



# **Aluminium** Needleholders

With Ergonomic Axial Handle

# Axial Needleholders

## Key Features

- Extremely light-weight and ergonomic **aluminum handles**
- Total weight of **under 120 g**
- **Maneuverability is enhanced** while reducing fatigue
- Unique overload protection to **avoid needle breakage**
- Also available in **Ø 3 mm for Miniature Laparoscopy** procedures



## ... more Features

- Adjustable ratchet
- Despite its weight very robust and durable
- Instrument cleaning port
- 5 mm sheath diameter
- With 330 mm or 450 mm working length for Standard Laparoscopy and 260 mm or 450 mm working length for Miniature Laparoscopy

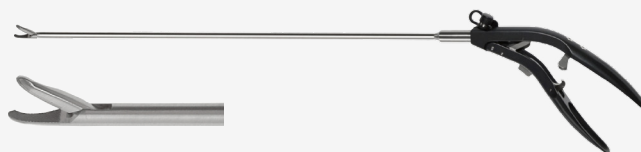


## Axial Needleholders, Straight Jaws



	Length		Item no.
	330 mm	450 mm	
<b>Axial needleholder</b> , straight jaws, angled handle, Ø 5 mm	•		<b>13-1591P</b>
<b>Axial needleholder</b> , straight jaws, angled handle, Ø 5 mm		•	<b>13-1591P-45</b>

## Axial Needleholders, Right Curved Jaws



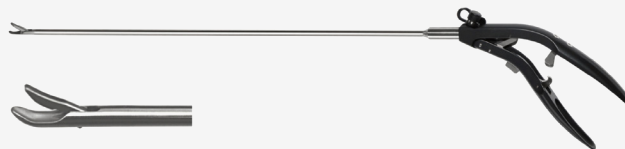
	Length		Item no.
	330 mm	450 mm	
<b>Axial needleholder</b> , right curved jaws, angled handle, Ø 5 mm	•		<b>13-1593P</b>
<b>Axial needleholder</b> , right curved jaws, angled handle, Ø 5 mm		•	<b>13-1593P-45</b>

## Axial Needleholders, Left Curved Jaws



	Length		Item no.
	330 mm	450 mm	
<b>Axial needleholder</b> , left curved jaws, angled handle, Ø 5 mm	•		<b>13-1594P</b>
<b>Axial needleholder</b> , left curved jaws, angled handle, Ø 5 mm		•	<b>13-1594P-45</b>

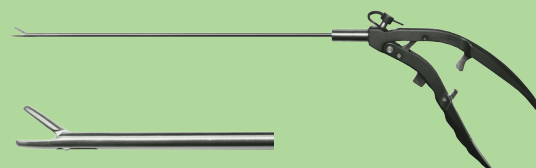
## Axial Needleholders, Self-uprighting Jaws



	Length		Item no.
	330 mm	450 mm	
<b>Axial needleholder</b> , self-upright. jaws, angled handle, Ø 5 mm	•		<b>13-1590PSFU</b>
<b>Axial needleholder</b> , self-upright. jaws, angled handle, Ø 5 mm		•	<b>13-1590PSFU-45</b>

MINI LAP

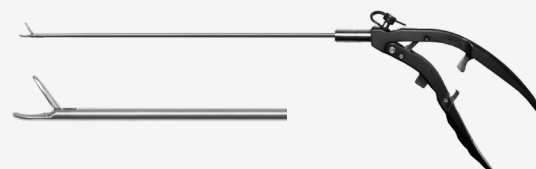
## Miniature Axial Needleholders, Straight Jaws



	Length		Item no.
	200 mm	360 mm	
<b>Miniature axial needleholder</b> , straight jaws, angled handle, Ø 3 mm	•		<b>23-3026P-20</b>
<b>Miniature axial needleholder</b> , straight jaws, angled handle, Ø 3 mm		•	<b>23-3026P</b>

MINI LAP

## Miniature Axial Needleholders, Right Curved Jaws



	Length		Item no.
	200 mm	360 mm	
<b>Miniature axial needleholder</b> , right curved jaws, angled handle, Ø 5 mm	•		<b>23-3027P-20</b>
<b>Miniature axial needleholder</b> , right curved jaws, angled handle, Ø 5 mm		•	<b>23-3027P</b>

MINILAP

## Miniature Axial Needleholders, Left Curved Jaws



	Length		Item no.
	200 mm	360 mm	
Miniature axial needleholder, left curved jaws, angled handle, Ø 3 mm	•		23-3028P-20
Miniature axial needleholder, left curved jaws, angled handle, Ø 3 mm		•	23-3028P



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