a|BeamExpander

BAM25-150-X-355

The a|BeamExpander is a monolithic laser accessory with just one aspheric lens for the highest level of precision. Experience nearly endless possibilities with up to 32× beam magnification and optimized performance for different design wavelengths [355 nm / 532 nm / 632 nm / 780 nm / 1064 nm].

Key Benefits:

= Design wavelength: 355 nm, magnification: 1.5

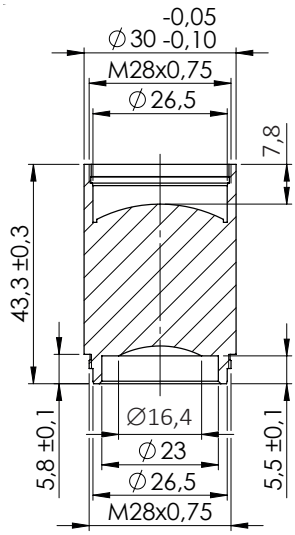
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

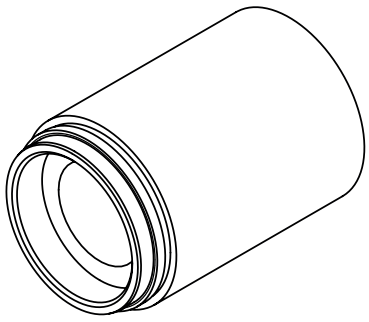
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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a|BeamExpander

BAM25-175-X-355

The a|BeamExpander is a monolithic laser accessory with just one aspheric lens for the highest level of precision. Experience nearly endless possibilities with up to 32× beam magnification and optimized performance for different design wavelengths. [355 nm / 532 nm / 632 nm / 780 nm / 1064 nm].

Key Benefits:

= Design wavelength: 355 nm, magnification: 1.75

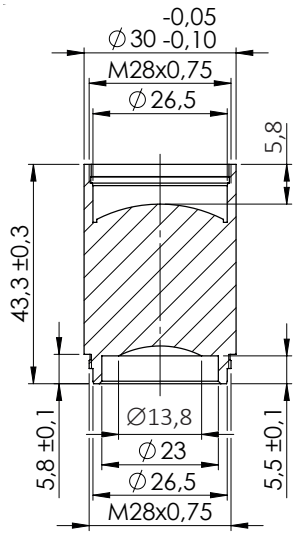
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

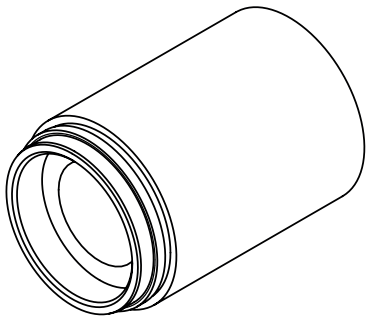
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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a|BeamExpander

BAM25-200-X-355

The a|BeamExpander is a monolithic laser accessory with just one aspheric lens for the highest level of precision. Experience nearly endless possibilities with up to 32× beam magnification and optimized performance for different design wavelengths. [355 nm / 532 nm / 632 nm / 780 nm / 1064 nm].

Key Benefits:

= Design wavelength: 355 nm, magnification: 2.0

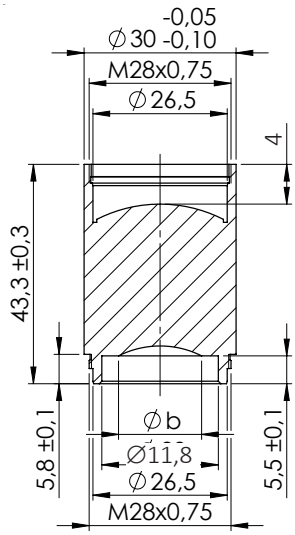
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

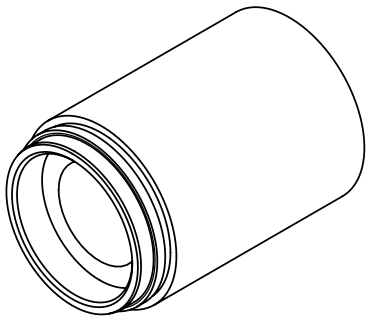
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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a|BeamExpander

BAM25-150-A-532

The a|BeamExpander is a monolithic laser accessory with just one aspheric lens for the highest level of precision. Experience nearly endless possibilities with up to 32× beam magnification and optimized performance for different design wavelengths. [355 nm / 532 nm / 632 nm / 780 nm / 1064 nm].

Key Benefits:

= Design wavelength: 532 nm, magnification: 1.5

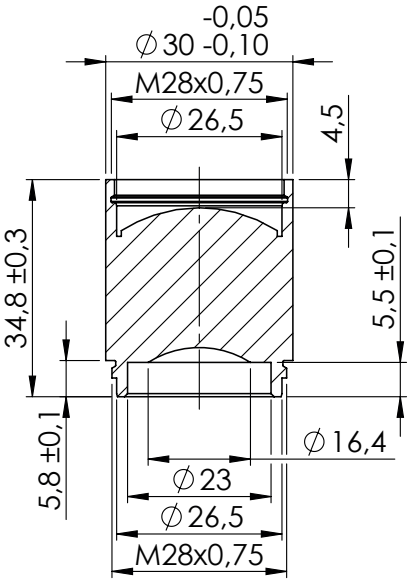
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

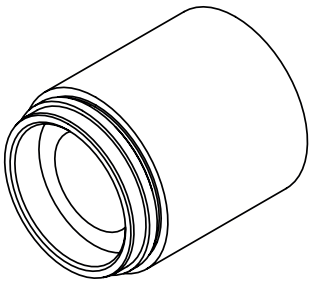
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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a|BeamExpander

BAM25-175-A-532

The a|BeamExpander is a monolithic laser accessory with just one aspheric lens for the highest level of precision. Experience nearly endless possibilities with up to 32× beam magnification and optimized performance for different design wavelengths. [355 nm / 532 nm / 632 nm / 780 nm / 1064 nm].

Key Benefits:

= Design wavelength: 532 nm, magnification: 1.75

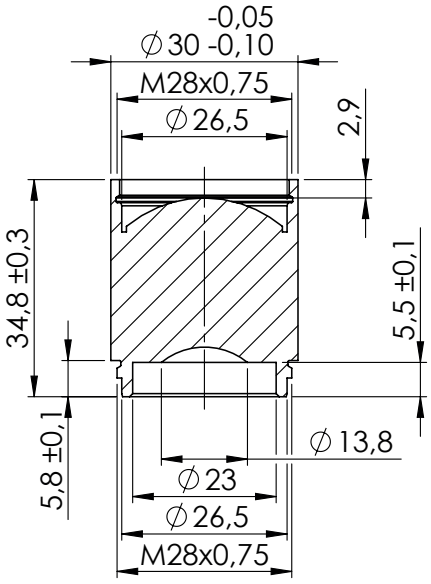
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

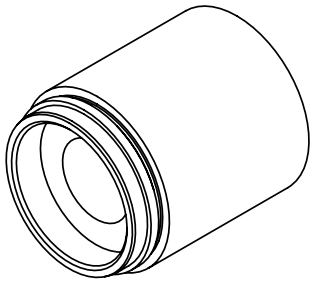
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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BAM25-200-A-532

The a|BeamExpander is a monolithic laser accessory with just one aspheric lens for the highest level of precision. Experience nearly endless possibilities with up to 32× beam magnification and optimized performance for different design wavelengths [355 nm / 532 nm / 632 nm / 780 nm / 1064 nm].

Key Benefits:

= Design wavelength: 532 nm, magnification: 2.0

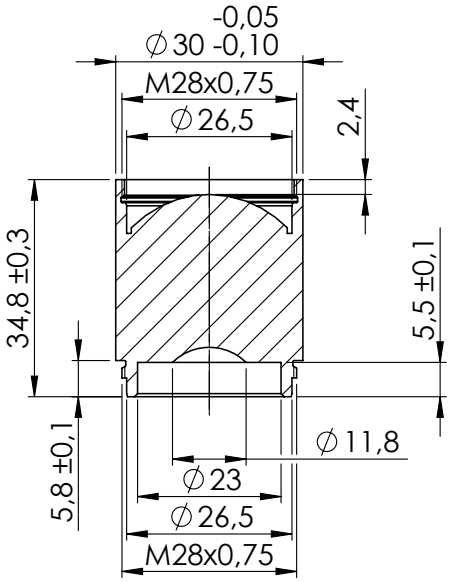
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

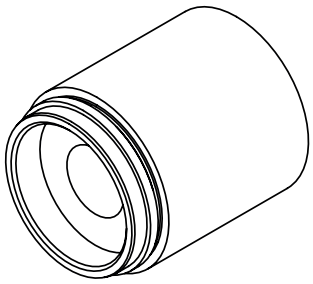
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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a|BeamExpander

BAM25-150-B-632

The a|BeamExpander is a monolithic laser accessory with just one aspheric lens for the highest level of precision. Experience nearly endless possibilities with up to 32× beam magnification and optimized performance for different design wavelengths [355 nm / 532 nm / 632 nm / 780 nm / 1064 nm].

Key Benefits:

= Design wavelength: 632 nm, magnification: 1.5

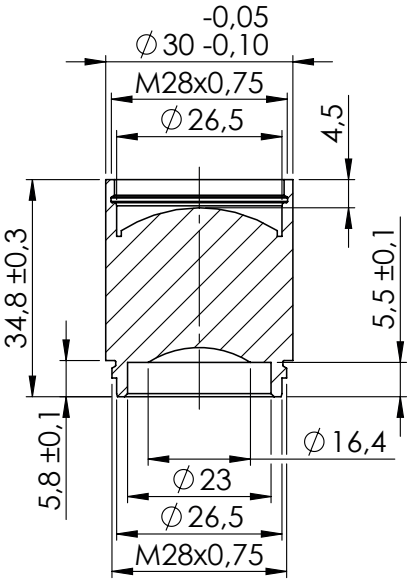
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

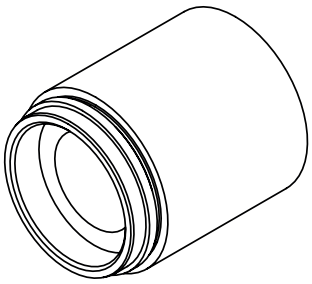
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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BAM25-175-B-632

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Key Benefits:

= Design wavelength: 632 nm, magnification: 1.75

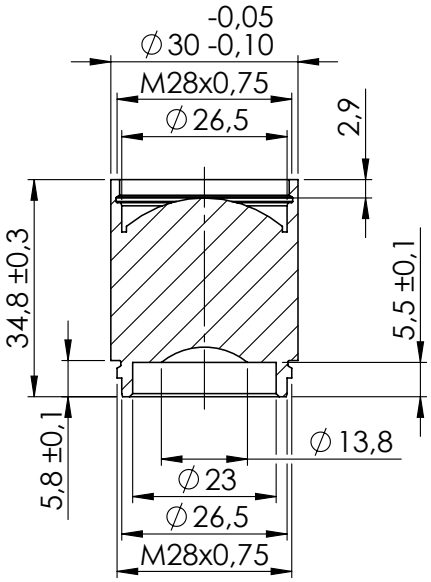
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

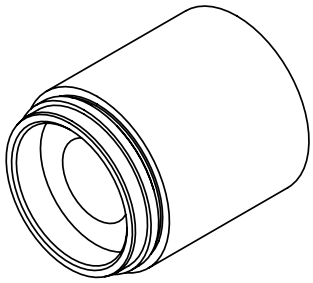
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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BAM25-200-B-632

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Key Benefits:

= Design wavelength: 632 nm, magnification: 2.0

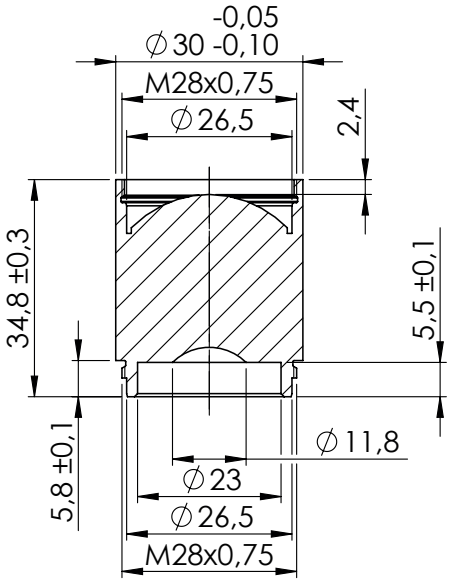
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

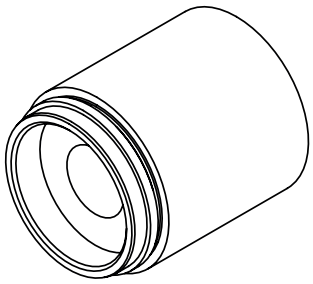
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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a|BeamExpander

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BAM25-150-B-780

The a|BeamExpander is a monolithic laser accessory with just one aspheric lens for the highest level of precision. Experience nearly endless possibilities with up to 32× beam magnification and optimized performance for different design wavelengths [355 nm / 532 nm / 632 nm / 780 nm / 1064 nm].

