

# ARAMIS

TOTAL SHOULDER PROSTHESIS



- ⊕ Anatomical
- ⊕ Reversed
- ⊕ Universal stem
- ⊕ Only one instrument set

**3S**  
ORTHO

# ARAMIS

## TOTAL SHOULDER PROSTHESIS

### EVOLUTIVE SYSTEM

Anatomical or reversed: a convertible system during or after surgery.



A choice of angles of  $132^\circ$  or  $140^\circ$  for the stem in order to reproduce the CCD angle.



### Indications

- > Severe inflammatory arthropathy or evaluated arthrosis for which conservative or alternative treatments have failed or were considered unsuitable.
- > Arthropathy due to a degenerative disease.
- > Current traumatism or traumatism sequelae.
- > Failure of a previous arthroplasty.

### Material

- > Cemented humeral stems and screws: Titanium TA6V ELi (ISO 5832-3)
- > Non cemented humeral stems and baseplates:
  - Titanium TA6V ELi (ISO 5832-3)
  - Titanium (ISO 5832-2) and hydroxyapatite (ISO 13779-2) coating
- > Humeral cups, heads and glenosphere: Nitrogen enriched stainless steel M30NW (ISO 5832-9)
- > Glenoids and inserts: Polyethylene UHMWPE (ISO 5834-2)

## ANATOMICAL PROSTHESIS

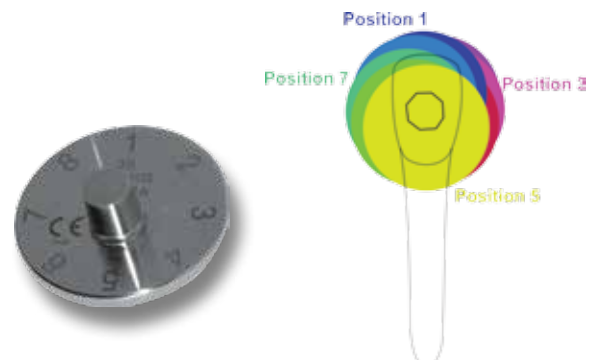
### ANATOMY RESTORATION

16 different settings (8x2)

- > The double taper positions of the stem allows to reproduce the medial offset.



- > Phone dial system with 8 positions to set the medial and posterior offset (also possible when using the off-centered cup).

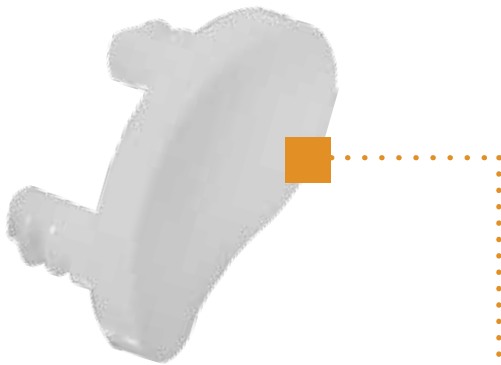


# ANATOMICAL

Humeral inclination of either 132° or 140° associated with 16 possible head settings allow for reconstruction suited to any type of anatomy.

## GLENOID

- > 4 sizes: Ø30 - Ø33 - Ø36 - Ø36 R34mm.
- > Polyethylene with a convex back to limit shear and compression forces.
- > Pegged glenoid for bone preservation and an eventual transfer to a reversed prosthesis.
- > A 5mm-mismatch.
- > Cemented glenoid with radiological indicators.



## HUMERAL HEAD

- > Offset taper to reproduce the anatomical medial and posterior offset.
- > Different diameters and heights (5 sizes).
- > Proven conical junction (taper of 5°43'30").



