
| Sport tint | ✓ | | ✓ |
| Hardened | | | |
| Solitaire | ✓ | ✓ | ✓ |
| Solitaire Topcoat | ✓ | ✓ | ✓ |
| Back AR | | | |
| Mirror coating | | | |
| | | | |
| | | | |

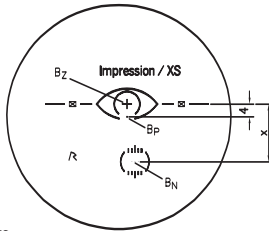
Progressive Sport lenses

Impression Sport Perfaltit 1.5

Extremely successful!

The world's first individual single-vision sport lens

- Individual progressive lens with back surface progression
- Ideal correction thanks to optimisation for position of wear
- Designed especially for the needs of athletes
- The distance zone important for sports is larger than with all-round progressive lenses
- Very high vision comfort due to inclusion of all individual parameters and frame and fitting data
- Precise inset position



- Please note the near zone of 60 cm matched to sports activities

| | extra curved basic curved | clip in |
|-----------------------------------|------------------------------|----------|
| Horizontal lens axis: | ∞ | ∞ |
| Symbol in front of BC engraving: | S | S |
| Symbol in front of add engraving: | None | X |
| Progressive zone length x: | 18 mm | 14 mm |
| Minimum edging height: | 20 mm | 16 mm |

Delivery range (main meridian)

| extra curved | clip-in | basic curved | | |
|----------------|----------------|----------------|----------------|----------------|
| $\leq 75/85$ | $\leq 70/75$ | $\leq 65/70$ | $\leq 70/75$ | $\leq 75/80$ |
| +4.00 -4.00 | +6.00 -6.00 | +8.00 -8.00 | +6.00 -8.00 | +4.00 -4.00 |
| Cyl to +4,0 | | Cyl to +4,0 | | |

Addition Impression Sport 1.00 to 2.50
All diameters also available as centred

Please use the Rodenstock order form to order and give all the individual parameters.

extra curved



clip-in



basic curved



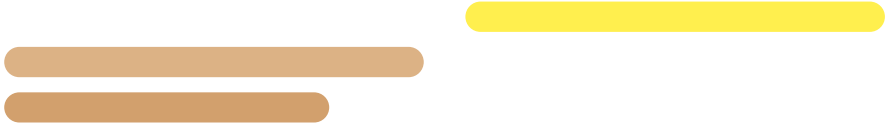
| | extra curved IPE | clip-in IIPC | basic curved IIPB |
|-------------------|----------------------|-----------------------|-----------------------|
| SPH/TOR | \leq dia. 75/85 | \leq dia. 70/75 | \leq dia. 75/80 |
| Pair price in \$ | incl. coating | incl. coating | incl. coating |
| Sport tint | ✓ | | ✓ |
| Hardened | | ✓ | ✓ |
| Solitaire | ✓ | ✓ | ✓ |
| Solitaire Topcoat | | | |
| Back AR | ✓ | | ✓ |
| Mirror coating | ✓ | | ✓ |
| Pair price in \$ | IPEXX w/o coating | IIPCXX w/o coating | IIPBXX w/o coating |
| Sport tint incl. | ✓ | | ✓ |

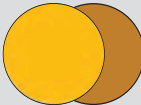
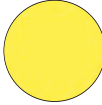
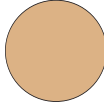
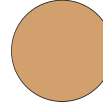

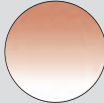
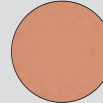

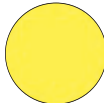
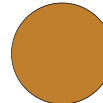


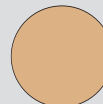
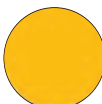
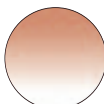
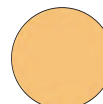

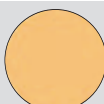
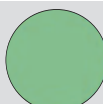
Tint recommendations for individual types of sport