Key Benefits:

= Design wavelength: 780 nm, magnification: 1.5

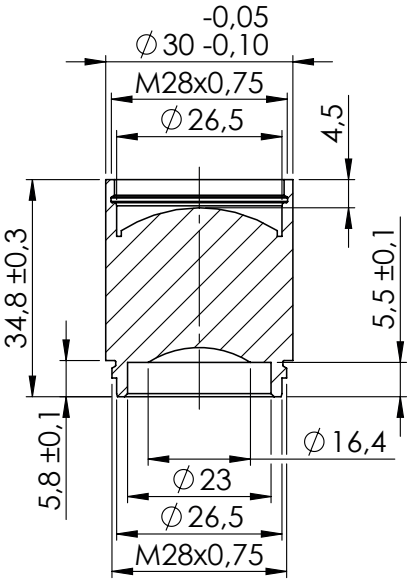
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

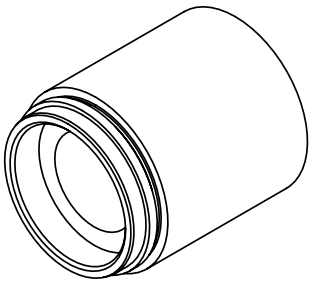
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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BAM25-175-B-780

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Key Benefits:

= Design wavelength: 780 nm, magnification: 1.75

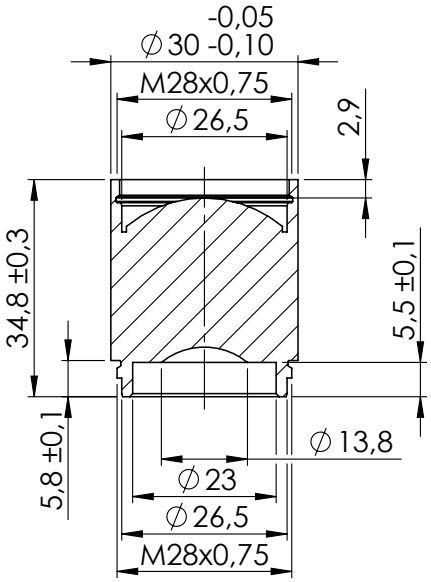
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

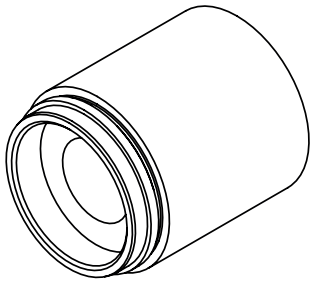
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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BAM25-200-B-780

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Key Benefits:

= Design wavelength: 780 nm, magnification: 2.0

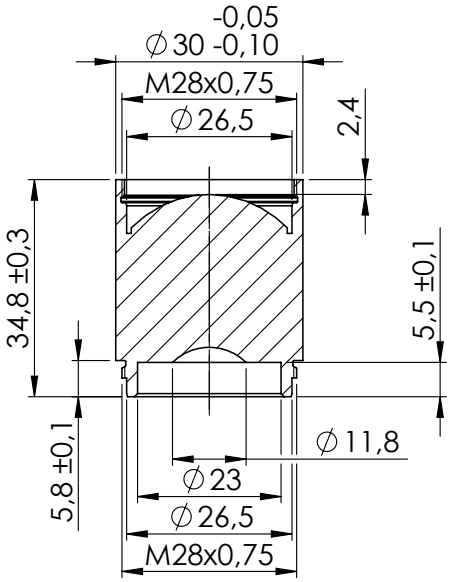
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

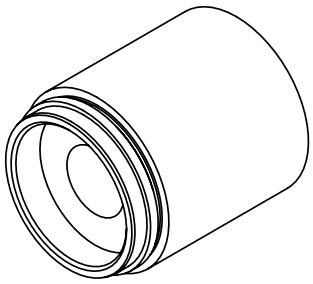
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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a|BeamExpander

BAM25-150-C-1064

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Key Benefits:

= Design wavelength: 1064 nm, magnification: 1.5

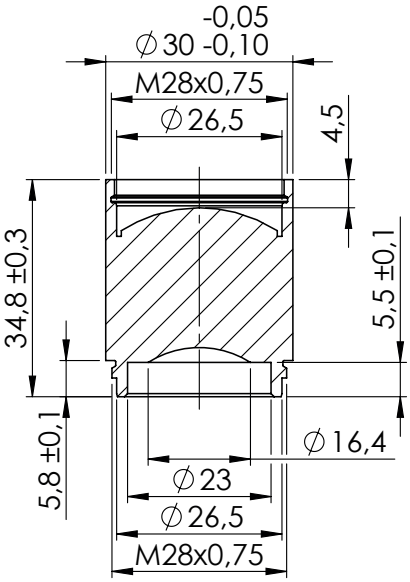
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

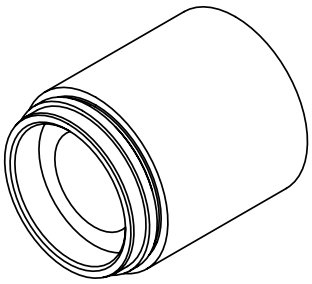
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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a|BeamExpander

asphericon

BAM25-175-C-1064

The a|BeamExpander is a monolithic laser accessory with just one aspheric lens for the highest level of precision. Experience nearly endless possibilities with up to 32× beam magnification and optimized performance for different design wavelengths [355 nm / 532 nm / 632 nm / 780 nm / 1064 nm].

Key Benefits:

= Design wavelength: 1064 nm, magnification: 1.75

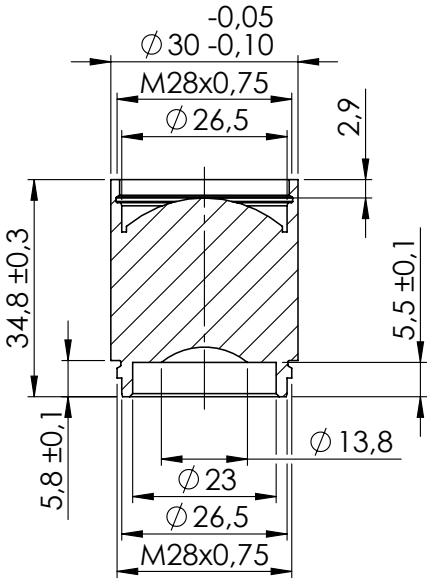
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

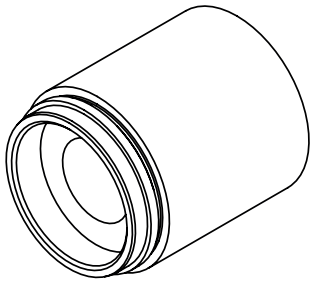
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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a|BeamExpander

asphericon

BAM25-200-C-1064

The a|BeamExpander is a monolithic laser accessory with just one aspheric lens for the highest level of precision. Experience nearly endless possibilities with up to 32× beam magnification and optimized performance for different design wavelengths [355 nm / 532 nm / 632 nm / 780 nm / 1064 nm].

Key Benefits:

= Design wavelength: 1064 nm, magnification: 2.0

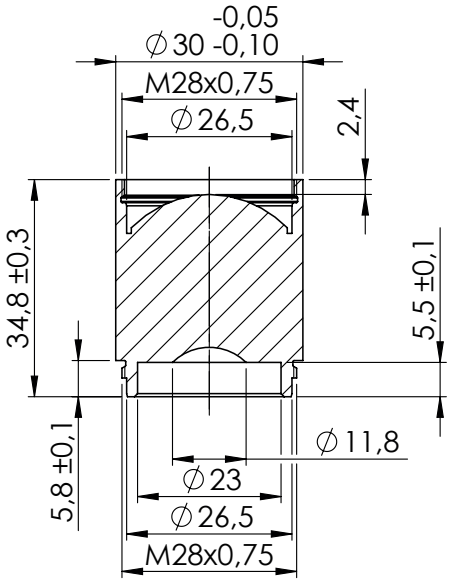
= Possibility of combining up to five expander for up to 32 times beam expansion and over 230 intermediate stages

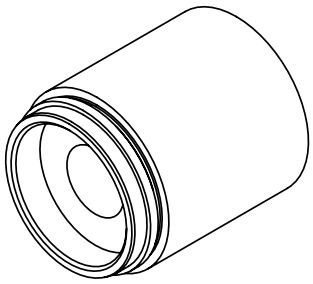
= Completely diffraction-limited – individually measured and guaranteed by an original asphericon certificate

= Laser induced damage threshold (Coating): 12 J/cm², 100 Hz, 6 ns, 532 nm

Like all BeamTuning elements all a|BeamExpander come with a broadband coating. For higher laser power applications please request a V-Coating. Contact us for an individual offer. Please note the material damage threshold of your set-up!

Technical Dimensions:





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a|AspheriColl

ACM25-20-L-Y-355

The a|AspheriColl is an adjustable fiber collimation device, which enables the perfect connection of FC/PC patch fibers to your set-up. Combine the world's smartest off-the-shelf fiber collimator for NA's up to 0.275 with BeamTuning or other beam shaping elements to obtain any desired output beam while maintaining a diffraction-limited wavefront.

Key Benefits:

= Design wavelength: 355 nm, usable wavelength range: 350 - 405 nm

= Focal length: f = 20 mm, with $Ø_e$ = 11.5 mm

= Simplified wavelength adaption by setting adjustment unit with SW2 allen key

= Completely diffraction-limited performance (Strehl > 0.95) when used with FC/PC patch fibers

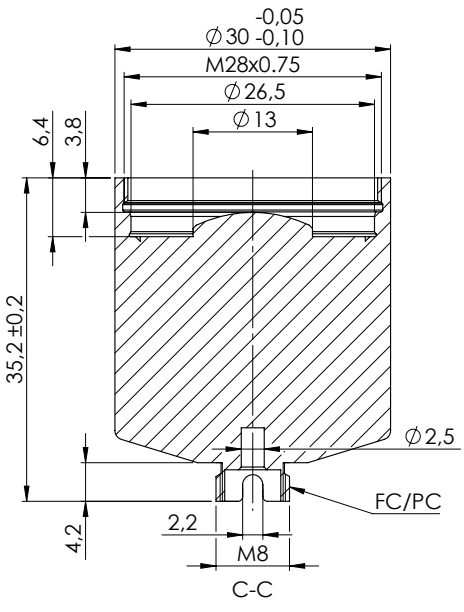
= Thanks to matching adapters also usable for APC fibers

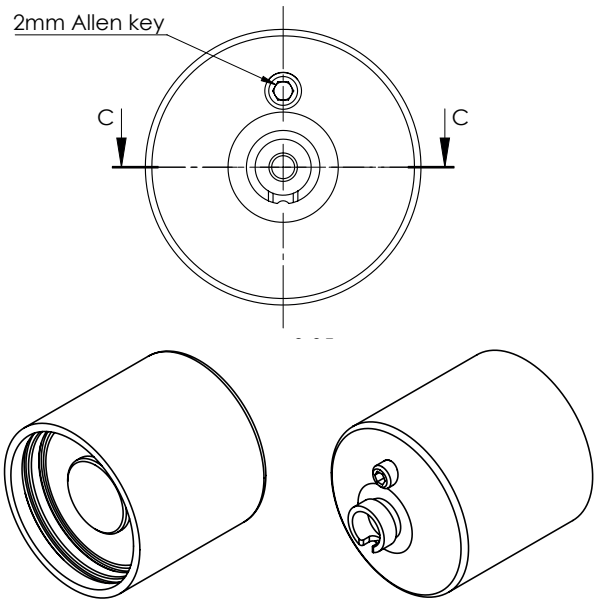
= No truncation effects compared to other available fiber couplers

= Thanks to bigger output beam diameters, no additional expansion might be needed (shorter system length)

= Laser induced damage threshold: 12J/cm², 100Hz, 6ns, 532nm
For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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asphericon

ACM25-20-L-A-532

The a|AspheriColl is an adjustable fiber collimation device, which enables the perfect connection of FC/PC patch fibers to your set-up. Combine the world's smartest off-the-shelf fiber collimator for NA's up to 0.275 with BeamTuning or other beam shaping elements to obtain any desired output beam while maintaining a diffraction-limited wavefront.

The a|AspheriColl is also available for the UV range. With the design wavelength of 355 nm, it is now also possible to collimate output beams in the wavelength range 350 - 405 nm.

Key Benefits:

= Design wavelength: 532 nm, usable wavelength range: 500 – 620 nm

= Focal length: f = 20 mm, with $Ø_e$ = 11.5 mm

= Simplified wavelength adaption by setting adjustment unit with SW2 allen key

= Completely diffraction-limited performance (Strehl > 0.95) when used with FC/PC patch fibers

= Thanks to matching adapters also usable for APC fibers

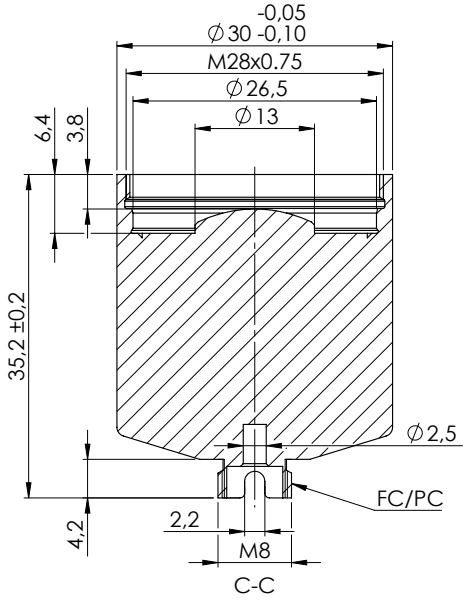
= No truncation effects compared to other available fiber couplers

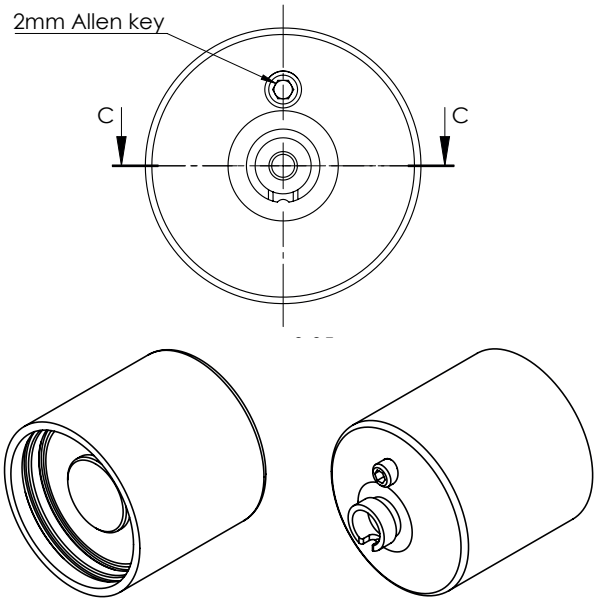
= Thanks to bigger output beam diameters, no additional expansion might be needed (shorter system length)

= Laser induced damage threshold: 12J/cm², 100Hz, 6ns, 532nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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ACM25-20-L-B-632

The a|AspheriColl is an adjustable fiber collimation device, which enables the perfect connection of FC/PC patch fibers to your set-up. Combine the world's smartest off-the-shelf fiber collimator for NA's up to 0.275 with BeamTuning or other beam shaping elements to obtain any desired output beam while maintaining a diffraction-limited wavefront.

The a|AspheriColl is also available for the UV range. With the design wavelength of 355 nm, it is now also possible to collimate output beams in the wavelength range 350 - 405 nm.

