

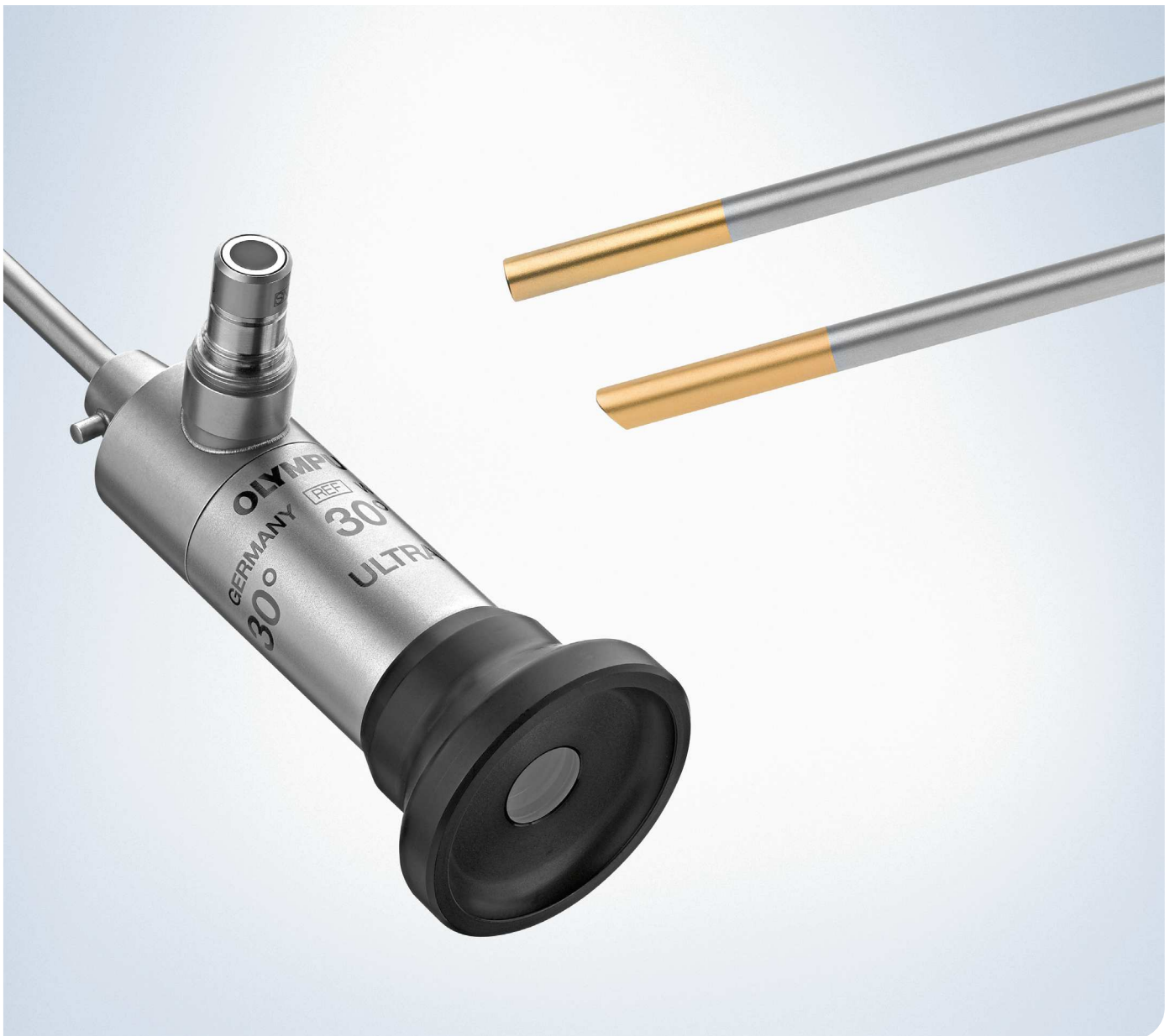
Arthroscopy

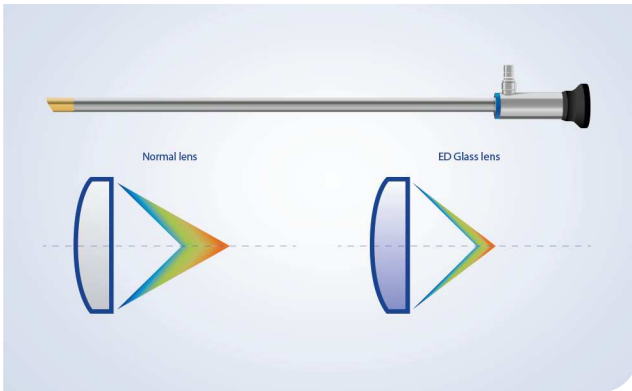
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4 mm ULTRA Arthroscopes

