

# Extraction set for hip revisions

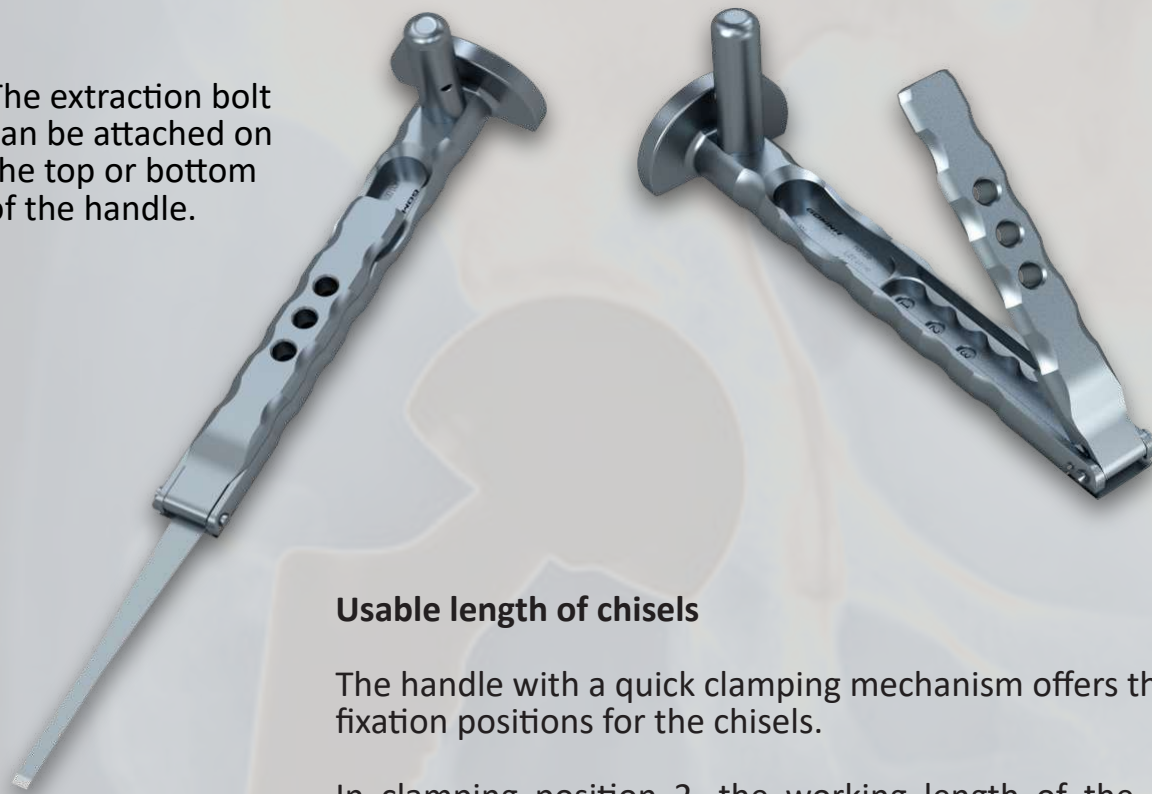
Jig-guided system

fitting **Avenir**<sup>®</sup> (Zimmer Biomet)