Key Benefits:

= Design wavelength: 632 nm, usable wavelength range: 600 – 760 nm

= Focal length: f = 20 mm, with $Ø_e$ = 11.5 mm

= Simplified wavelength adaption by setting adjustment unit with SW2 allen key

= Completely diffraction-limited performance (Strehl > 0.95) when used with FC/PC patch fibers

= Thanks to matching adapters also usable for APC fibers

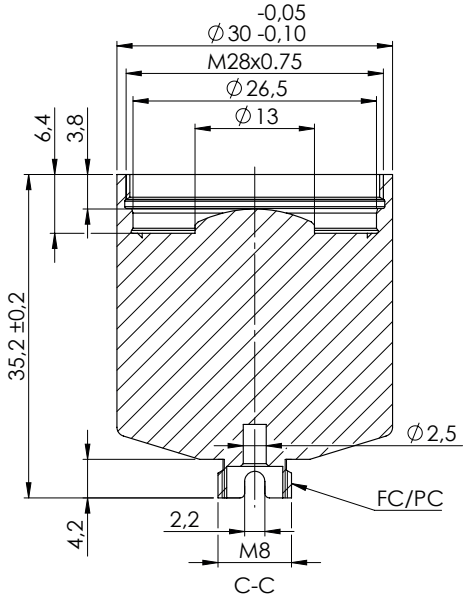
= No truncation effects compared to other available fiber couplers

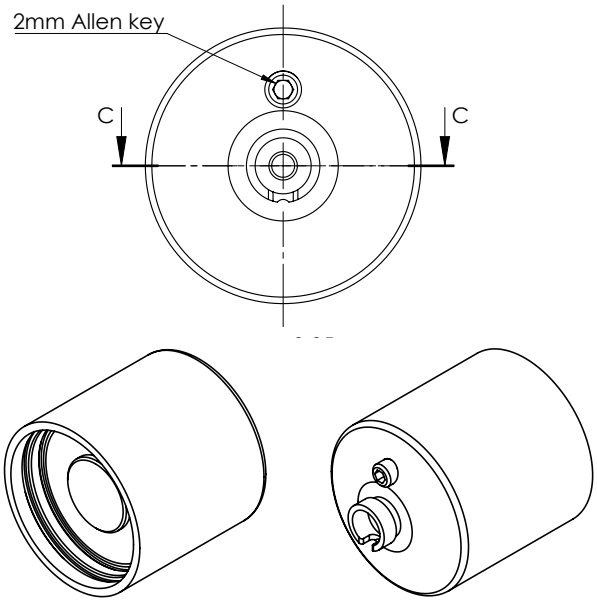
= Thanks to bigger output beam diameters, no additional expansion might be needed (shorter system length)

= Laser induced damage threshold: 12J/cm², 100Hz, 6ns, 532nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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a|AspheriColl

ACM25-20-L-B-780

The a|AspheriColl is an adjustable fiber collimation device, which enables the perfect connection of FC/PC patch fibers to your set-up. Combine the world's smartest off-the-shelf fiber collimator for NA's up to 0.275 with BeamTuning or other beam shaping elements to obtain any desired output beam while maintaining a diffraction-limited wavefront.

The a|AspheriColl is also available for the UV range. With the design wavelength of 355 nm, it is now also possible to collimate output beams in the wavelength range 350 - 405 nm.

Key Benefits:

= Design wavelength: 780 nm, usable wavelength range: 700 – 1050 nm

= Focal length: f = 20 mm, with $Ø_e$ = 11.5 mm

= Simplified wavelength adaption by setting adjustment unit with SW2 allen key

= Completely diffraction-limited performance (Strehl > 0.95) when used with FC/PC patch fibers

= Thanks to matching adapters also usable for APC fibers

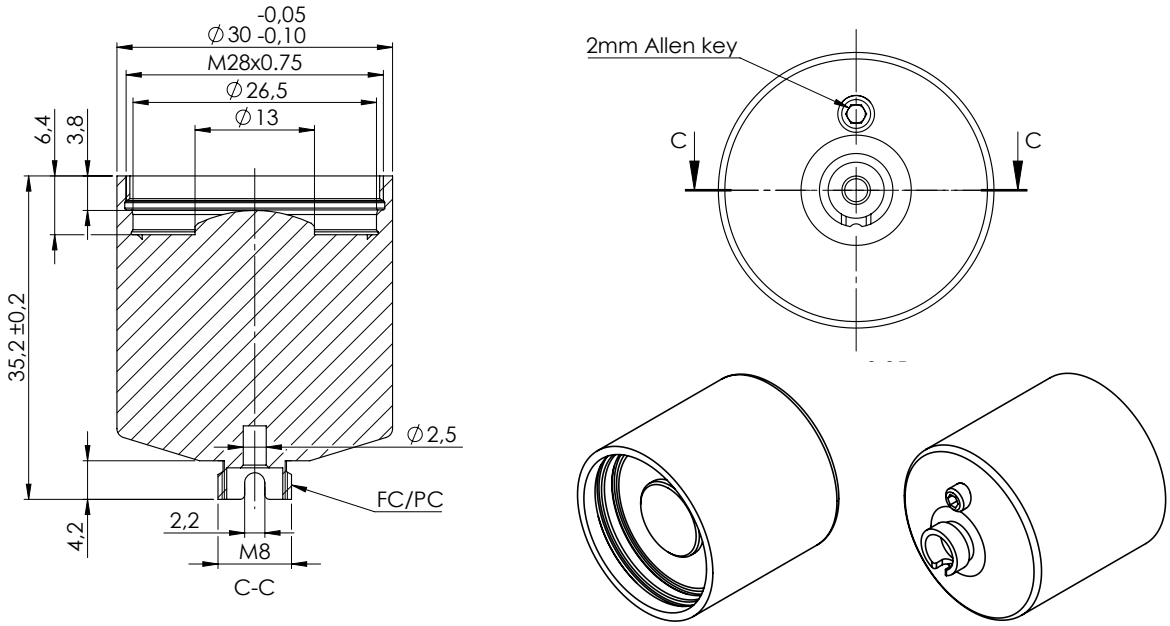
= No truncation effects compared to other available fiber couplers

= Thanks to bigger output beam diameters, no additional expansion might be needed (shorter system length)

= Laser induced damage threshold: 12J/cm², 100Hz, 6ns, 532nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:



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a|AspheriColl

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ACM25-20-L-C-1064

The a|AspheriColl is an adjustable fiber collimation device, which enables the perfect connection of FC/PC patch fibers to your set-up. Combine the world's smartest off-the-shelf fiber collimator for NA's up to 0.275 with BeamTuning or other beam shaping elements to obtain any desired output beam while maintaining a diffraction-limited wavefront.

The a|AspheriColl is also available for the UV range. With the design wavelength of 355 nm, it is now also possible to collimate output beams in the wavelength range 350 - 405 nm.

Key Benefits:

= Design wavelength: 1064 nm, usable wavelength range: 1000 - 1500 nm

= Focal length: f = 20 mm, with $Ø_e$ = 11.5 mm

= Simplified wavelength adaption by setting adjustment unit with SW2 allen key

= Completely diffraction-limited performance (Strehl > 0.95) when used with FC/PC patch fibers

= Thanks to matching adapters also usable for APC fibers

= No truncation effects compared to other available fiber couplers

= Thanks to bigger output beam diameters, no additional expansion might be needed (shorter system length)

= Laser induced damage threshold: 12J/cm², 100Hz, 6ns, 532nm

For higher laser power applications please request a V-Coating.
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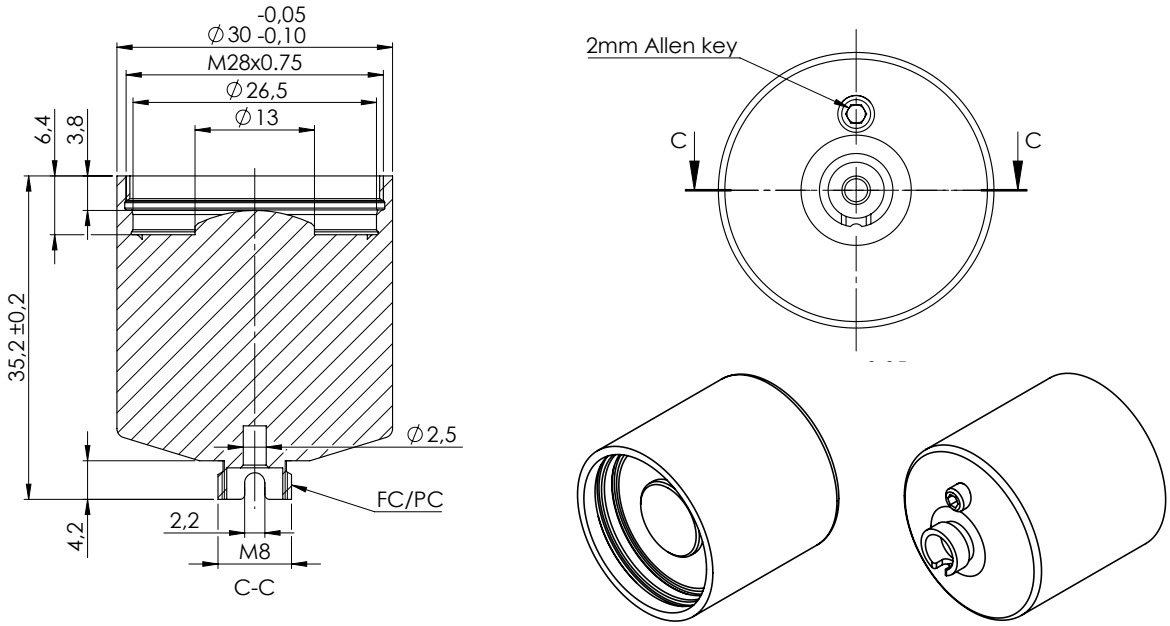

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a|AiryShape

ASM25-10-Y-355

Another beam shaper optimized for wavelengths from 300 nm up to 1600 nm is the a|AiryShape. This beam shaping element enables, in combination with a focusing lens, the transformation of collimated Gaussian beams into different focused beam profiles (e.g. Top-Hat, Donut). Thanks to its compact design, the a|AiryShape can be easily integrated into existing set-ups.

Key Benefits:

= Design wavelength: 355 nm, usable wavelength range: 320 - 450 nm

= Also available design wavelengths [532 nm / 632 nm / 780 nm / 1064 nm]

= Generation of different beam profiles (e.g. Top-Hat, Donut, Beam Waist)

= Profile size easily scalable by focal length

= Easy integration into existing set-ups

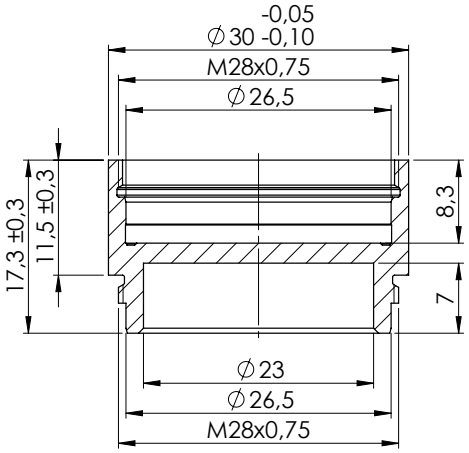
= Perfect alignment by high-precision mounting

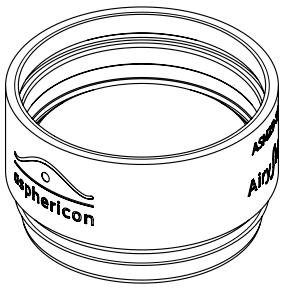
= Compact design

= Input beam diameter @ $1/e^2$ = 10 mm; output beam diameter d_{Airy} = 10 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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a|AiryShape

asphericon

ASM25-10-A-532

Another beam shaper optimized for wavelengths from 300 nm up to 1600 nm is the a|AiryShape. This beam shaping element enables, in combination with a focusing lens, the transformation of collimated Gaussian beams into different focused beam profiles (e.g. Top-Hat, Donut). Thanks to its compact design, the a|AiryShape can be easily integrated into existing set-ups.

Key Benefits:

= Design wavelength: 532 nm, usable wavelength range: 500 - 620 nm

= Also available design wavelengths [355 nm / 632 nm / 780 nm / 1064 nm]

= Generation of different beam profiles (e.g. Top-Hat, Donut, Beam Waist)

= Profile size easily scalable by focal length

= Easy integration into existing set-ups

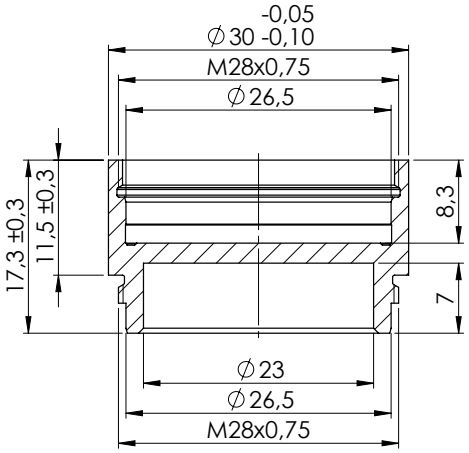
= Perfect alignment by high-precision mounting

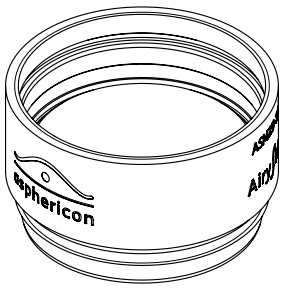
=Compact design

= Input beam diameter @ $1/e^2$ = 10 mm; output beam diameter d_{Airy} = 10 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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a|AiryShape

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ASM25-10-B-632

Another beam shaper optimized for wavelengths from 300 nm up to 1600 nm is the a|AiryShape. This beam shaping element enables, in combination with a focusing lens, the transformation of collimated Gaussian beams into different focused beam profiles (e.g. Top-Hat, Donut). Thanks to its compact design, the a|AiryShape can be easily integrated into existing set-ups.

Key Benefits:

= Design wavelength: 632 nm, usable wavelength range: 600 - 760 nm

= Also available design wavelengths [355 nm / 532 nm / 780 nm / 1064 nm]

= Generation of different beam profiles (e.g. Top-Hat, Donut, Beam Waist)

= Profile size easily scalable by focal length

= Easy integration into existing set-ups

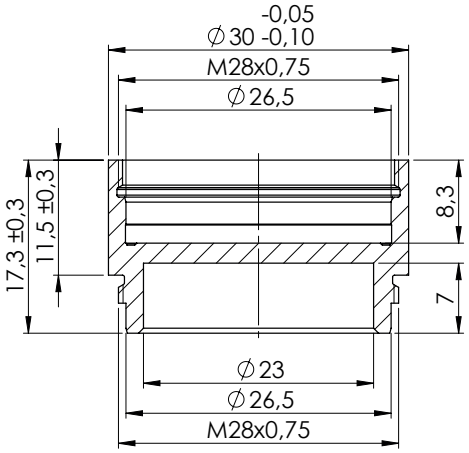
= Perfect alignment by high-precision mounting

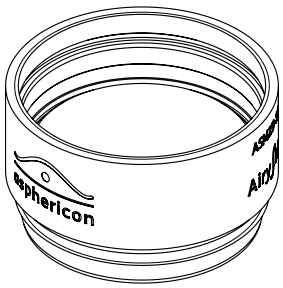
=Compact design

= Input beam diameter @ $1/e^2$ = 10 mm; output beam diameter d_{Airy} = 10 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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a|AiryShape

asphericon

ASM25-10-B-780

Another beam shaper optimized for wavelengths from 300 nm up to 1600 nm is the a|AiryShape. This beam shaping element enables, in combination with a focusing lens, the transformation of collimated Gaussian beams into different focused beam profiles (e.g. Top-Hat, Donut). Thanks to its compact design, the a|AiryShape can be easily integrated into existing set-ups.