Ultra High Definition





ED glass lenses – razor-sharp images

- Optimized for high-resolution imaging
- High contrast at high spatial frequencies

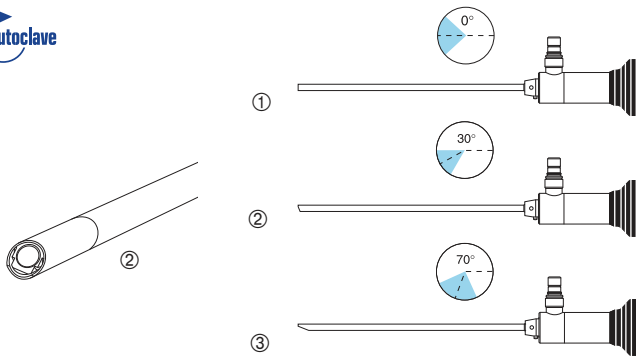


- Wide field of view 115°
- Full autoclavability: Reduced waste due to full reusability of the telescopes
- Compatibility to existing Olympus arthroscopy shafts
- Mechanically compatible to standardized camera heads (Olympus and other manufacturers that comply with DIN58105).
- Mechanical compatibility to current Olympus light-guide cables without adaptor
- Efficacy verified for selected autoclavability and Sterrad procedures

4 mm ULTRA Arthroscopes

Ultra High Definition

ULTRA Arthroscopes



- ① **WA4KA400** ULTRA Telescope, 4 mm, 0°
- ② **WA4KA430** ULTRA Telescope, 4 mm, 30°
- ③ **WA4KA470** ULTRA Telescope, 4 mm, 70°

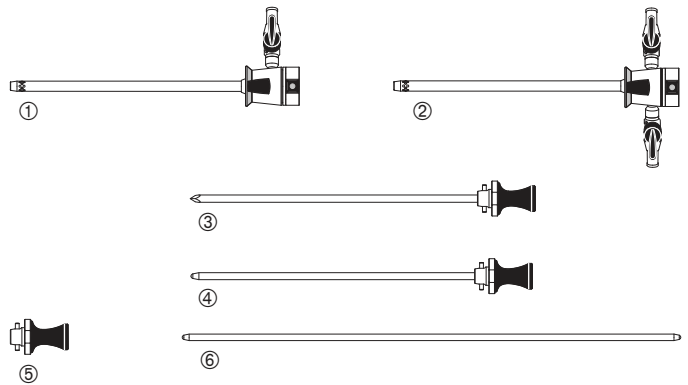
Technical Data

Working length	
WA4KA400.....	158.3 mm
WA4KA430.....	158.8 mm
WA4KA470.....	161.6 mm
Maximum insertion portion width	
WA4KA400, WA4KA430, WA4KA470.....	4.05 mm
Direction of view	
WA4KA400.....	0°
WA4KA430.....	30°
WA4KA470.....	70°
Field of view	
WA4KA400, WA4KA430, WA4KA470.....	115°
Operation conditions	
Ambient temperature.....	10 – 35 °C
Humidity.....	30 – 85 % rel.
Atmospheric pressure.....	700 – 1060 hPa
Storage conditions	
Temperature.....	10 – 40 °C
Humidity.....	30 – 85 % rel.
Transport conditions	
Temperature.....	-40 – 70 °C
Humidity.....	10 – 95 % rel.

Equipment

- 📦 For 4K camera head, see page 484.
- 📦 For Video System OTV-S400, see page 483.
- 📦 For CLV-S400 Light Source, see page 485.
- 📦 For Cannulas, Adapters and Stopcocks, see page 56.