# Handle and extraction bolt

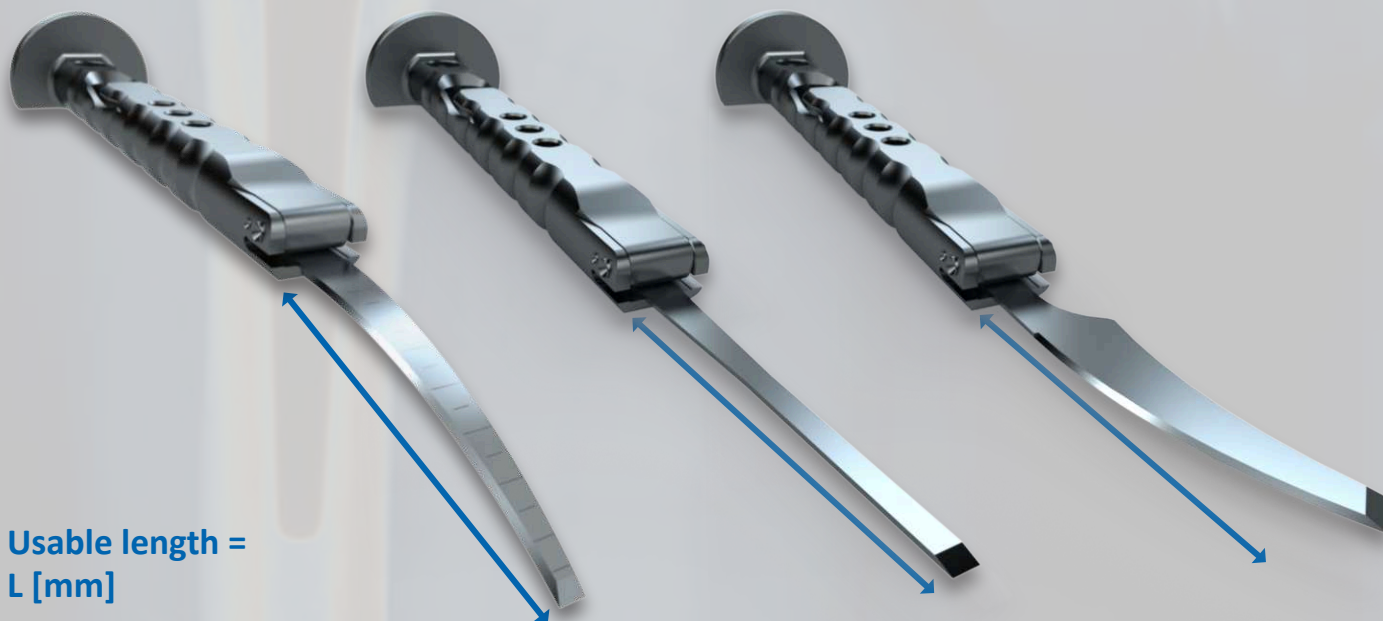
The extraction bolt can be attached on the top or bottom of the handle.



## Usable length of chisels

The handle with a quick clamping mechanism offers three fixation positions for the chisels.

In clamping position 2, the working length of the chisel is extended by 15 mm compared to position 1, and by a further 15 mm in position 3. In total, the working length can be extended by 30 mm from position 1 to position 3.

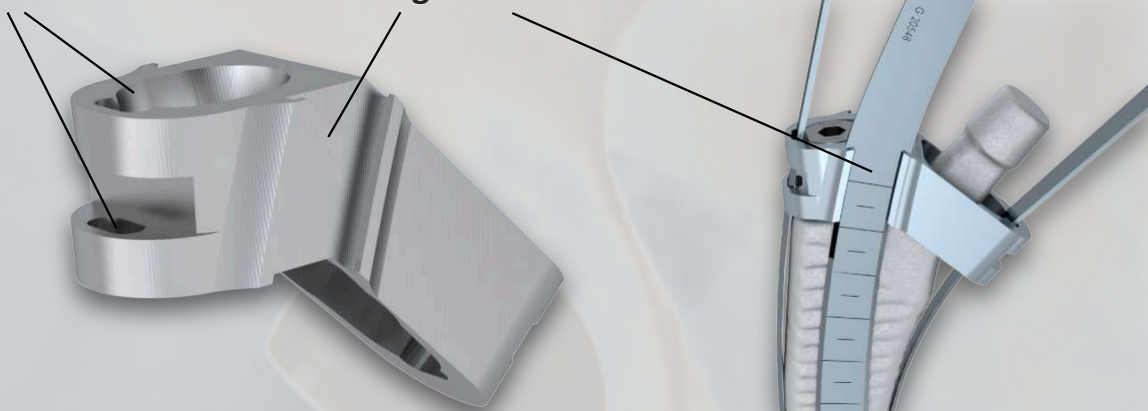


Usable length =  
L [mm]

# Jig

Guide slots

Guide grooves



The jig-guided chisels are matched to the guide slots and grooves of the corresponding jigs. The chisels are guided through both guide slots (or grooves) until the cutting edge makes contact with the bone. Then the chisels can be driven in with light hammer strikes.