Key Benefits:

= Design wavelength: 780 nm, usable wavelength range: 700 - 1050 nm

= Also available design wavelengths [355 nm / 532 nm / 632 nm / 1064 nm]

= Generation of different beam profiles (e.g. Top-Hat, Donut, Beam Waist)

= Profile size easily scalable by focal length

= Easy integration into existing set-ups

= Perfect alignment by high-precision mounting

=Compact design

= Input beam diameter @ $1/e^2$ = 10 mm; output beam diameter d_{Airy} = 10 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
For higher laser power applications please request a V-Coating.
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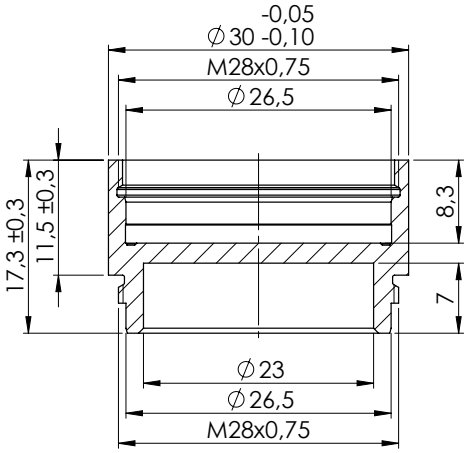
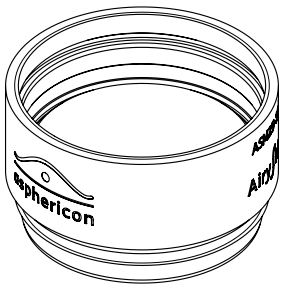
Technical Dimensions:





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a|AiryShape

ASM25-10-C-1064

Another beam shaper optimized for wavelengths from 300 nm up to 1600 nm is the a|AiryShape. This beam shaping element enables, in combination with a focusing lens, the transformation of collimated Gaussian beams into different focused beam profiles (e.g. Top-Hat, Donut). Thanks to its compact design, the a|AiryShape can be easily integrated into existing set-ups.

Key Benefits:

= Design wavelength: 1064 nm, usable wavelength range: 1000 - 1500 nm

= Also available design wavelengths [355 nm / 532 nm / 632 nm / 780 nm]

= Generation of different beam profiles (e.g. Top-Hat, Donut, Beam Waist)

= Profile size easily scalable by focal length

= Easy integration into existing set-ups

= Perfect alignment by high-precision mounting

=Compact design

= Input beam diameter @ $1/e^2$ = 10 mm; output beam diameter d_{Airy} = 10 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
For higher laser power applications please request a V-Coating.
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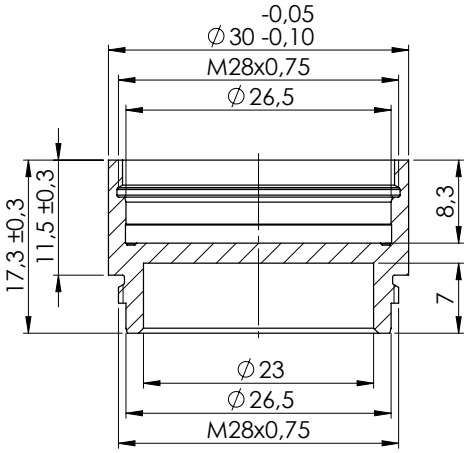
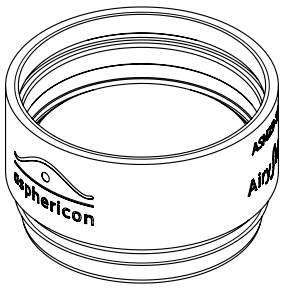
Technical Dimensions:





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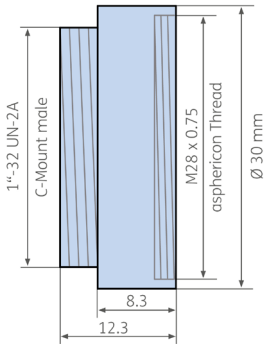
a|Adapter

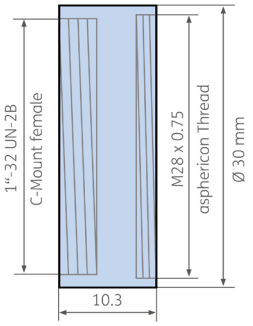
Connect BeamTuning elements conveniently to any optical set-up with matching adapters. Intra-system a|Adapters allow to use a|BeamExpander in both functional directions, to expand or reduce the beam diameter. The cross-system a|Adapters guarantee a high level of compatibility with other optical systems (e.g. Qioptiq, OWIS) – without additional adjustment.

Technical Dimensions:

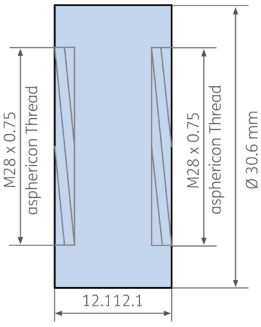
C-MOUNT MALE



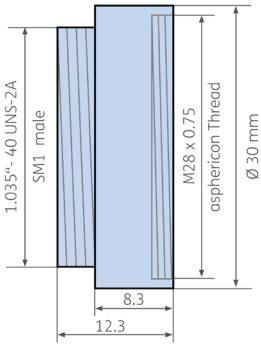
C-MOUNT FEMALE



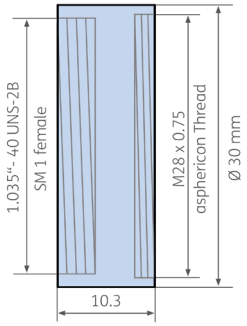
1.2" CIRCUMFERENCE (DUAL USE)



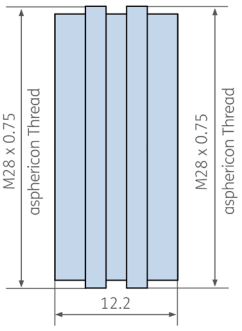
SM1 MALE



SM1 FEMALE



INTRA-SYSTEM



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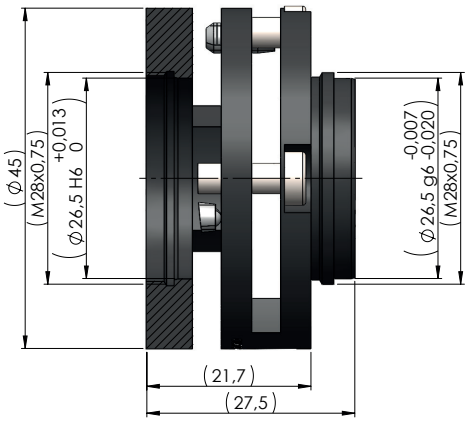
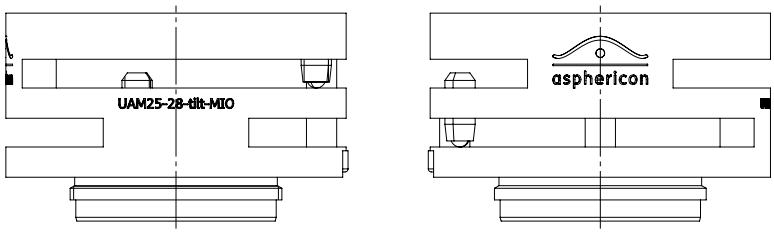
a|Adapter Tilt

The a|Adapter Tilt provides more flexibility in your laser set-up, allowing BeamTuning elements to be combined even if tilt occurs in the beam path due to various reasons. This optomechanical mount can be flexibly and continuously tilted in the x and y direction to precisely align optical elements in the beam path.

Technical Dimensions:





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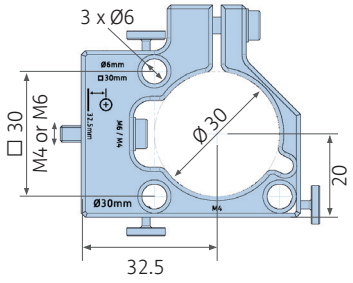
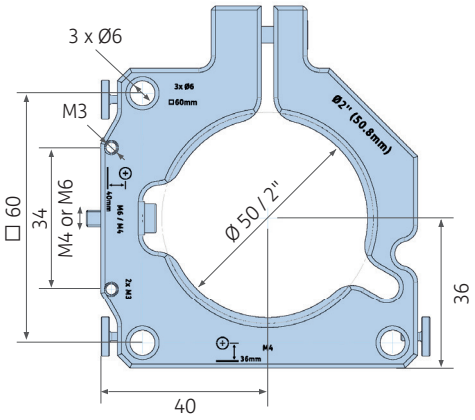
a|VariMount

When assembling optical set-ups for beam shaping, it can be challenging to align all the elements correctly without increasing the risk of tilting and decentering. The a|VariMount installs directly onto your mounting plate, allowing for perfect integration and alignment of components without additional adapters. It is available in three diameters (30, 50, 56.8 mm) and can be integrated into cage systems (30, 60 mm) and mounted on rail systems. Its design reduces stress peaks and deformations, making it easy to integrate even sensitive frames (e.g. aluminum alloys). The holder features centric threaded connections M4 and M6 for added flexibility to mount on posts.

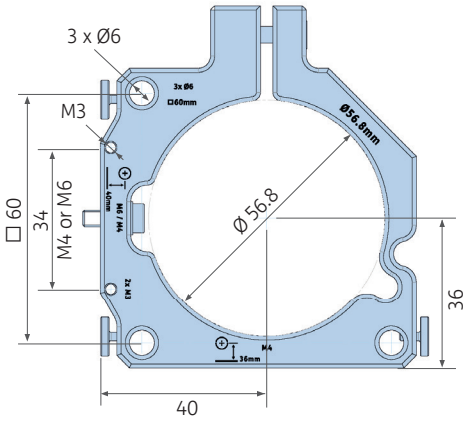
Technical Dimensions:



a|VariMount 30 mm



a|VariMount 50 mm



a|VariMount 56.8 mm

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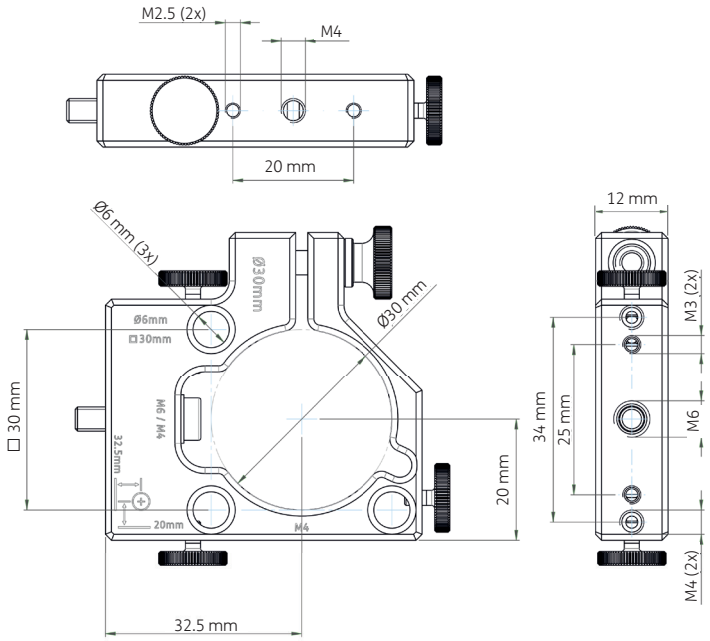
UAH25-30-M

The a|VariMount UAH25-30-M is an innovative optomechanical mount designed for seamless integration and precise alignment of optical components with a outer diameter of 30 mm - like aspericons BeamTuning products. This mount eliminates the need for additional adapters, reducing set-up length and minimizing the risk of tilt and decentration. It is compatible with 30 mm cage systems from manufacturers such as OptoSigma, Thorlabs and Qioptiq (Linos), and can be easily mounted on various rail systems. The design ensures a broad surface clamping of optical components, reducing stress and deformation, and includes M4 and M6 threaded holes for compatibility with all post systems.

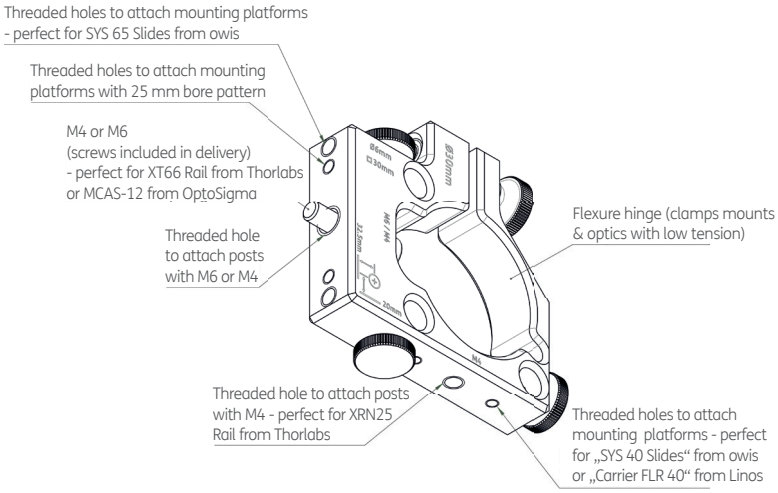
Technical Dimensions:

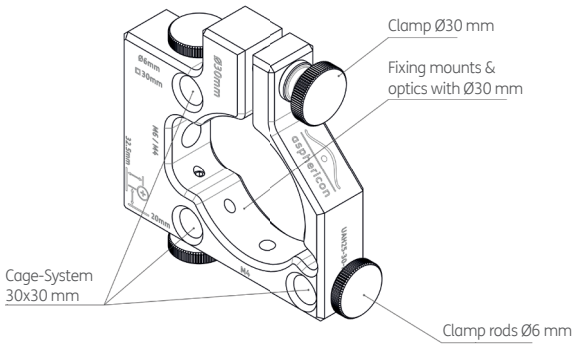


Accessories:

3x M2.5x5 with knurls
3x M2.5 grub screw
2x M4x18 - cylinder head screw
1x M6x18 - cylinder head screw
1x washer - M4

How to use





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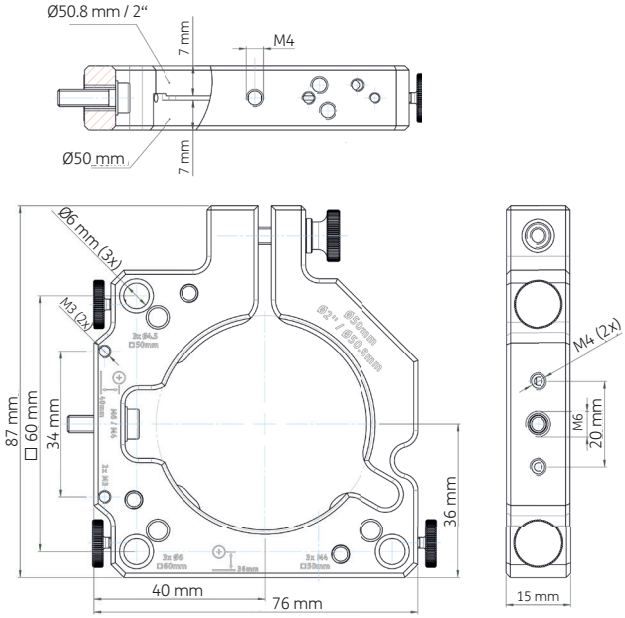
UAH50-50-M

The a|VariMount UAH50-50-M is an innovative optomechanical mount designed for seamless integration and precise alignment of optical components with a outer diameter of 50 mm form one side or 2“ from the other side (dual use) - like unmounted aspheres and axicons. This mount eliminates the need for additional adapters, reducing set-up length and minimizing the risk of tilt and decentration. It is compatible with 60 mm cage systems from manufactures such as Thorlabs and OptoSigma, and can be easily mounted on various rail systems. The design ensures a broad surface clamping of optical components, reducing stress and deformation, and includes M4 and M6 threaded holes for compatibility with all post systems.