4 mm Trocars and Accessories



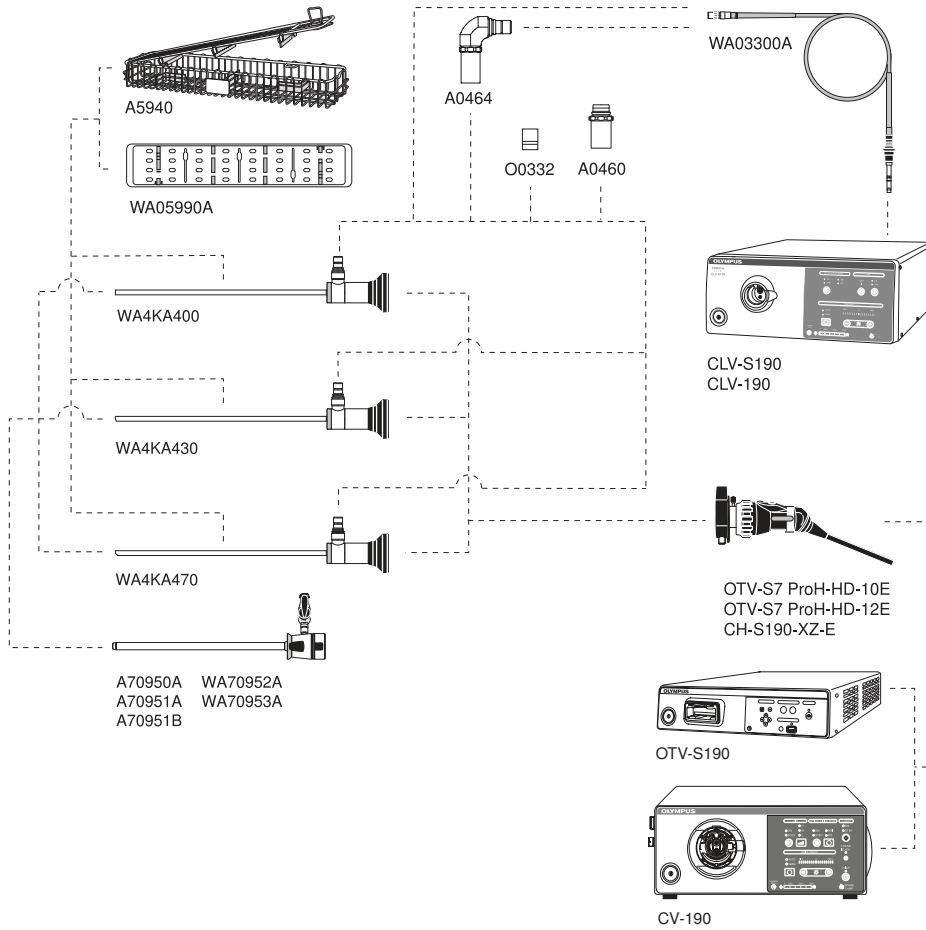
- ① **A70950A** Trocar tube, 1 stopcock, rotatable, high-flow
- WA70952A** Trocar tube, 1 stopcock, rotatable, standard flow
- ② **A70951A** Trocar tube, 2 stopcocks, rotatable, high-flow
- WA70951B** Trocar tube, 2 stopcocks, rotatable, high-flow, without holes
- WA70953A** Trocar tube, 2 stopcocks, rotatable, standard flow
- ③ **A70954A** Trocar spike, triangular
- ④ **A70955A** Trocar spike, blunt
- ⑤ **A70959A** Cover, for trocars, for lavage
- ⑥ **A70958A** Guiding rod, 4 mm