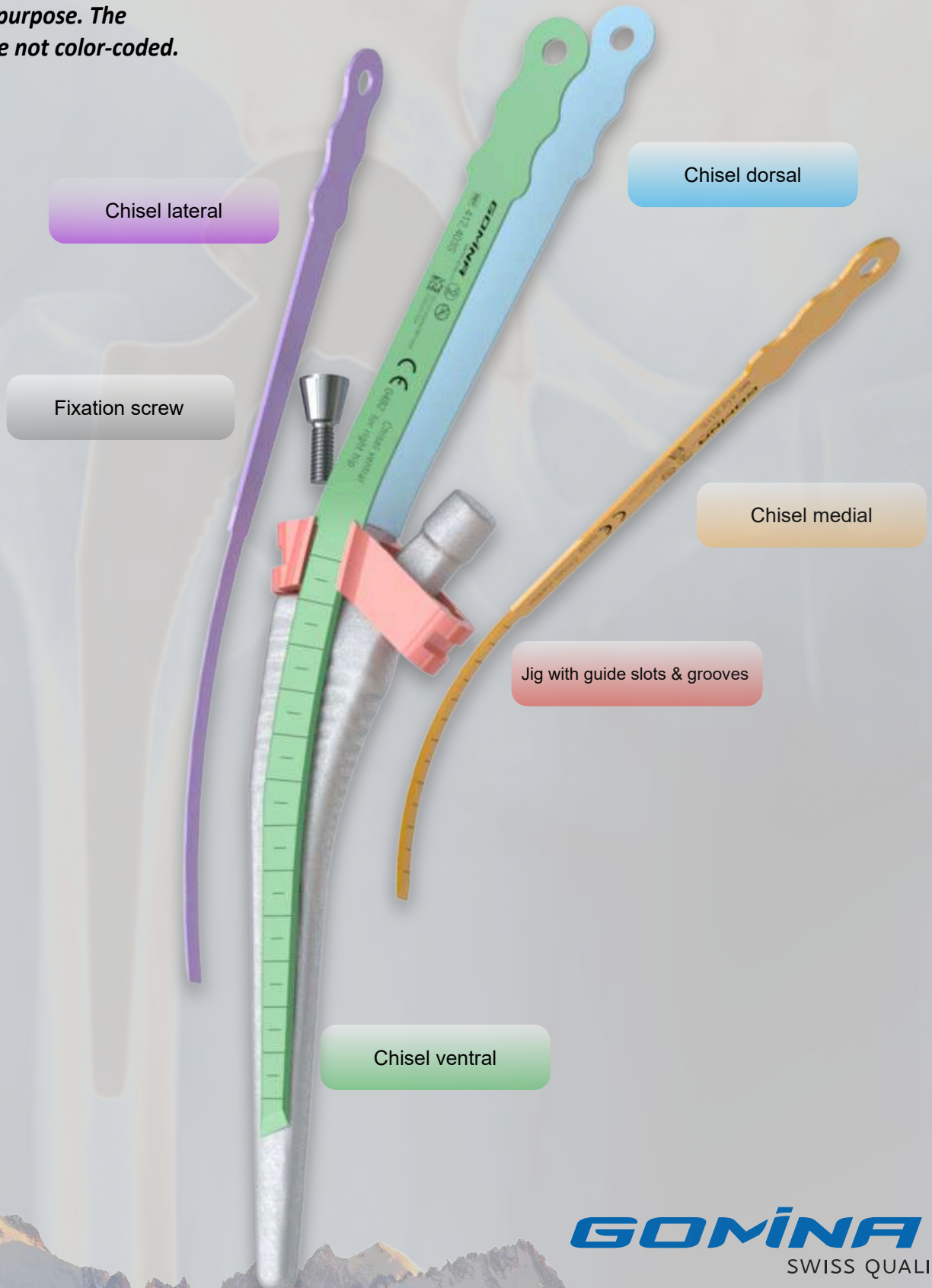
The jig is positioned on the cone of the stem and attached with the fixation screw.



The jig must be correctly positioned on the stem in the lateral-medial direction before it is fixed with the screw. Use the lateral guide slot as a reference.

# Overview of chisels with jig

*\*Note: colors are only for illustrative purpose. The products are not color-coded.*



Chisel lateral

Chisel dorsal

Fixation screw

Chisel medial

Jig with guide slots & grooves

Chisel ventral

# Indicated references by stem size

## Avenir® stem sizes 2, 3



Reference (sterile)	Article Description	L [mm]	W [mm]	T [mm]
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<b>412.201S</b>	Chisel lateral	133.0	4.8	1.19
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<b>412.211S</b>	Chisel medial	105.2	5.8	1.19
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<b>412.401S</b>	Chisel ventral for right hip	170.0	4.0	1.19
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<b>412.402S</b>	Chisel dorsal for right hip	170.0	4.0	1.19
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Ref. (non-sterile)	Article Description
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<b>412.909</b>	Jig
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<b>400.102</b>	Fixation screw
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<b>400.104</b> (short)	Allen key
<b>400.107</b> (long)	
<b>400.112</b> (with handle)	