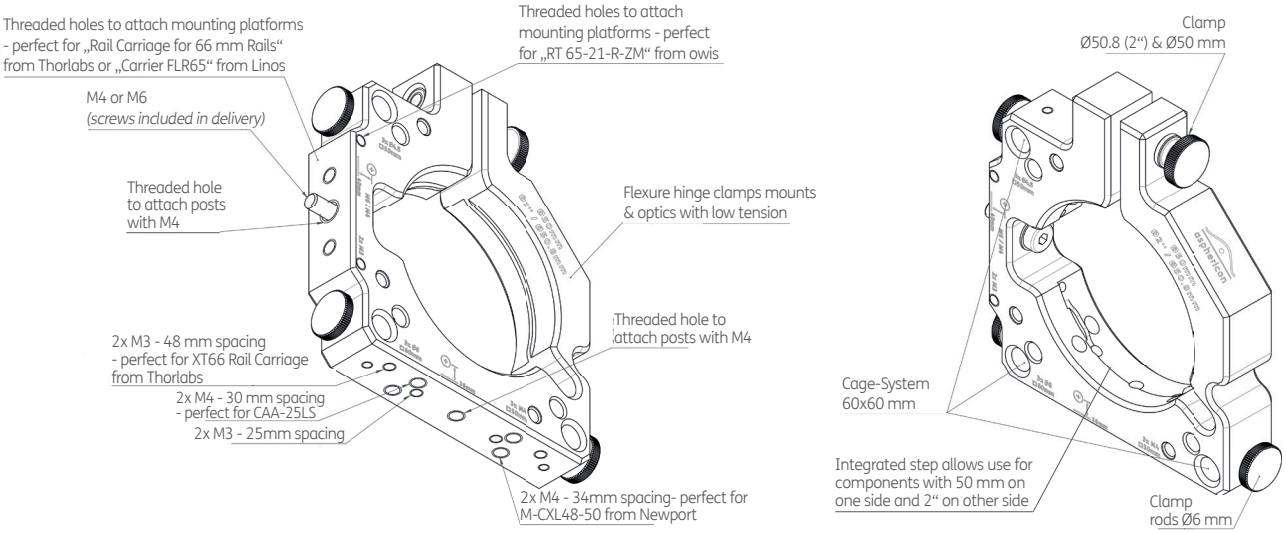
Technical Dimensions:



Accessories:

3x M2.5x5 with knurls
3x M2.5 grub screw
1x M4x14 - cylinder head screw
1x M4x18 - cylinder head screw
1x M6x14 - cylinder head screw
1x washer - M4

How to use



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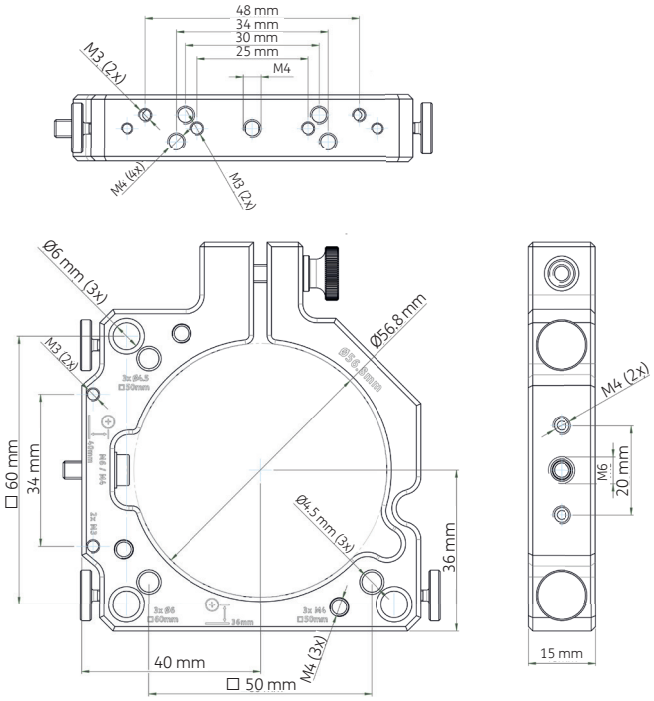
UAH25-56.8-M

The a|VariMount UAH25-56.8-M is an innovative optomechanical mount designed for seamless integration and precise alignment of optical components with a outer diameter of 56.8 mm - like the a|VariColl from asphericon. This mount eliminates the need for additional adapters, reducing set-up length and minimizing the risk of tilt and decentration. It is compatible with 60 mm cage systems from manufactures such as Thorlabs and OptoSigma, and can be easily mounted on various rail systems. The design ensures a broad surface clamping of optical components, reducing stress and deformation, and includes M4 and M6 threaded holes for compatibility with all post systems.

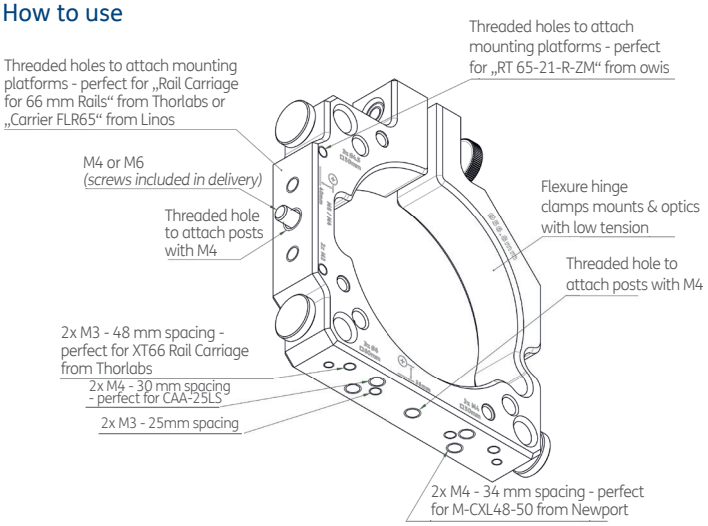
Technical Dimensions:

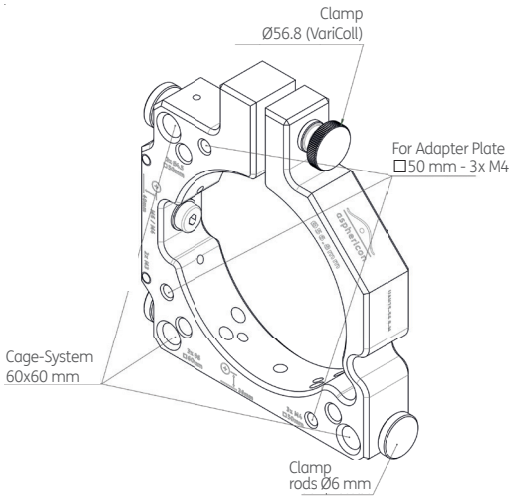


Accessories:

3x M2.5x5 with knurls
1x M4x12 - cylinder head screw
1x M4x18 - knurled head screw
1x M6x14 - cylinder head screw
1x washer - M4

How to use





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a|TopShape

asphericon

TSM25-10-Q-D-355

Discover the a|TopShape, an innovative beam shaper, which easily transforms collimated Gaussian beams into collimated Top-Hat beams. This laser device convinces with its very compact design and unbeatable optical performance. Covering a large spectral range, the a|TopShape accepts varying input beam diameter and generates a stable beam profile for at least 300 mm.

Key Benefits:

= Design wavelength: 355 nm, usable wavelength range: 350 - 700 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wave length applications

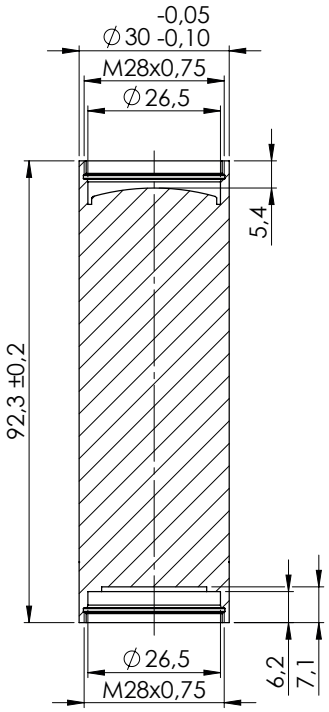
= Accepts varying input beam diameter (± 10%)

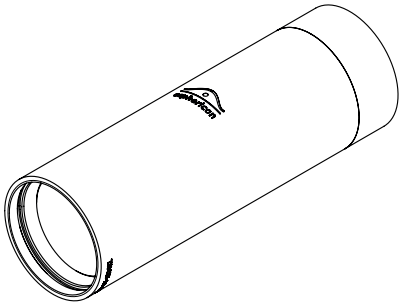
= Input beam diameter @ 1/e 2 = 10 mm;
output beam diameter @ FWHM = 15.4 mm (@ 632 nm)

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating. Contact us for an individual offer.

Technical Dimensions:





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a|TopShape

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TSM25-10-Q-B-632

Discover the a|TopShape, an innovative beam shaper, which easily transforms collimated Gaussian beams into collimated Top-Hat beams. This laser device convinces with its very compact design and unbeatable optical performance. Covering a large spectral range, the a|TopShape accepts varying input beam diameter and generates a stable beam profile for at least 300 mm.

Key Benefits:

= Design wavelength: 632 nm, usable wavelength range: 600 - 1050 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wave length applications

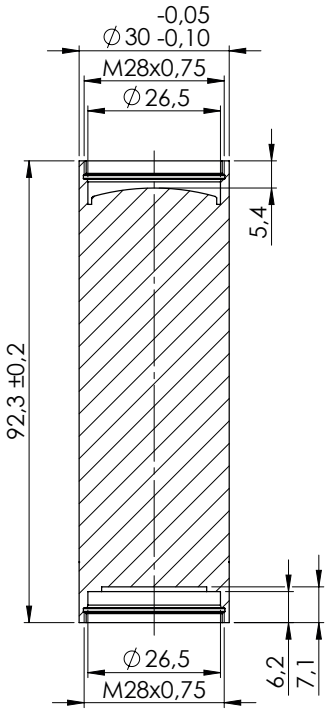
= Accepts varying input beam diameter (± 10%)

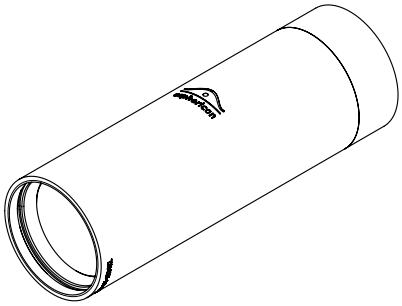
= Input beam diameter @ 1/e 2 = 10 mm;
output beam diameter @ FWHM = 15.4 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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a|TopShape

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TSM25-10-Q-C-1064

Discover the a|TopShape, an innovative beam shaper, which easily transforms collimated Gaussian beams into collimated Top-Hat beams. This laser device convinces with its very compact design and unbeatable optical performance. Covering a large spectral range, the a|TopShape accepts varying input beam diameter and generates a stable beam profile for at least 300 mm.

Key Benefits:

= Design wavelength: 1064 nm, usable wavelength range: 1000 - 1500 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

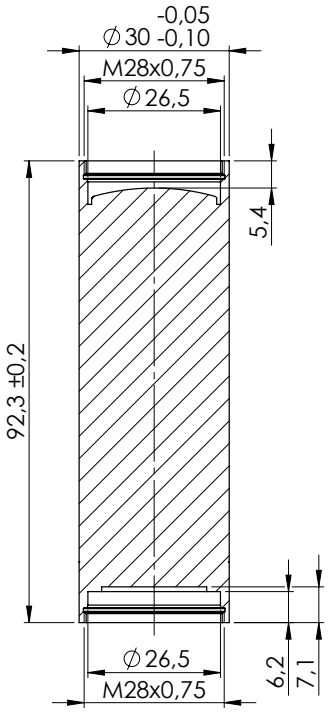
= Large spectral range and ideal for multi-wave length applications

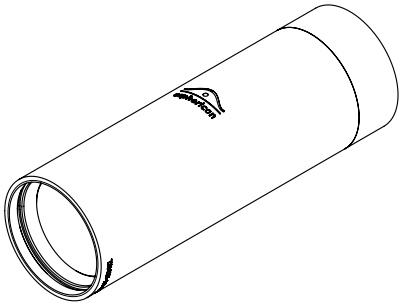
= Accepts varying input beam diameter (± 10%)

= Input beam diameter @ 1/e 2 = 10 mm;
output beam diameter @ FWHM = 15.4 mm (@ 632 nm)

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
For higher laser power applications please request a V-Coating. Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LD-Y-355

The a|TopShape LongDistance is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of up to 1.5 m. Since the effective working distance decreases with subsequent beam size reduction, using the a|TopShape LD is recommended if an application calls for smaller beam diameter.

Key Benefits:

= Design wavelength: 355 nm, usable wavelength range: 335 - 380 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

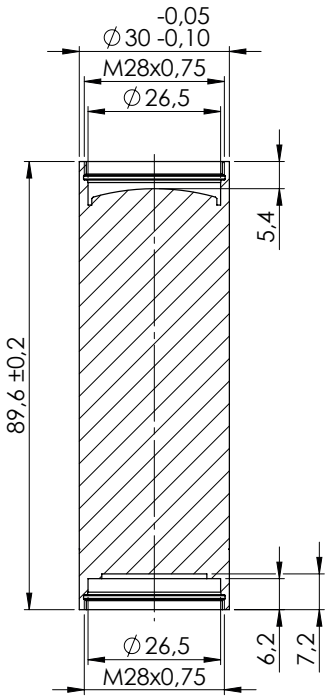
= Accepts varying input beam diameter (± 10%)

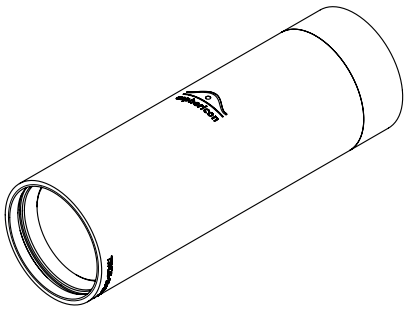
= Input beam diameter @ 1/e 2 = 10 mm;
output beam diameter @ FWHM = 15.4 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LD-D-405

The a|TopShape LongDistance is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of up to 1.5 m. Since the effective working distance decreases with subsequent beam size reduction, using the a|TopShape LD is recommended if an application calls for smaller beam diameter.