4 mm ULTRA Arthroscopes

Ultra High Definition
System Chart

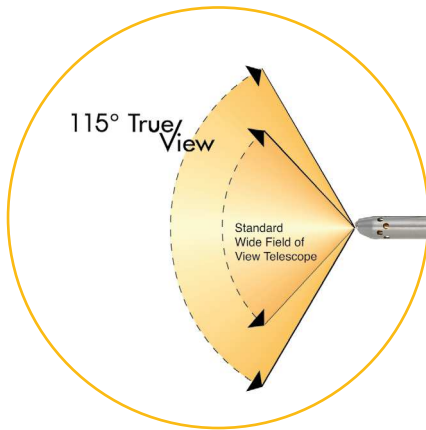
System Chart



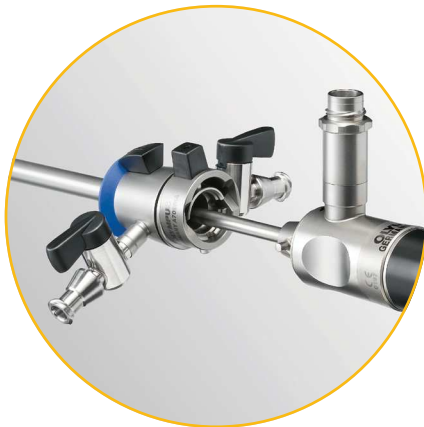
TrueView II

A Further Step in Arthroscopy





Olympus TrueView II telescopes are based on a completely new and revolutionary lens system. The unique wide field of view allows a tremendous image size with low distortion. The 115° field of view supports easy navigation in the joint with less rotation of the telescope. Beyond that a quick-lock mechanism for tight and secure camera connection is used. The overall quality of Olympus telescopes is reflected by a special warranty on autoclavability. It is the combination of outstanding optical performance and durable mechanical design that makes Olympus telescopes something special.

**VISERA**

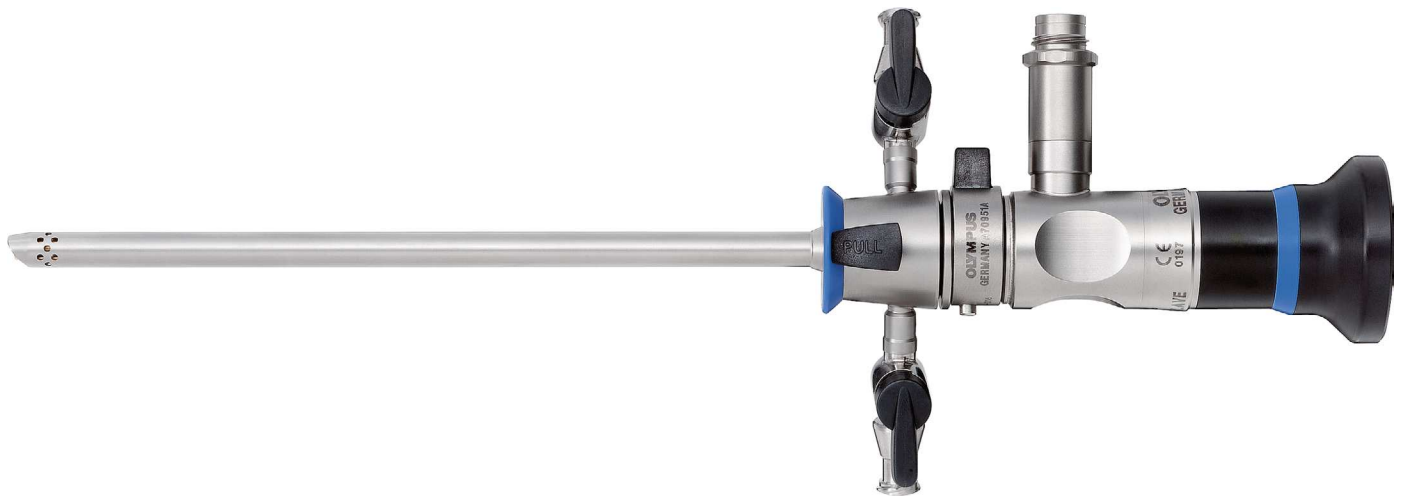
Arthroscopy continuously demands innovative developments. It has, therefore, always been a challenge for Olympus to present not only new but also unique products. Based on our intensive cooperation with leading surgeons arthroscopes with outstanding features and benefits were designed.