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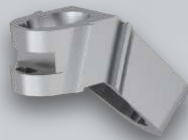
# Indicated references by stem size

## Avenir® stem size 4



Reference (sterile)	Article Description	L [mm]	W [mm]	T [mm]
<b>412.202S</b>	Chisel lateral	138.0	7.2	1.19
<b>412.211S</b>	Chisel medial	105.2	5.8	1.19
<b>412.401S</b>	Chisel ventral for right hip	170.0	4.0	1.19
<b>412.402S</b>	Chisel dorsal for right hip	170.0	4.0	1.19

Ref. (non-sterile)	Article Description
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**412.902** Jig



**400.102** Fixation screw



**400.104** (short)  
**400.107** (long)  
**400.112** (with handle)  
 Allen key

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# Indicated references by stem size

## Avenir® stem size 5



Reference (sterile)	Article Description	L [mm]	W [mm]	T [mm]
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<b>412.203S</b>	Chisel lateral	138.0	7.2	1.19
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<b>412.211S</b>	Chisel medial	105.2	5.8	1.19
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<b>412.403S</b>	Chisel ventral for right hip	170	7.1	1.19
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<b>412.404S</b>	Chisel dorsal for right hip	170	7.1	1.19
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Ref. (non-sterile)	Article Description
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<b>412.904</b>	Jig
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<b>400.102</b>	Fixation screw
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<b>400.104</b> (short)	Allen key
<b>400.107</b> (long)	
<b>400.112</b> (with handle)	

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# Indicated references by stem size

**Avenir®** stem size **6, 7, 8**



Reference (sterile)	Article Description	L [mm]	W [mm]	T [mm]
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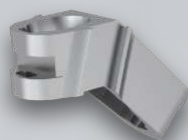
<b>412.203S</b>	Chisel lateral	138.0	7.2	1.19
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<b>412.211S</b>	Chisel medial	105.2	5.8	1.19
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<b>412.411S</b>	Chisel ventral for right hip	215.3	7.4	1.19
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<b>412.412S</b>	Chisel dorsal for right hip	215.3	7.4	1.19
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Ref. (non-sterile)	Article Description
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<b>412.906</b>	Jig
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<b>400.102</b>	Fixation screw
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<b>400.104</b> (short)	Allen key
<b>400.107</b> (long)	
<b>400.112</b> (with handle)	

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# Indicated references by stem size

## Avenir® stem size 9



Reference (sterile)	Article Description	L [mm]	W [mm]	T [mm]
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<b>412.203S</b>	Chisel lateral	138.0	7.2	1.19
<b>412.211S</b>	Chisel medial	105.2	5.8	1.19
<b>412.411S</b>	Chisel ventral for right hip	215.3	7.4	1.19
<b>412.412S</b>	Chisel dorsal for right hip	215.3	7.4	1.19

Ref. (non-sterile)	Article Description
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**412.908** Jig








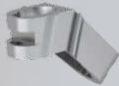


**400.102** Fixation screw



**400.104** (short)  
**400.107** (long)  
**400.112** (with handle)  
 Allen key



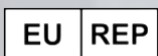
# Overview of all references

Quadra® stem sizes	Reference	Article Description	L [mm]	W [mm]	T [mm]
	All sizes	400.001			
	All sizes	400.100			
	2/3	412.201S	133.0	4.8	1.19
	4	412.202S	138.0	6.0	1.19
	5/6/7/8/9	412.203S	138.0	7.2	1.19
	All sizes	412.211S	105.2	5.8	1.19
	2/3/4	412.401S	170.0	4.0	1.19
	2/3/4	412.402S	170.0	4.0	1.19
	5	412.403S	170.0	7.1	1.19
	5	412.404S	170.0	7.1	1.19
	6/7/8/9	412.411S	215.3	7.4	1.19
	6/7/8/9	412.412S	215.3	7.4	1.19
	2/3	412.909			
	4	412.902			
	5	412.904			
	6/7/8	412.906			
	9	412.908			
	All sizes	400.102			
	All sizes	400.104 (short) 400.107 (long) 400.112 (with handle)			

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