Key Benefits:

= Design wavelength: 405 nm, usable wavelength range: 380 - 440 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

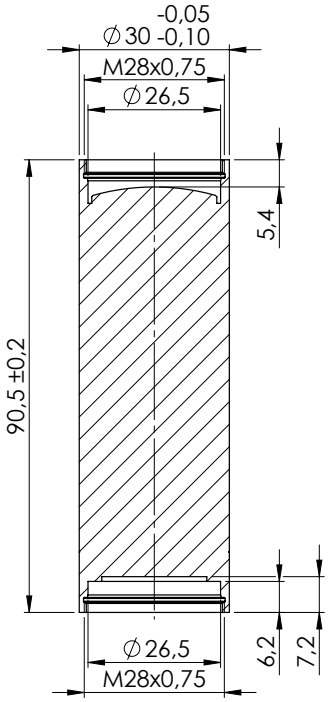
= Accepts varying input beam diameter (± 10%)

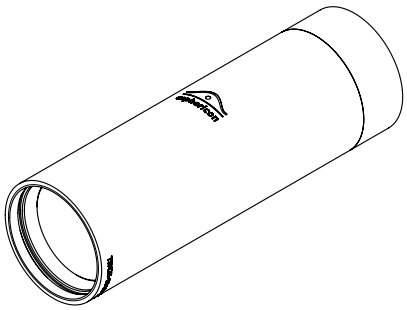
= Input beam diameter @ 1/e 2 = 10 mm;
output beam diameter @ FWHM = 15.4 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LD-D-532

The a|TopShape LongDistance is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of up to 1.5 m. Since the effective working distance decreases with subsequent beam size reduction, using the a|TopShape LD is recommended if an application calls for smaller beam diameter.

Key Benefits:

= Design wavelength: 532 nm, usable wavelength range: 465 - 635 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

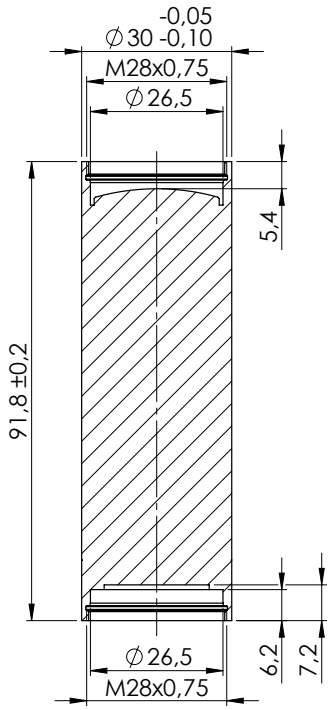
= Accepts varying input beam diameter (± 10%)

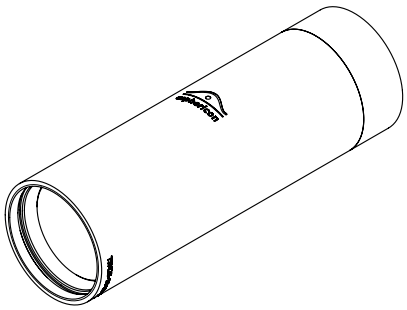
= Input beam diameter @ 1/e 2 = 10 mm;
output beam diameter @ FWHM = 15.4 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LD-B-632

The a|TopShape LongDistance is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of up to 1.5 m. Since the effective working distance decreases with subsequent beam size reduction, using the a|TopShape LD is recommended if an application calls for smaller beam diameter.

Key Benefits:

= Design wavelength: 632 nm, usable wavelength range: 530 - 800 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

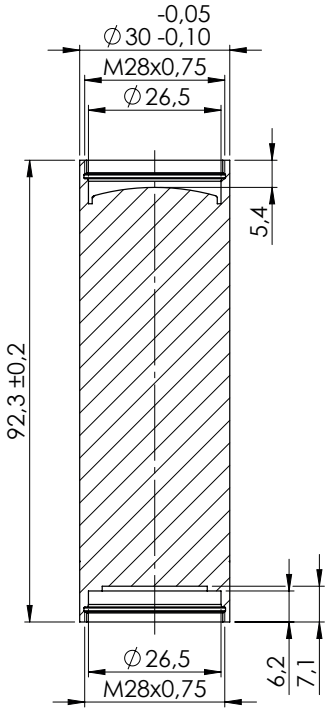
= Accepts varying input beam diameter (± 10%)

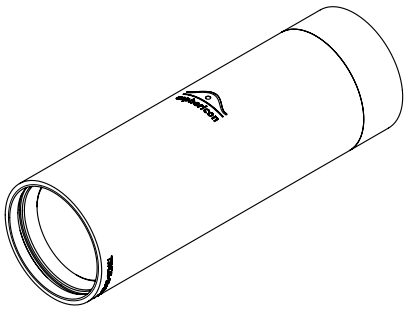
= Input beam diameter @ 1/e 2 = 10 mm;
output beam diameter @ FWHM = 15.5 - 14.9 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LDX-Y-355

The a|TopShape LongDistanceExtended is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of at least 1.5 m. The beam profile can be shifted to large working distances of up to 3 m by adjusting the input beam diameter. Since the effective working distance decreases as the beam size is reduced, a|TopShape LDX is particularly suitable for applications requiring smaller beam diameters.

Key Benefits:

= Design wavelength: 355 nm, usable wavelength range: 335 - 380 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

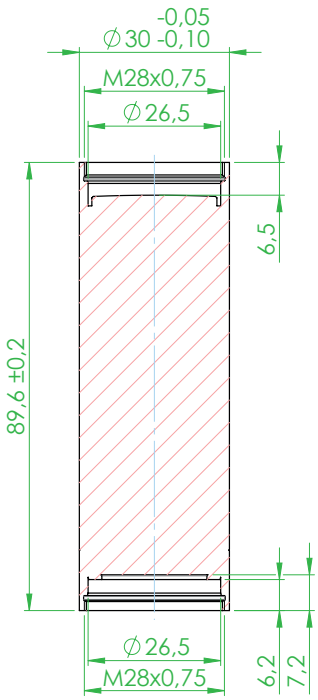
= Accepts varying input beam diameter (± 10%)

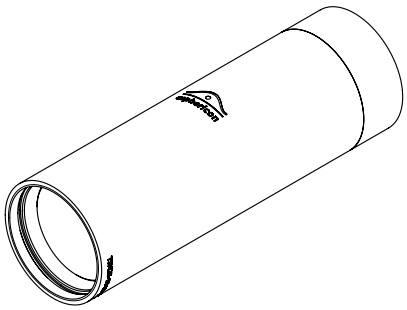
= Input beam diameter @ 1/e 2 = 10.0 – 10.4 mm;
output beam diameter @ FWHM = 15.4 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LD-B-780

The a|TopShape LongDistance is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of up to 1.5 m. Since the effective working distance decreases with subsequent beam size reduction, using the a|TopShape LD is recommended if an application calls for smaller beam diameter.

Key Benefits:

= Design wavelength: 780 nm, usable wavelength range: 620 - 1040 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

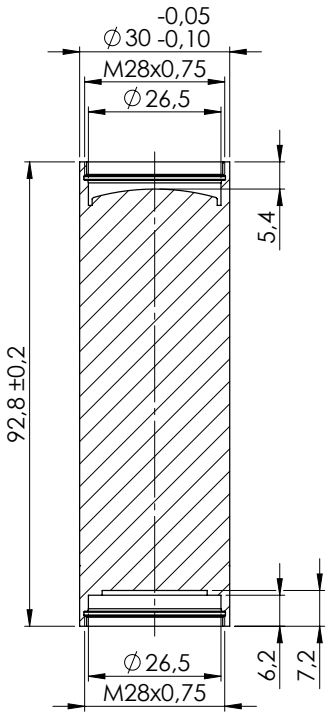
= Accepts varying input beam diameter (± 10%)

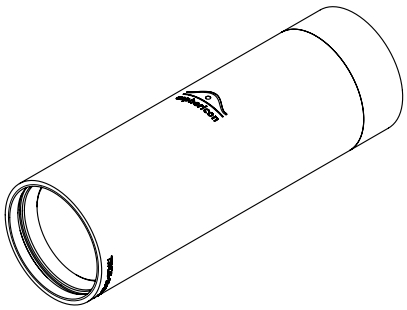
= Input beam diameter @ 1/e 2 = 10 mm;
output beam diameter @ FWHM = 15.4 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LD-C-1064

The a|TopShape LongDistance is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of up to 1.5 m. Since the effective working distance decreases with subsequent beam size reduction, using the a|TopShape LD is recommended if an application calls for smaller beam diameter.

Key Benefits:

= Design wavelength: 1064 nm, usable wavelength range: 950 - 1490 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

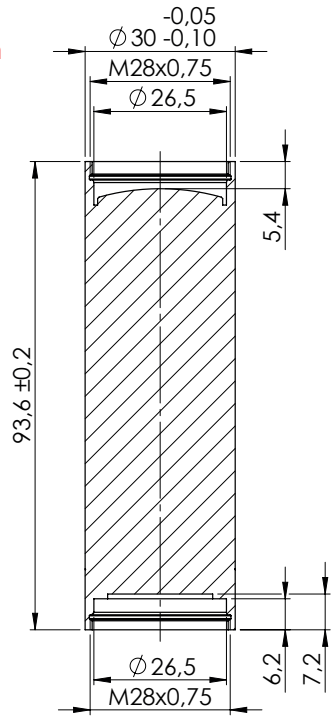
= Accepts varying input beam diameter (± 10%)

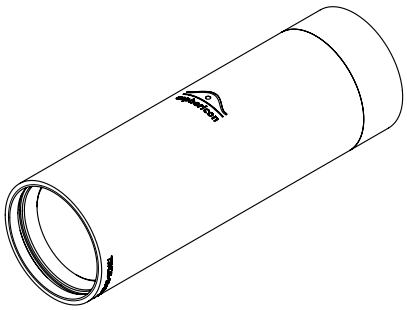
= Input beam diameter @ 1/e 2 = 10 mm;
output beam diameter @ FWHM = 15.4 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LDX-D-405

The a|TopShape LongDistanceExtended is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of at least 1.5 m. The beam profile can be shifted to large working distances of up to 3 m by adjusting the input beam diameter. Since the effective working distance decreases as the beam size is reduced, a|TopShape LDX is particularly suitable for applications requiring smaller beam diameters.

Key Benefits:

= Design wavelength: 405 nm, usable wavelength range: 380 - 440 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

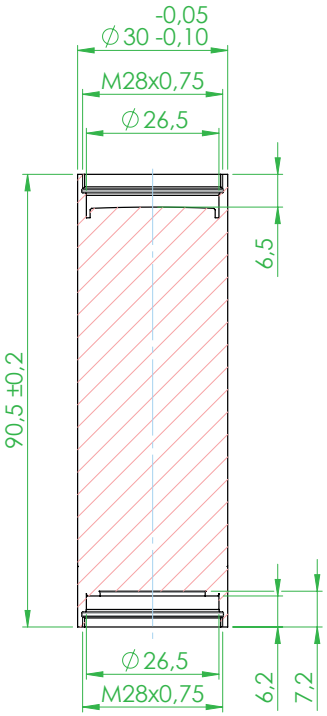
= Accepts varying input beam diameter (± 10%)

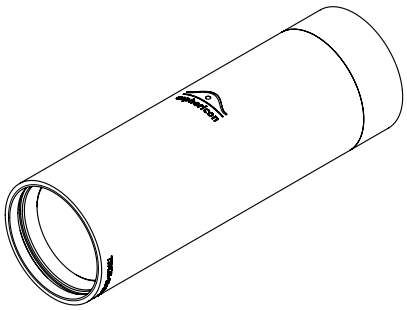
= Input beam diameter @ 1/e 2 = 10 - 10.4 mm;
output beam diameter @ FWHM = 15.4 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LDX-D-532

The a|TopShape LongDistanceExtended is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of at least 1.5 m. The beam profile can be shifted to large working distances of up to 3 m by adjusting the input beam diameter. Since the effective working distance decreases as the beam size is reduced, a|TopShape LDX is particularly suitable for applications requiring smaller beam diameters.

Key Benefits:

= Design wavelength: 532 nm, usable wavelength range: 465 - 635 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

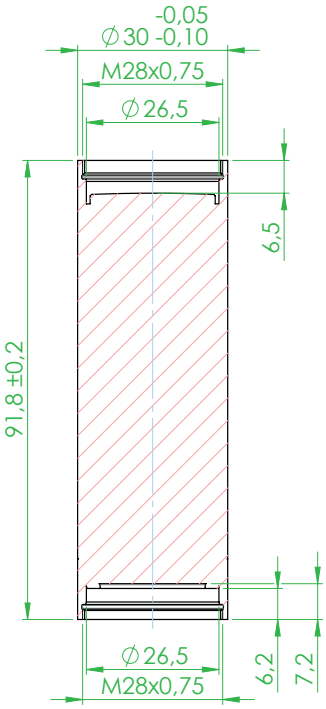
= Accepts varying input beam diameter (± 10%)

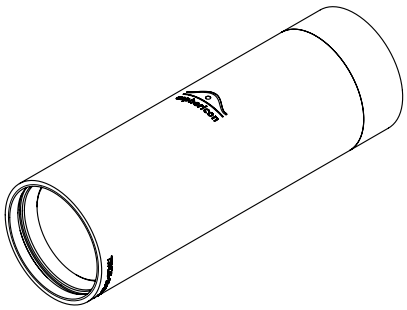
= Input beam diameter @ 1/e 2 = 10 - 10.4 mm;
output beam diameter @ FWHM = 15.4 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LDX-B-632

The a|TopShape LongDistanceExtended is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of at least 1.5 m. The beam profile can be shifted to large working distances of up to 3 m by adjusting the input beam diameter. Since the effective working distance decreases as the beam size is reduced, a|TopShape LDX is particularly suitable for applications requiring smaller beam diameters.