Type of sport



All types of sport






| Tint selection | Absorption | Filter category | UV protection up to | Overview for tint selection |
|---------------------|------------|-----------------|---------------------|--|
| ColorMatic Contrast | 40/85% | 1-3 | 400nm |  ColorMatic Contrast |
| Yellow Luna | 15% | 0 | 380nm* |  |
| Harvest Brown | 75% | 2 | 400nm |  |
| Country Brown | 85% | 3 | 400nm |  |
| Sunrise Orange | 40% | 1 | 400nm |  |
| Twilight Red | 10/75% | 2 | 400nm |  |
| Indian Summer | 75% | 2 | 400nm |  |
| Sunrise Orange | 40% | 1 | 400nm |  |
| Yellow Luna | 15% | 0 | 380nm* |  |
| Sienna Brown | 80% | 2 | 400nm |  |
| Yellow Luna | 15% | 0 | 380nm* |  |
| Tundra Brown | 65% | 2 | 400nm |  |
| Harvest Brown | 75% | 2 | 400nm |  |
| Sunrise Orange | 40% | 1 | 400nm |  |
| Twilight Red | 10/75% | 2 | 400nm |  |
| Tundra Brown | 65% | 2 | 400nm |  |
| Sunrise Orange | 40% | 1 | 400nm |  |
| Tundra Brown | 65% | 2 | 400nm |  |
| Oasis Green | 85% | 3 | 400nm |  |

All tints are suitable for traffic signal recognition.

All tints with the exception of Yellow Luna are not suitable for night driving.

* Yellow Luna offers UV protection up to 350 nm on index 1.5 and up to 380 nm on index 1.6

Three lens versions for every sports frame

| | extra curved | clip-in | basic curved |
|--------------------------|---|--|---|
| |  |  |  |
| Suitability | For frames with a pronounced curvature | For frames with support-frame system | For frames with only a slight curvature |
| Technical details | Face form angle (up to approx. 25°) High front surface curvature (BC 8) Power range: Up to 4.0 D up to cyl +4.0 D Prism: where technically feasible | Face form angle (up to approx. 20°) Adapted base curve Power range: Up to 6.0 D cyl 42.0 D Prism: where technically feasible | Face form angle (up to approx. 15°) Normal base curve Power range: Up to 8.0 D cyl +4.0 D Prism: where technically feasible |

Ordering in three easy steps

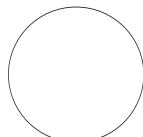
| | |
|---|--|
| 1) Checklist | <ul style="list-style-type: none"> • Sports frame selected and glazable? • Sports lenses selected? • Sports frame has been pre-fitted? • All individual parameters have been determined? • Diameter availability checked? |
| 2) Determining the order parameters (mandatory values for the order) | <ul style="list-style-type: none"> • Prescription values • Lens type, tint and coating • Interpupillary distance (PD in mm) • Face form angle (FFA in °) • Pantoscopic tilt (PT in °; for Impression Sport) • Corneal vertex distance (CVD in mm) • Frame and fitting data (using boxing system) • Provide a trace of demo lens or frame shape for measuring |
| 3) Placing the order | Optionally through: <ul style="list-style-type: none"> • Rodenstock order form |

- Please use the Rodenstock order form for the uncomplicated processing of your lens order.

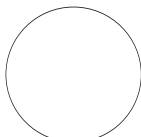
Lens tints and their effect in sports

| | | |
|---------------------------------|---|---|
| Red |  | Has a stimulating and exciting effect; speeds up the metabolism; but also generates aggression. Too much red can also cause discomfort. |
| Blue |  | Has a very soothing effect on the nervous system. Slows down breathing and the pulse. |
| Green |  | Influences the vegetative nervous system. In combination with a contrast-enhancing effect, green shades appear yellower and so have a more positive effect than pure green or green with a bluer portion. |
| Yellow |  | Has a positive, optimistic effect; puts joy back into life. Brightening effect; releases blocks with phobias (e.g. fog). |
| Orange |  | The most stimulating colour. Feelgood colour. Orange is used a lot in high-performance sports. Speeds up the motor system. |
| Brown |  | Brown should always be used in connection with a contrast-enhancing effect since this has high portions of yellow/orange. |
| Grey |  | A neutral colour which is hardly used in sports. Reduces contrast, particularly in twilight. |
| Contrast-enhancing tints |  | These colours are all yellowish and filter the scattered blue light portion of daylight to the ideal degree and permit higher contrast vision. Colours and details have a very natural effect. |

