



***Med-line  
endoscopes***



***The Ray of Light in minimal-invasive  
Diagnostics and Therapy***

***Arthroscopy from HSW*** ◀



## ▶ *HSW – Our Features – your Benefits*

*Brilliant high-definition image  
and exceptional image bright-  
ness for an optimal result:*

- ▶ High-quality, multicoated (anti-reflective) optical system
- ▶ Superb optical transmission
- ▶ Highly refractive glass for optimal colour rendering even when the image is magnified
- ▶ Extremely precise centring of the optical and mechanical components for an image that is brilliant and high-contrast even around the edges
- ▶ High-performance illumination fibres
- ▶ High-quality glass cone for optimising light transmission





*Outstanding autoclavable perfor-  
mance and ultra-high durability  
for a reliable and cost-efficient  
application:*

- ▶ Sealing of the optical system without using adhesive or elastomers but through laser welding and a special HSW soldering process
- ▶ Use of high-quality sapphires at the distal and proximal end as well as stainless steel for the shaft and the body
- ▶ Triple tube design for higher stability with many types of endoscopes
- ▶ Nitrogen filled optical system to avoid interior condensation



## Arthroscopes

						
<i>Diameter</i>	2.7 mm			4.0 mm		
<i>Working length</i>	approx. 195 mm			approx. 185 mm		
<i>Locking device</i>	Storz type			Storz type		
<i>Direction of view</i>	0°	30°	70°	0°	30°	70°
<i>Article no. autoclavable</i>	719 725 2700	719 725 2730	719 725 2770	719 723 0409	719 723 0439	719 723 0479
<i>Trocar sheath with 2 rotatable stopcocks</i>	701 714 0165			701 713 0165		
<i>Trocar sheath with 1 rotatable stopcock</i>	-			701 713 0150		
<i>Trocar sheath with 2 fixed stopcocks</i>	-			701 713 0160		
<i>Trocar sheath with 1 fixed stopcock</i>	701 714 0160			-		
<i>Trocar with triangular tip</i>	701 714 0175			701 713 0175		
<i>Obturator blunt</i>	701 714 0170			701 713 0170		
<i>Obturator conical blunt</i>	701 714 0180			701 713 0180		

## Short Arthroscopes

						
<i>Diameter</i>	1.9 mm			2.7 mm		
<i>Working length</i>	approx. 60 mm			approx. 140 mm		
<i>Locking device</i>	Storz type			Storz type		
<i>Direction of view</i>	0°	30°	-	0°	30°	70°
<i>Article no. autoclavable</i>	719 720 1900	719 720 1930	-	719 720 2700	719 720 2730	719 720 2770
<i>Trocar sheath with 2 rotatable stopcocks</i>	-			701 720 0165		
<i>Trocar sheath with 1 rotatable stopcock</i>	-			701 720 0150		
<i>Trocar sheath with 2 fixed stopcocks 110°</i>	701 220 0166			-		
<i>Trocar sheath with 1 fixed stopcock</i>	701 220 0160			701 720 0160		
<i>Trocar with triangular tip</i>	701 220 0175			701 720 0175		
<i>Obturator blunt</i>	701 220 0170			701 720 0170		
<i>Obturator conical blunt</i>	701 220 0180			701 720 0180		



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