Key Benefits:

= Design wavelength: 632 nm, usable wavelength range: 530 - 800 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

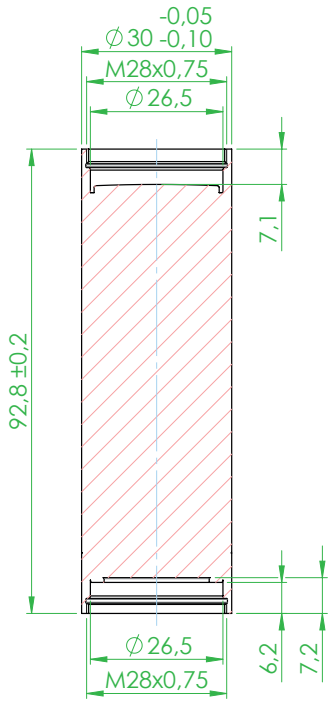
= Accepts varying input beam diameter (± 10%)

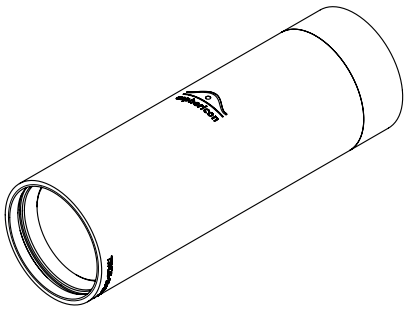
= Input beam diameter @ 1/e 2 = 10 - 10.4 mm;
output beam diameter @ FWHM = 15.5 - 14.9 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LDX-B-780

The a|TopShape LongDistanceExtended is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of at least 1.5 m. The beam profile can be shifted to large working distances of up to 3 m by adjusting the input beam diameter. Since the effective working distance decreases as the beam size is reduced, a|TopShape LDX is particularly suitable for applications requiring smaller beam diameters.

Key Benefits:

= Design wavelength: 780 nm, usable wavelength range: 620 - 1040 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

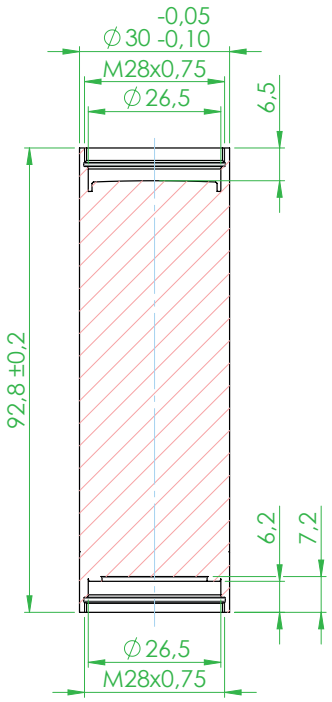
= Accepts varying input beam diameter (± 10%)

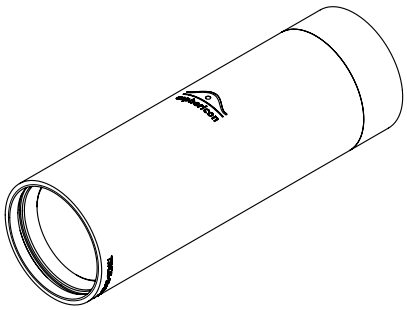
= Input beam diameter @ 1/e 2 = 10 - 10.4 mm;
output beam diameter @ FWHM = 15.4 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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TSM25-10-LDX-C-1064

The a|TopShape LongDistanceExtended is an innovative beam shaper that converts collimated Gaussian beams into collimated Top-Hat beams while guaranteeing stable beam profiles up to a working distance of at least 1.5 m. The beam profile can be shifted to large working distances of up to 3 m by adjusting the input beam diameter. Since the effective working distance decreases as the beam size is reduced, a|TopShape LDX is particularly suitable for applications requiring smaller beam diameters.

Key Benefits:

= Design wavelength: 1064 nm, usable wavelength range: 950 - 1490 nm

= Unbeatable optical performance (homogeneity > 90%) without any power losses

= Large spectral range and ideal for multi-wavelength applications

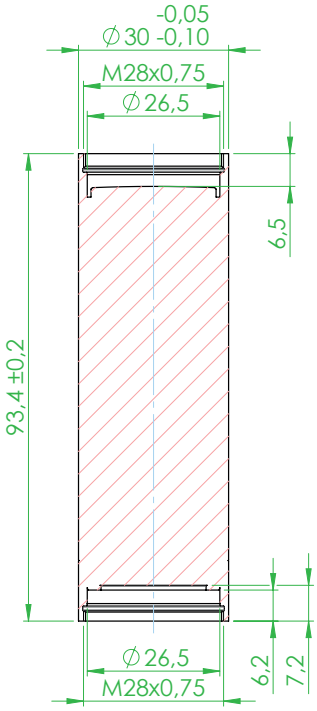
= Accepts varying input beam diameter (± 10%)

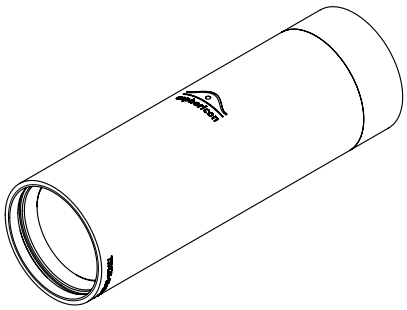
= Input beam diameter @ 1/e 2 = 10 - 10.4 mm;
output beam diameter @ FWHM = 15.4 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm

For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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VCM25-10-D-532

The fiber collimation device a|VariColl generates perfect input conditions for all following beam shaping optics. The adjustable EFL allows compensation of variations in the fiber NA. Thanks to the most precise optics as well as a sophisticated optical and mechanical design, modifications of beam size and divergence angle can be performed independently and without any effort. The a|VariColl impresses with a compact design and allows finest adjustments for output beam diameter and divergence.

Key Benefits:

= Design wavelength: 532 nm, usable wavelength range: 500 – 565 nm

= Effective focal length 47 – 99 mm

= Obtain collimated beam with 10 mm diameter for fiber NAs in range of 0.055 to 0.12

= Generation of collimated diffraction-limited beams up to 11 mm $1/e^2$ with RMS wavefront error < 50 mλ

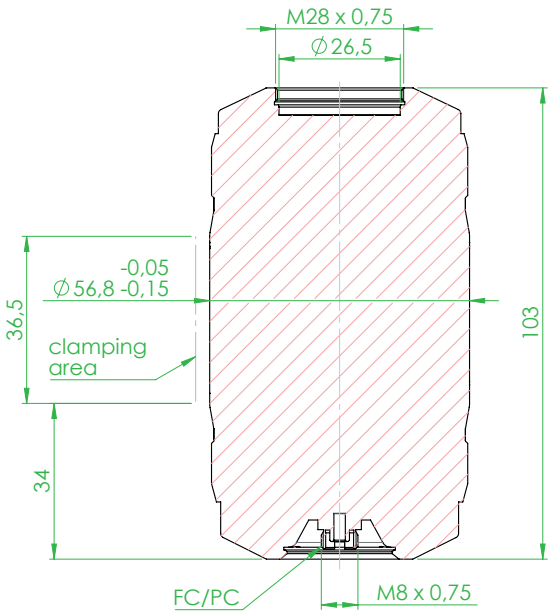
= Adjustable beam diameter while keeping constant divergence at design wavelength

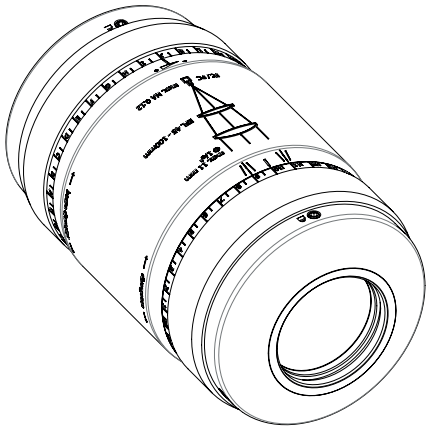
= Precise adjusting of divergence is also possible

= Perfect for illumination of a|TopShape, a|AiryShape and a|SqAiryShape, as separate adjustment of divergence and beam diameter allows perfect input conditions

= Laser induced damage threshold: 12J/cm², 100Hz, 6ns, 532nm

Technical Dimensions:





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VCM25-10-B-632

The fiber collimation device a|VariColl generates perfect input conditions for all following beam shaping optics. The adjustable EFL allows compensation of variations in the fiber NA. Thanks to the most precise optics as well as a sophisticated optical and mechanical design, modifications of beam size and divergence angle can be performed independently and without any effort. The a|VariColl impresses with a compact design and allows finest adjustments for output beam diameter and divergence.

Key Benefits:

= Design wavelength: 632 nm, usable wavelength range: 600 – 685 nm

= Effective focal length 46 –99.5 mm

= Obtain collimated beam with 10 mm diameter for fiber NAs in range of 0.055 to 0.12

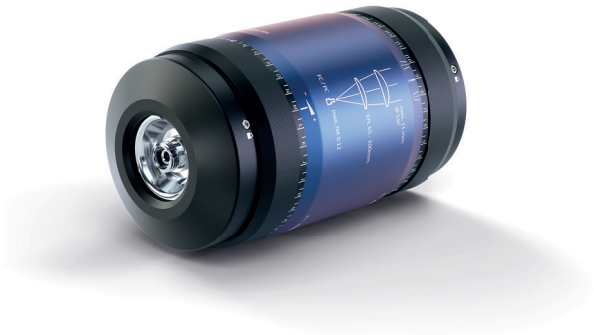
= Generation of collimated diffraction-limited beams up to 11 mm $1/e^2$ with RMS wavefront error < 50 mλ

= Adjustable beam diameter while keeping constant divergence at design wavelength

= Precise adjusting of divergence is also possible

= Perfect for illumination of a|TopShape, a|AiryShape and a|SqAiryShape, as separate adjustment of divergence and beam diameter allows perfect input conditions

= Laser induced damage threshold: 12J/cm², 100Hz, 6ns, 532nm



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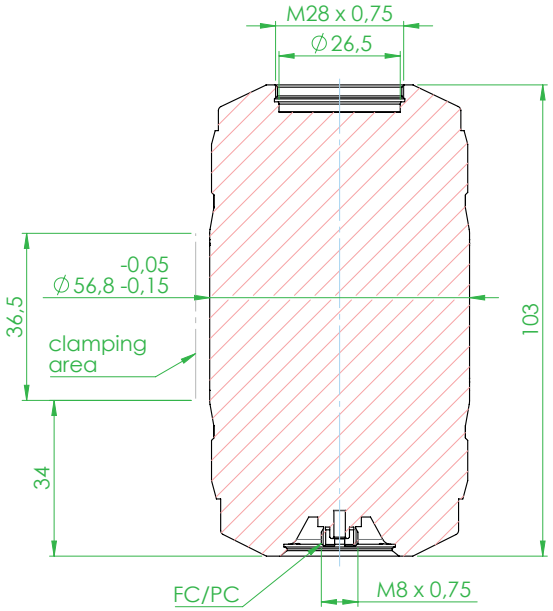

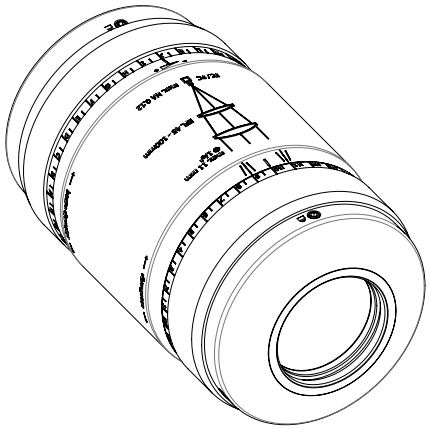

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VCM25-10-B-780

The fiber collimation device a|VariColl generates perfect input conditions for all following beam shaping optics. The adjustable EFL allows compensation of variations in the fiber NA. Thanks to the most precise optics as well as a sophisticated optical and mechanical design, modifications of beam size and divergence angle can be performed independently and without any effort. The a|VariColl impresses with a compact design and allows finest adjustments for output beam diameter and divergence.

Key Benefits:

= Design wavelength: 780 nm, usable wavelength range: 700 – 880 nm

= Effective focal length 46.5 – 100 mm

= Obtain collimated beam with 10 mm diameter for fiber NAs in range of 0.055 to 0.12

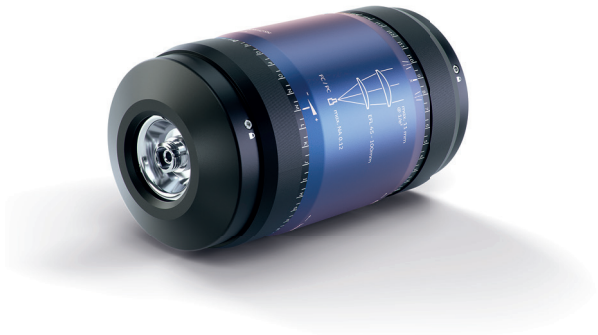
= Generation of collimated diffraction-limited beams up to 11 mm $1/e^2$ with RMS wavefront error < 50 mλ

= Adjustable beam diameter while keeping constant divergence at design wavelength

= Precise adjusting of divergence is also possible

= Perfect for illumination of a|TopShape, a|AiryShape and a|SqAiryShape, as separate adjustment of divergence and beam diameter allows perfect input conditions

= Laser induced damage threshold: 12J/cm², 100Hz, 6ns, 532nm



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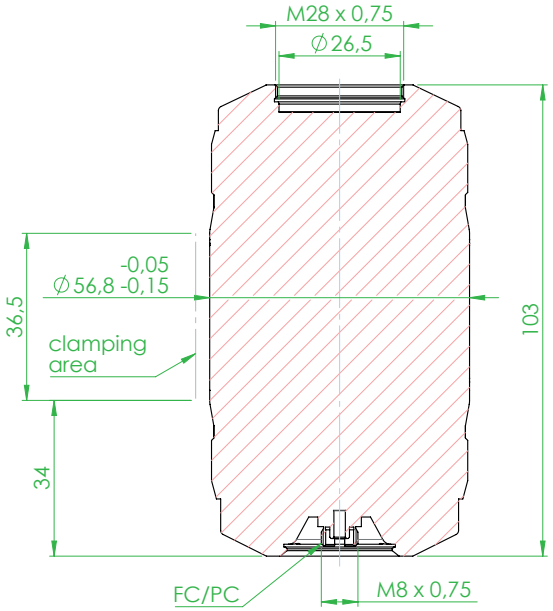

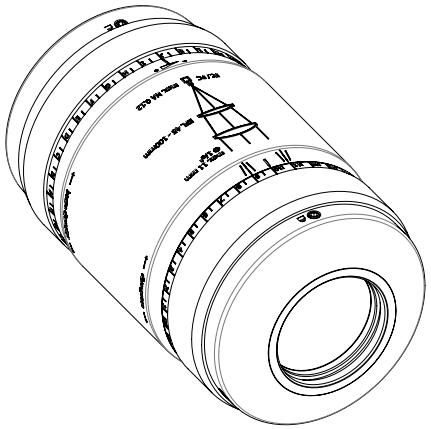

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VCM25-10-C-1064

The fiber collimation device a|VariColl generates perfect input conditions for all following beam shaping optics. The adjustable EFL allows compensation of variations in the fiber NA. Thanks to the most precise optics as well as a sophisticated optical and mechanical design, modifications of beam size and divergence angle can be performed independently and without any effort. The a|VariColl impresses with a compact design and allows finest adjustments for output beam diameter and divergence.

