



**MEIJE** DUO

*A deeply anchored feeling of confidence  
Customized offset*



HIP

[www.tornier.com](http://www.tornier.com)

**TORNIER**  
SURGICAL IMPLANTS



# MEIJE DUO

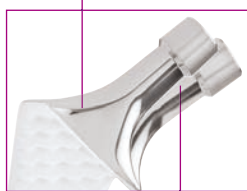
## A comprehensive range: 5 sets of 9 implants

More options for restoring the center of rotation without compromising on length or lateralization

### Cementless range with or without collar



Standard



Lateralized

#### Available in 2 versions:

- **Standard** 130° neck-shaft angle
- **Lateralized** 123° neck-shaft angle

### Standard cemented range without collar

- 130° neck-shaft angle



## Simple and easy-to-use instrumentation

- Suitable for any surgical approach



Posterior approach



Anterior approach

- Offers solutions to determine the correct position of the head center **1 2 3**



**1** Height gauge\*



**2** Multi-neck height gauge\*

Designed for per-operative use  
\*Available to order only

The implant design is based on radiographic analysis

## Objective

### Restore the morphology and biomechanics of the hip joint

- Position of the acetabular center of rotation
- Offset adjustment
- Length adjustment

## Results

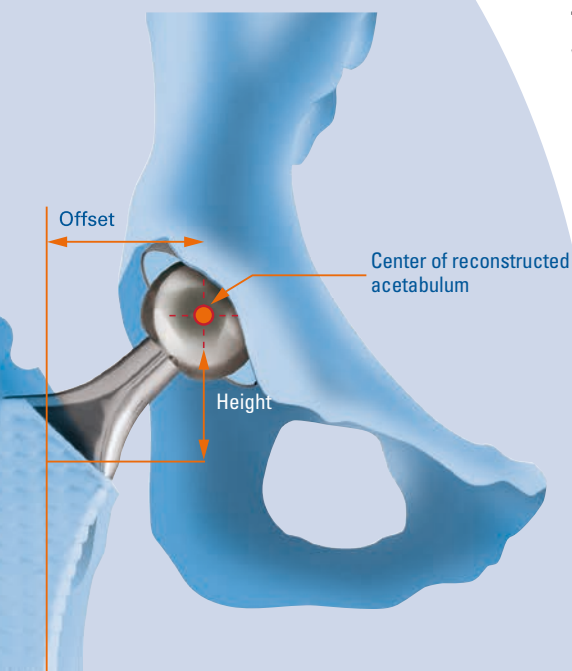
There is a correlation between implant and height on the one hand and the center of the reconstruction on the other

- 3 levels of lateralization and
- 2 neck-shaft angles
- Position of the center of the femoral head as offset is in

\* Radiological study of the lateralization of 48° planning of total arthroplasty. Construction of the center of rotation by merging the femoral and acetabular centers.  
P. Piriou, H. Bugyan, D. Casalonga, E. Liz



Design is based  
analysis of 487 hips\*.



en the size of the femoral  
hand, and the lateralization  
nstructed acetabulum  
er hand

d neck length in the range

es 130° and 123°  
rothetic head is controlled  
ncreased

7 healthy hips intended for pre-operative  
the extramedullary part of the prosthesis  
tabular centers of rotation  
ée, C. Trojani, G. Versier. HIP 2005.

## Design features

Self-locking design with  
a quadrangular cross-section

### 12/14 Morse taper

Accepts both metal  
and ceramic heads.  
Maximum range  
of motion. Optimum  
intra-articular  
mobility



Titanium alloy  
with 150 µm HA coating



### Cementless design



### Mirror-polished neck

Minimizes friction in the event  
of contact

### Cemented design

Stainless steel  
(M30NW)

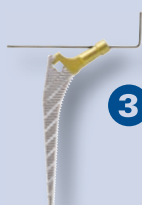


### Metal surface

fully mirror-polished  
(optimum cement  
interface)

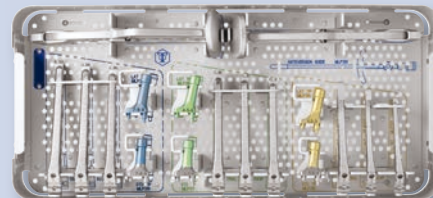


Collar width increases  
with component size  
(3 widths available)



**3** Standard  
height gauge

ative confirmation of pre-operative measurements



## Standard 130° cementless range



Without collar		With collar	
No	Reference	No	Reference
1	HLP411	1	HLP421
2	HLP412	2	HLP422
3	HLP413	3	HLP423
4	HLP414	4	HLP424
5	HLP415	5	HLP425
6	HLP416	6	HLP426
7	HLP417	7	HLP427
8	HLP418	8	HLP428
9	HLP419	9	HLP429
-	-	10*	HLP430

\* Available upon request only.

## Lateralized 123° cementless range



Without collar		With collar	
No	Reference	No	Reference
1	HLP441	1	HLP401
2	HLP442	2	HLP402
3	HLP443	3	HLP403
4	HLP444	4	HLP404
5	HLP445	5	HLP405
6	HLP446	6	HLP406
7	HLP447	7	HLP407
8	HLP448	8	HLP408
9	HLP449	9	HLP409
-	-	10*	HLP410

\* Available upon request only.

## Standard cemented range



Without collar			
No	Reference	No	Reference
1	HLP431	6	HLP436
2	HLP432	7	HLP437
3	HLP433	8	HLP438
4	HLP434	9	HLP439
5	HLP435	-	-

## Femoral heads



	Short		Medium		Long		Extra-Long	
	Size	Ref.	Size	Ref.	Size	Ref.	Size	Ref.
CoCr Metal 22.2	- 2 mm	HZC231	0 mm	HZC232	+ 3 mm	HZC234	-	-
CoCr Metal 28	- 5 mm	HZC281	0 mm	HZC282	+ 5 mm	HZC283	+ 10 mm	HZC284
BioloX Delta Ceramic 28	- 3,5 mm	HZL020	0 mm	HZL021	+ 3,5 mm	HZL022	-	-
BioloX Delta Ceramic 32	- 4 mm	HZL023	0 mm	HZL024	+ 4 mm	HZL025	-	-
BioloX Delta Ceramic 36	- 4 mm	HZL026	0 mm	HZL027	+ 4 mm	HZL028	-	-