Quick-lock:

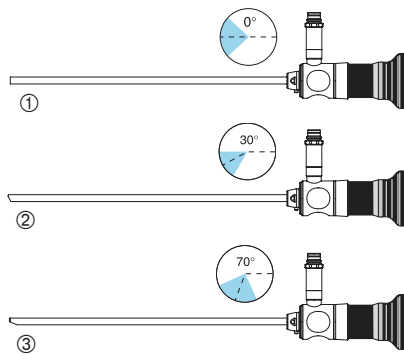
- Allows to put on and take off arthroscopes with just one touch. Plus, it has minimal projection, making it easier to handle and obtain perfect viewing position.
- Automatic click connector
- High-flow trocar design

4 mm Arthroscopes

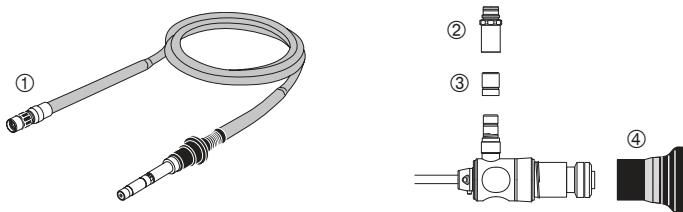
TrueView II



- 115° wide angle field of view
- Nearly distortion-free image
- Automatic click-connector
- High-flow trocar design

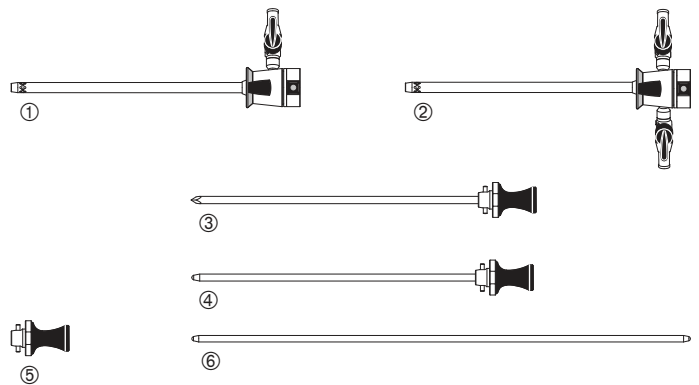
4 mm TrueView II Telescopes


- ① **A70940A** Telescope, autoclavable, 0° direction of view, 115° field of view, 160 mm working length
- ② **A70941A** Telescope, autoclavable, 30° direction of view, 115° field of view, 160 mm working length
- ③ **A70942A** Telescope, autoclavable, 70° direction of view, 115° field of view, 160 mm working length

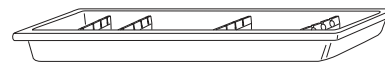
Accessories and Spare Parts for Telescopes


- ① **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cables
- ③ **00332** Light-guide adapter, for Wolf light-guide cables
- ④ **A5333** Eyepiece cup, for telescopes

For Cannulas, Adapters and Stopcocks, see page 56.

4 mm Trocars and Accessories


- ① **A70950A** Trocar tube, 1 stopcock, rotatable, high-flow
WA70952A Trocar tube, 1 stopcock, rotatable, standard flow
- ② **A70951A** Trocar tube, 2 stopcocks, rotatable, high-flow
WA70951B Trocar tube, 2 stopcocks, rotatable, high-flow, without holes
WA70953A Trocar tube, 2 stopcocks, rotatable, standard flow
- ③ **A70954A** Trocar spike, triangular
- ④ **A70955A** Trocar spike, blunt
- ⑤ **A70959A** Cover, for trocars, for lavage
- ⑥ **A70958A** Guiding rod, 4 mm
A00507A Sealing, set (not shown), for A70950A/-951A, WA70951B/-52A/53A