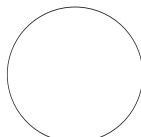
Coating



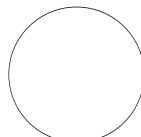
Hardened
TH



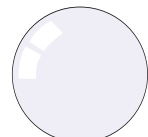
Solitaire
TS



Back AR
TR



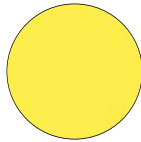
Solitaire TopCoat
TC



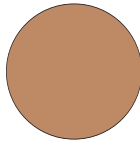
Silver Moon
TM
(Mirror coating)

Sport tint overview for index 1.5 and 1.6

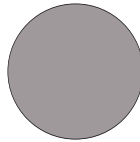
Standard



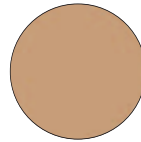
Yellow Luna
T03
(Yellow 15%)



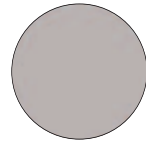
Moor Brown
NEW T66
(Brown 85%)



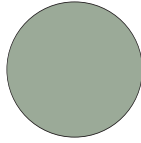
Rock Grey
NEW T84
(Grey 85%)



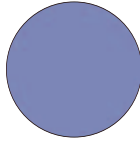
Taiga Brown
T60
(Brown 75%)



Grey Shadow
T81
(Grey 75%)

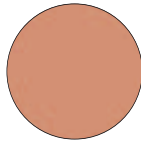


Deep Forest
NEW T44
(Green Pilot 85%)

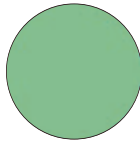


Black Night
T80
(Fashion Black 90%)

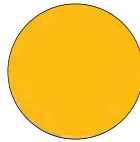
SunContrast Index 1.6 **NEW**



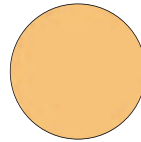
Indian Summer
T01
(SC drive 75%)



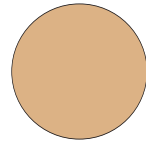
Oasis Green
T40
(SC green 85%)



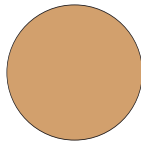
Sunrise Orange
T02
(SC orange 40%)



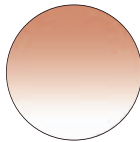
Tundra Brown
T61
(SC amber 65%)



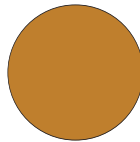
Harvest Brown
NEW T65
(SC brown 75%)



Country Brown
NEW T64
(SC brown 85%)

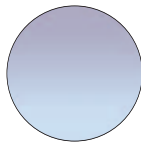


Twilight Red
T04
(SC drive 10/75%)

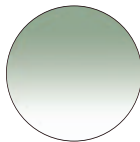


Sienna Brown
NEW T67
(SC amber 80%)

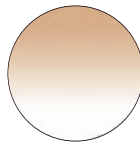
Graduated tint



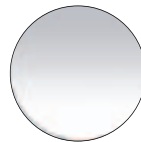
Twilight Black Blue
T23
(Skyline Blackblue)



Twilight Green
T43
(Green 10/85%)



Twilight Brown
T63
(Brown 10/75%)

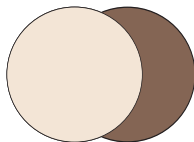


Twilight Grey
T83
(Grey 10/75%)

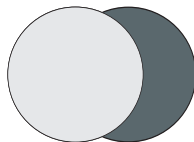


Twilight Black Camel
NEW T85
(Skyline BlackCamel)

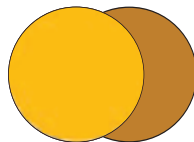
ColorMatic Index 1.52



Brown
_EB



Grey
_EG



Contrast Orange
_CO

- All absorption stages above 50% have UV protection at least up to 380 nm.
- All SunContrast tints and Black Night have UV protection up to 400 nm.
- Differences in colour can occur due to the presentation forms of the colour samples.
- With the exception of Yellow Luna, none of the tints are suitable for night driving.