# COMMON STEM

- > 2 inclinations: 132° or 140°
- > Cemented (Ø7 - 8,5 - 10 - 11,5)
- > Non cement (Ø8,5 - 10 - 11,5 - 13)
- > Anti-rotation perforated flanges



## BICONIC JUNCTION

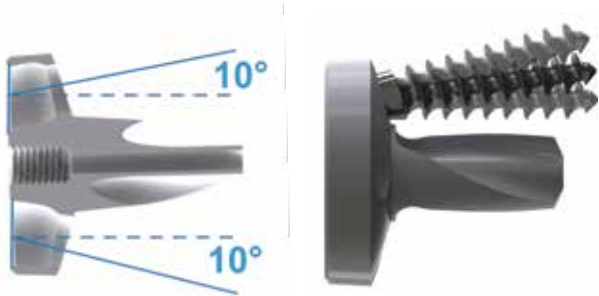
- > 2 positions



# REVERSED

Lowering and medialisation of the center of rotation respecting the initial prosthesis concept

## FIXATION SCREWS self-tapping Ø 5 mm



> Pre-orientation of the superior and inferior screws

> ±15° screw movement

## BASEPLATE Ø 28 mm

- > Primary fixation ensured by an helicoidal blade (short and long plot also available) and 1 to 4 screws
- > Convex back coated with porous titanium and hydroxyapatite for osteointegration



## GLENOSPHERE Ø 38 mm

- > Intern coaptation screw without any risk of conflict with the insert
- > Coaptation by screwing on the baseplate taper
- > Easy positioning



## INSERTS

- > Standard: 3 thicknesses (+6 or +9 or +12 mm)
- > Combined with the 2 taper positions, the different thicknesses allow to set stability and tension of the muscular structure

*Retentive insert +9mm available upon request*

## CUP



140°

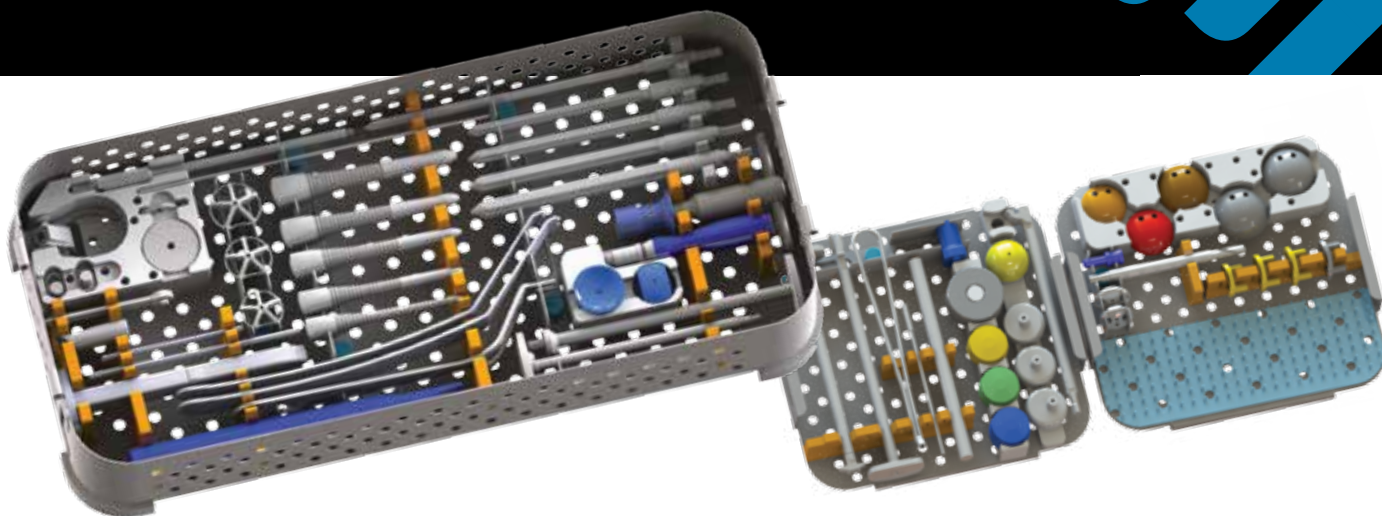
- > Centered 0°
- > Off-centered 0° to cover the humeral cut and to respect the medial and posterior offset (same principle that the humeral head)

132°

- > Centered 8° to use on a 132° stem in order to correct the CCD angle and to get a 140° stem