Insert Tray for Arthroscopy


- A05951A** Insert tray, for TrueView II

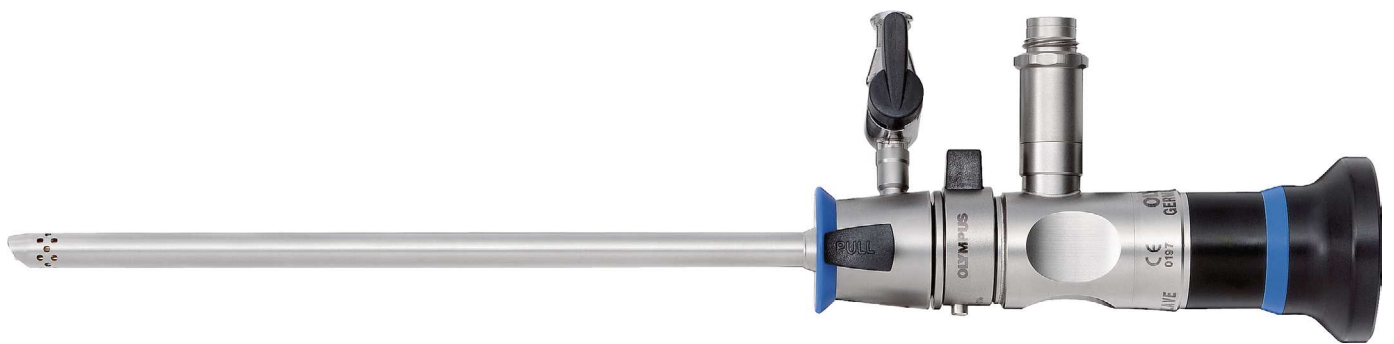
For plastic instrument trays, see page 651.

Accessories


- A7535** Cannula, 3.2 mm, for drainage

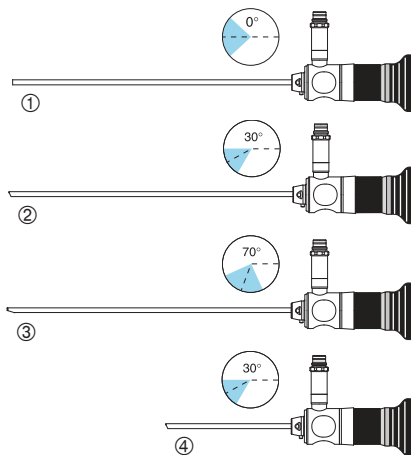
2.7 mm Arthroscopes

TrueView II



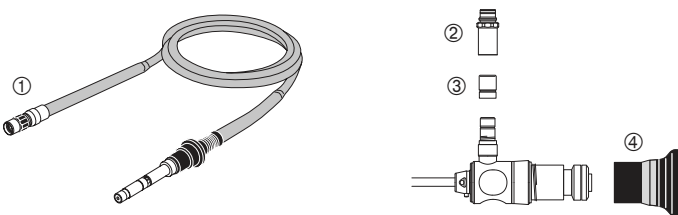
- Image size same as with 4 mm telescopes
- Standard and high-flow trocars
- Two working lengths for 30° system
- Long lasting design

2.7 mm TrueView II Telescopes



- ① **A70960A** Telescope, autoclavable, 0° direction of view, wide angle field of view, 160 mm working length
- ② **A70961A** Telescope, autoclavable, 30° direction of view, wide angle field of view, 160 mm working length
- ③ **A70962A** Telescope, autoclavable, 70° direction of view, wide angle field of view, 160 mm working length
- ④ **A70963A** Telescope, autoclavable, 30° direction of view, wide angle field of view, 70 mm working length

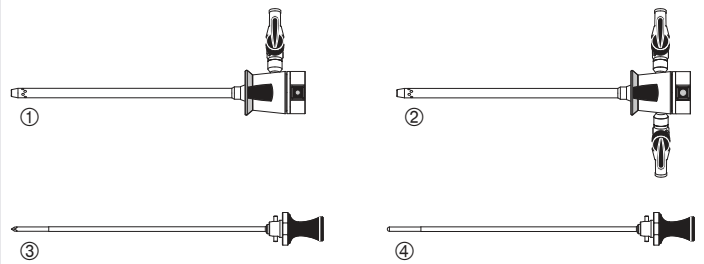
Accessories and Spare Parts



- ① **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cables
- ③ **00332** Light-guide adapter, for Wolf light-guide cables
- ④ **A5333** Eyepiece cup, for telescopes

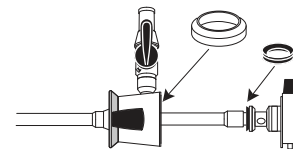
For Cannulas, Adapters and Stopcocks, see page 56.