Key Benefits:

= Design wavelength: 1064 nm, usable wavelength range: 1000 – 1200 nm

= Effective focal length 47 – 101 mm

= Obtain collimated beam with 10 mm diameter for fiber NAs in range of 0.055 to 0.12

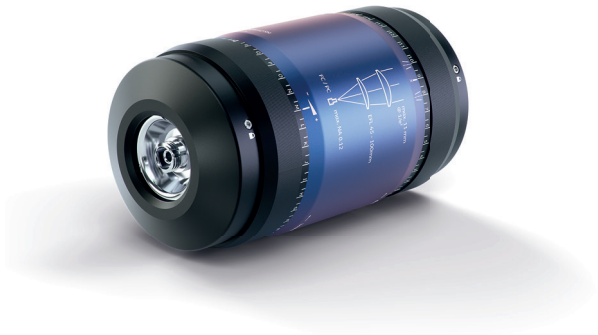
= Generation of collimated diffraction-limited beams up to 11 mm $1/e^2$ with RMS wavefront error < 50 mλ

= Adjustable beam diameter while keeping constant divergence at design wavelength

= Precise adjusting of divergence is also possible

= Perfect for illumination of a|TopShape, a|AiryShape and a|SqAiryShape, as separate adjustment of divergence and beam diameter allows perfect input conditions

= Laser induced damage threshold: 12J/cm², 100Hz, 6ns, 532nm



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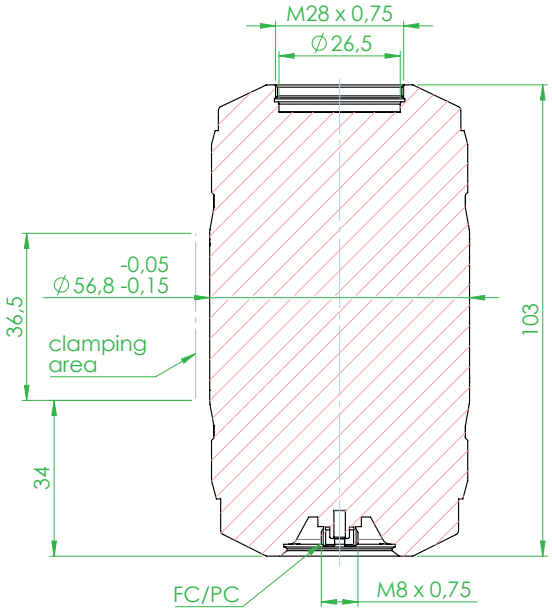

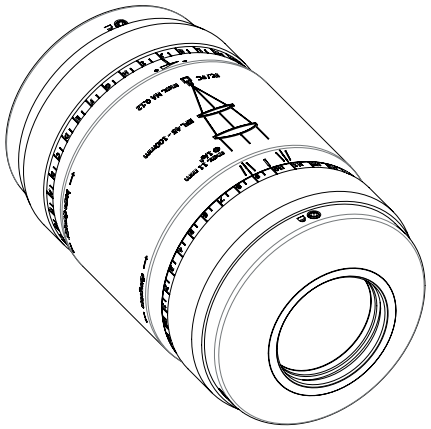

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a|SqAiryShape

SQM25-10-Y-355

Want to create squared Top-Hat profiles in the focus? No problem with the a|SqAiryShape. This beam shaper generates in combination with a focusing lens different squared focused beam profiles (e.g. Top-Hat, Donut) from collimated Gaussian beams. It impresses with a compact design (only 17.3 mm in length) and can be easily incorporated into existing application set-ups.

Key Benefits:

= Design wavelength: 355 nm, usable wavelength range: 320 - 450 nm

= Also available design wavelengths [532 nm / 632 nm / 780 nm / 1064 nm]

= Generation of different squared beam profiles (e.g. Top-Hat, Donut, Beam Waist)

= Profile size easily scalable by focal length

= Easy integration into existing set-ups

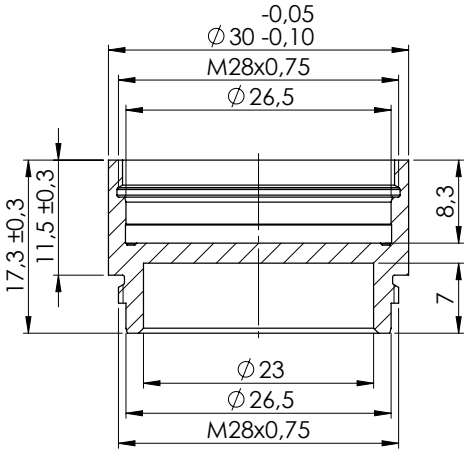
= Perfect alignment by high-precision mounting

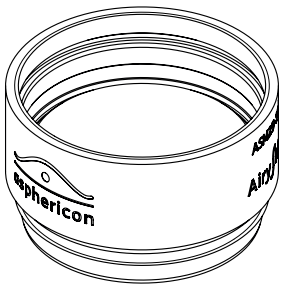
= Compact design

= Input beam diameter @ $1/e^2$ = 10 mm; output beam diameter d_{Airy} = 10 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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a|AiryShape

SQM25-10-A-532

Want to create squared Top-Hat profiles in the focus? No problem with the a|SqAiryShape. This beam shaper generates in combination with a focusing lens different squared focused beam profiles (e.g. Top-Hat, Donut) from collimated Gaussian beams. It impresses with a compact design (only 17.3 mm in length) and can be easily incorporated into existing application set-ups.

Key Benefits:

= Design wavelength: 532 nm, usable wavelength range: 500 - 620 nm

= Also available design wavelengths [355 nm / 632 nm / 780 nm / 1064 nm]

= Generation of different beam profiles (e.g. Top-Hat, Donut, Beam Waist)

= Profile size easily scalable by focal length

= Easy integration into existing set-ups

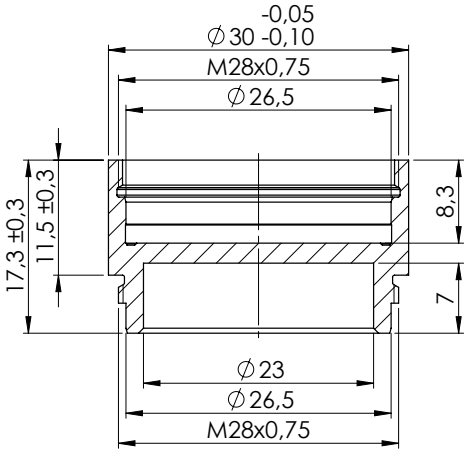
= Perfect alignment by high-precision mounting

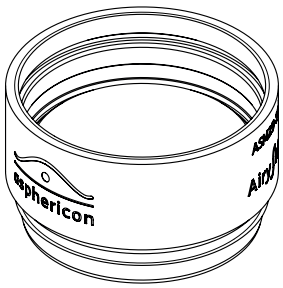
=Compact design

= Input beam diameter @ $1/e^2$ = 10 mm; output beam diameter d_{Airy} = 10 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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a|AiryShape

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SQM25-10-A-632

Want to create squared Top-Hat profiles in the focus? No problem with the a|SqAiryShape. This beam shaper generates in combination with a focusing lens different squared focused beam profiles (e.g. Top-Hat, Donut) from collimated Gaussian beams. It impresses with a compact design (only 17.3 mm in length) and can be easily incorporated into existing application set-ups.

Key Benefits:

= Design wavelength: 632 nm, usable wavelength range: 600 - 760 nm

= Also available design wavelengths [355 nm / 532 nm / 780 nm / 1064 nm]

= Generation of different beam profiles (e.g. Top-Hat, Donut, Beam Waist)

= Profile size easily scalable by focal length

= Easy integration into existing set-ups

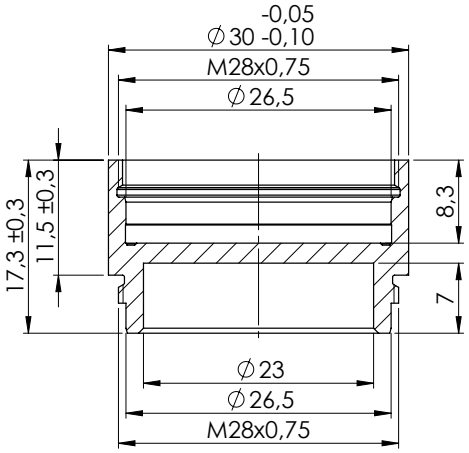
= Perfect alignment by high-precision mounting

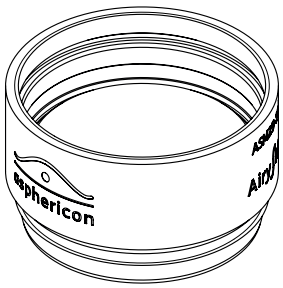
=Compact design

= Input beam diameter @ $1/e^2$ = 10 mm; output beam diameter d_{Airy} = 10 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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a|AiryShape

SQM25-10-B-780

Want to create squared Top-Hat profiles in the focus? No problem with the a|SqAiryShape. This beam shaper generates in combination with a focusing lens different squared focused beam profiles (e.g. Top-Hat, Donut) from collimated Gaussian beams. It impresses with a compact design (only 17.3 mm in length) and can be easily incorporated into existing application set-ups.

Key Benefits:

= Design wavelength: 780 nm, usable wavelength range: 700 - 1050 nm

= Also available design wavelengths [355 nm / 532 nm / 632 nm / 1064 nm]

= Generation of different beam profiles (e.g. Top-Hat, Donut, Beam Waist)

= Profile size easily scalable by focal length

= Easy integration into existing set-ups

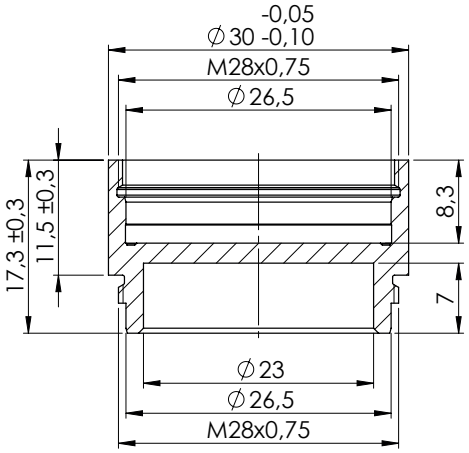
= Perfect alignment by high-precision mounting

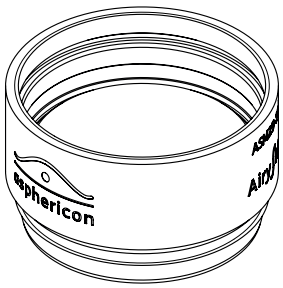
=Compact design

= Input beam diameter @ $1/e^2$ = 10 mm; output beam diameter d_{Airy} = 10 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
For higher laser power applications please request a V-Coating.
Contact us for an individual offer.

Technical Dimensions:





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a|AiryShape

SQM25-10-C-1064

Want to create squared Top-Hat profiles in the focus? No problem with the a|SqAiryShape. This beam shaper generates in combination with a focusing lens different squared focused beam profiles (e.g. Top-Hat, Donut) from collimated Gaussian beams. It impresses with a compact design (only 17.3 mm in length) and can be easily incorporated into existing application set-ups.

Key Benefits:

= Design wavelength: 1064 nm, usable wavelength range: 1000 - 1500 nm

= Also available design wavelengths [355 nm / 532 nm / 632 nm / 780 nm]

= Generation of different beam profiles (e.g. Top-Hat, Donut, Beam Waist)

= Profile size easily scalable by focal length

= Easy integration into existing set-ups

= Perfect alignment by high-precision mounting

=Compact design

= Input beam diameter @ $1/e^2$ = 10 mm; output beam diameter d_{Airy} = 10 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
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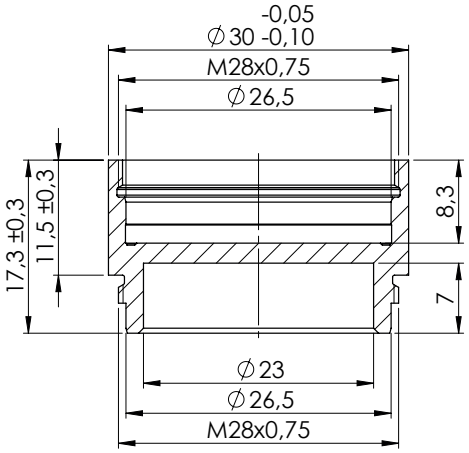
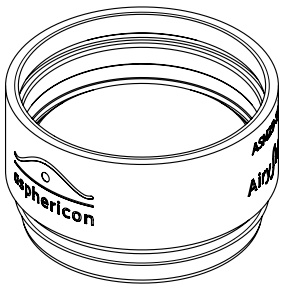
Technical Dimensions:





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a|TopHat Tune

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TTC25-10-Y-355

XXX

Key Benefits:

= Design wavelength: 355 nm, usable wavelength range: 320 - 450 nm

= Also available design wavelengths [532 nm / 632 nm / 780 nm / 1064 nm]

= Generation of different squared beam profiles (e.g. Top-Hat, Donut, Beam Waist)

= Profile size easily scalable by focal length

= Easy integration into existing set-ups

= Perfect alignment by high-precision mounting

= Compact design

= Input beam diameter @ $1/e^2$ = 10 mm; output beam diameter d_{Airy} = 10 mm

= Laser induced damage threshold: 12 J/cm², 100 Hz, 6 ns, 532 nm
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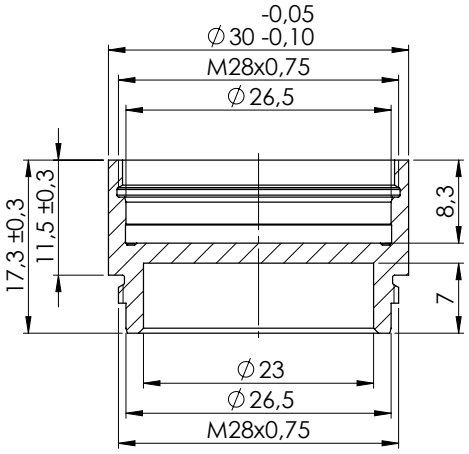
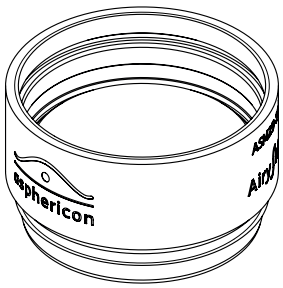
Technical Dimensions:





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