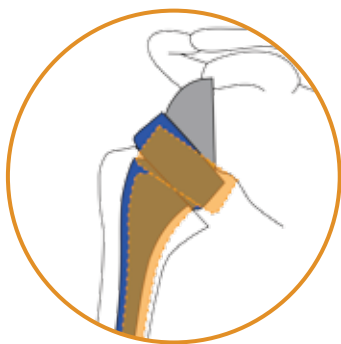
# COMPACT INSTRUMENT SET

Only one instrument case for either an anatomical or reversed prosthesis



## REVERSED

### A DESIGN LIMITING SCAPULAR CONFLICT



140° prosthesis

155° prosthesis

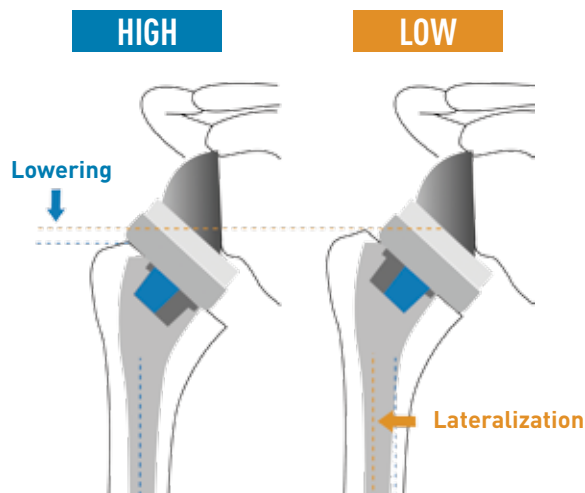
(Initial design by Pr Paul Grammont)

- > The variation of the CCD-angle to 140° decreases the humeral lowering and the medialisation.
- > The risk of scapular conflict and scapular notching is decreased while improving abduction.

### CUP POSITIONING

16 possible settings (8x2)

- > The 2 taper positions in the stem allow to lateralize and medialize the humerus.



### A BASEPLATE WITH AN HELICOIDAL BLADE FOR AN OPTIMAL FIXATION

- > The use of the helicoidal blade ensures an effective fixation and **bone conservation**.
- > Easy positioning using a K-wire as a guide.







Anatomical		
Type	Size	Ref.
Head	Ø40H13	EAI 4013
	Ø43H15	EAI 4315
	Ø46H17	EAI 4617
	Ø49H18	EAI 4918
	Ø49H20	EAI 4920
Glenoid	Ø30	EAI G030
	Ø33	EAI G033
	Ø36	EAI G036
	Ø36 R34	EAI G136
	Screw	L15
L20		EAI V520
L25		EAI V525
L30		EAI V530
L35		EAI V535
L40		EAI V540
L45		EAI V545

Humeral stem				
Fixation	Ø	Angle	Ref.	
Cemented	7	132°	EAI 0C07	
	8.5		EAI 0C08	
	10		EAI 0C10	
	11.5	EAI 0C11		
	7	140°	EAI 1C07	
	8.5		EAI 1C08	
	10		EAI 1C10	
	11.5		EAI 1C11	
	Non cemented	8.5	132°	EAI 0H08
		10		EAI 0H10
		11.5		EAI 0H11
13		EAI 0H13		
8.5		140°	EAI 1H08	
10			EAI 1H10	
11.5			EAI 1H11	
13	EAI 1H13			

Reversed		
Type	Size	Ref.
Cup	Centered 0°	EAI CHC0
	Off-centered 0°	EAI CHD0
	Centered 8°	EAI CHC8
Standard insert	+6mm	EAI IS06
	+9mm	EAI IS09
	+12mm	EAI IS12
Retentive insert	+9mm	EAI IR09 *
Glenosphere	Ø38mm	EAI SG38
	T0	EAI 0B28
Baseplate	Short plot	EAI 0BPS
	long plot	EAI 0BPL

\* Available upon request.

 This medical device is exclusively available for orthopaedic surgeons.  
 Manufacturer: 3S ORTHO.  0499 Class III medical device.

 Carefully read the instruction for use and the surgical technique before use.



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