2.7 mm Trocars and Accessories



- ① **A70970A** Trocar tube, rotatable, 1 stopcock, for 160 mm telescopes, high-flow
- WA70990A** Trocar tube, rotatable, 1 stopcock, for 160 mm telescopes, standard flow
- WA70992A** Trocar tube, rotatable, 1 stopcock, for 70 mm telescopes, standard flow
- ② **A70971A** Trocar tube, rotatable, 2 stopcocks, for 160 mm telescopes, high-flow
- WA70991A** Trocar tube, rotatable, 2 stopcocks, for 160 mm telescopes, standard flow
- WA70993A** Trocar tube, rotatable, 2 stopcocks, for 70 mm telescopes, standard flow
- ③ **A70974A** Trocar spike, triangular, for 160 mm telescopes
- A70978A** Trocar spike, triangular, for 70 mm telescopes
- ④ **A70975A** Trocar spike, blunt, for 160 mm telescopes
- A70979A** Trocar spike, blunt, for 70 mm telescopes

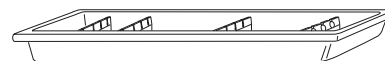
Spare Parts for Trocar Tubes



- A00507A** Sealing, set

Set of spare sealing rings:
Contains 2 large sealings (transparent) and 5 small sealings (black).

Insert Tray for Arthroscopy



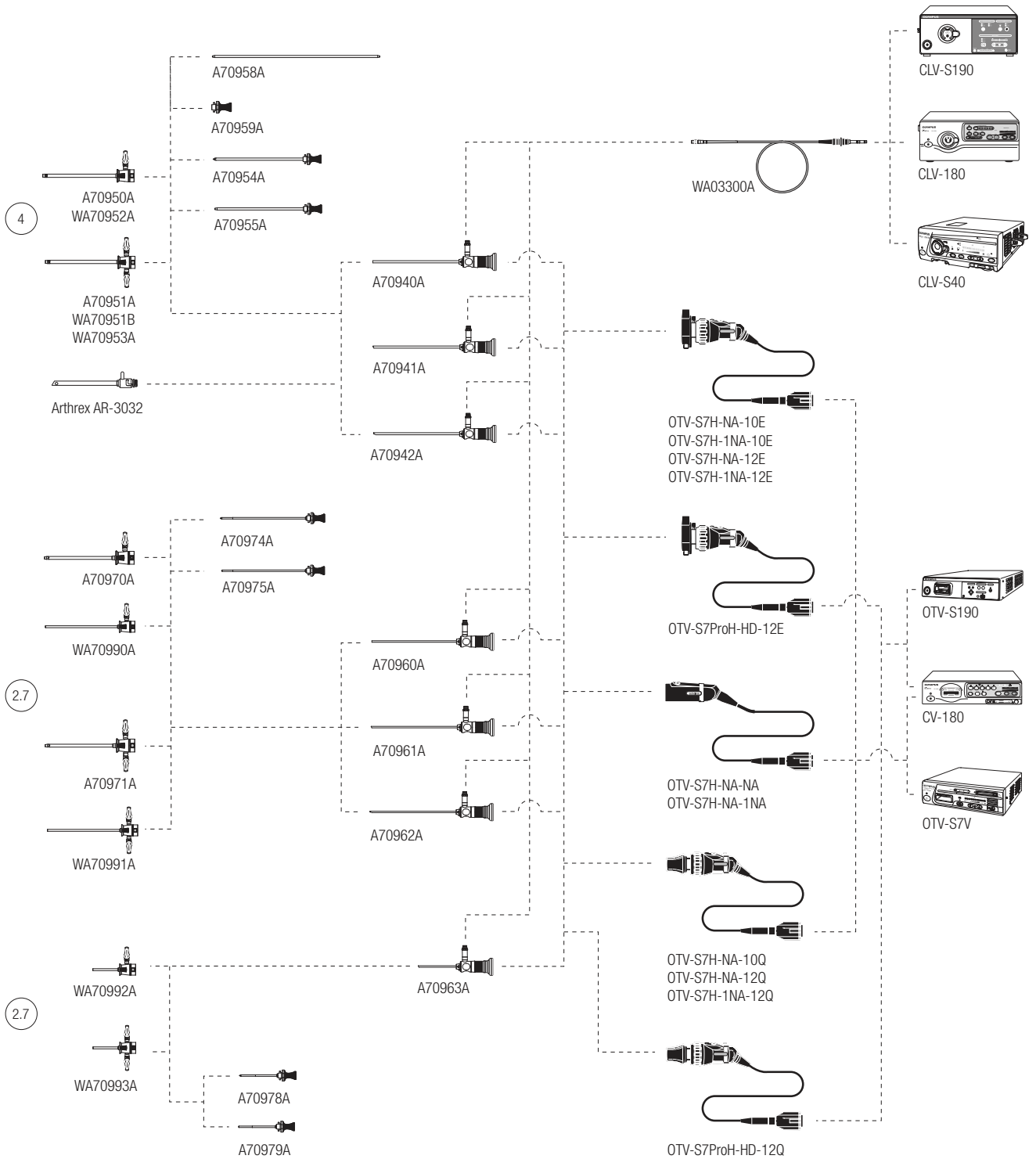
- A05951A** Insert tray, for TrueView II

For plastic instrument trays, see page 651.

TrueView II

System Chart

System Chart





1.9 mm Telescopes

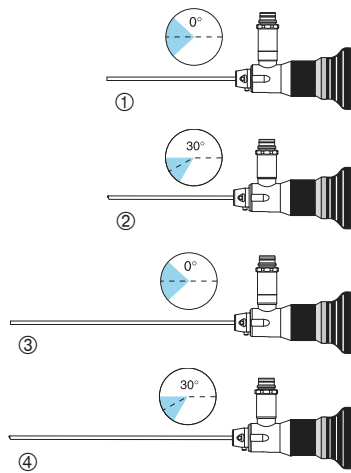
Mini-TrueView



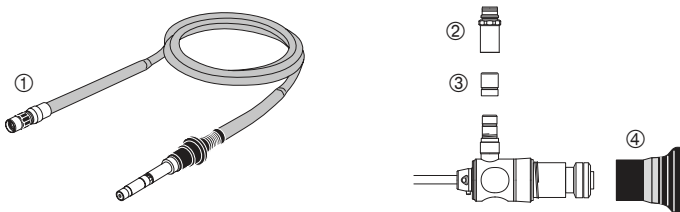
Based on the TrueView II design, a new generation of 1.9 mm telescopes for small joint arthroscopy is available. The new telescope class is fully autoclavable and very durable thanks to Olympus advanced fiber technology. For the surgeon, this telescope class means bright images, brilliant color reproduction, high resolution and ergonomic design.

- High durability
- Automatic click-connector
- Graduated trocars

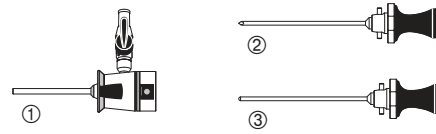


1.9 mm Telescopes


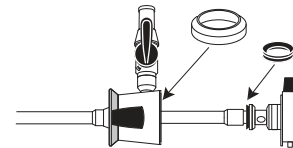
- ① **A7504A** Telescope, autoclavable, 0° direction of view, 65 mm working length
- ② **A7505A** Telescope, autoclavable, 30° direction of view, 65 mm working length
- ③ **A7506A** Telescope, autoclavable, 0° direction of view, 115 mm working length
- ④ **A7507A** Telescope, autoclavable, 30° direction of view, 115 mm working length

Accessories and Spare Parts


- ① **WA03300A** Light-guide cable, 2.8 mm, 3 m, CF type
- ② **A0460** Light-guide adapter, for OES 4000 light-guide cables
- ③ **O0332** Light-guide adapter, for Wolf light-guide cables
- ④ **A5333** Eyepiece cup, for telescopes

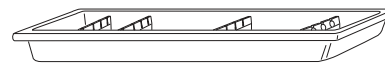
1.9 mm Trocars and Accessories


- ① **WA70994A** Trocar tube, 1 stopcock, rotatable, graduated, for 65 mm telescopes
- WA70995A** Trocar tube, 1 stopcock, rotatable, graduated, for 115 mm telescopes
- ② **A7517** Trocar spike, triangular, for 65 mm telescopes
- ③ **A7519** Trocar spike, blunt, for 65 mm telescopes

Spare Parts


- A00507A** Sealing, set

Set of spare sealing rings:
Contains 2 large sealings (transparent) and 5 small sealings (black).

Insert Tray for Arthroscopy


- A05951A** Insert tray, for Mini-TrueView

For plastic instrument trays, see page 651.