EXACTECH | **HIP**

Operative Technique

Logical™ Dual Mobility Cup System

Refer to Logical Acetabular Cup and Liner Operative Technique (Lit# 00-0002670) for acetabular preparation and component alignment.

TRIAL REDUCTION

After the definitive shell has been placed in the acetabulum *(Figure 1)*, the liner can be trialed with either the definitive or the trial femoral head, so that stability and neck length can be tested. The definitive head can then be chosen.

Figure 1
Logical Cup

HEAD-LINER ASSEMBLY

The femoral head and insert are assembled using the Logical Dual Mobility Head Press *(Figure 2)*. Thread the T-Handle into the Frame by turning the T-Handle clockwise into the Frame. Place the femoral head onto the taper at the bottom of the frame. Place the selected insert on top of the head, and carefully assemble them by compressing the two components together via clockwise rotation of the T-Handle. Upon an audible "click" and visual confirmation that the head has seated fully into the polyethylene insert, the construct is ready to place onto the femoral stem.

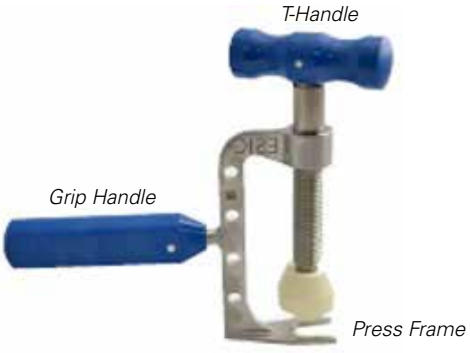


Figure 2
Logical Dual Mobility Head Press

DETAILED OPERATIVE TECHNIQUE

ADDENDUM

Thoroughly clean and dry the inside of the cup to ensure it is free of debris. Place the selected liner into the cup and ensure the liner and cup are axially aligned. Use the Logical Liner Impactor to impact the definitive liner with several moderate mallet strikes. The rim of the liner should be flush with the rim of the cup *(Figure 3)*. Place the head insert assembly onto the stem taper using the Head Impactor *(Figure 4)*. Ensure bearing surfaces are clean, and finally reduce the hip *(Figure 5)*.

Figure 3
Dual Mobility Insert Assembly

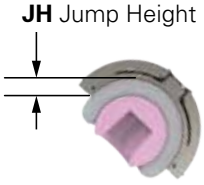
Figure 4
Femoral Implant Assembly

Figure 5
Final Reduction

TRIAL COLOR CODING

Shell Size	Liner Trial Color	Head Trial Size	Insert Trial Color
44-46	Purple	22	Red
48	Blue	22	Blue
50-54	Yellow	28	Yellow
56-58	Green	28	Green
60-70	Light Blue	28	Light Blue

Head Trial Offset	Color
-3.5 mm	Green
0 mm	Yellow
+3.5 mm	Orange



LOGICAL DUAL MOBILITY

Dual Mobility Insert Item Number	Insert Description	Group	Cup Size(s)	Poly Insert					
				Poly Insert	ID (mm)	OD (mm)	Thickness (mm)	Jump Height (mm)	Range of Motion
01-042-01-0034	Logical Dual Mobility Insert 34/44-46/A	A	44-46	01-042-02-2234	22	34	5.75	5.5	133°
01-042-01-0138	Logical Dual Mobility Insert 38/48/B	B	48	01-042-02-2238	22	38	7.75	6.1	138°
01-042-01-0241	Logical Dual Mobility Insert 41/50-54/C	C	50-54	01-042-02-2841	28	41	6.35	6.6	141°
01-042-01-0445	Logical Dual Mobility Insert 45/56-58/D	D	56-58	01-042-02-2845	28	45	8.35	7.1	145°
01-042-01-0548	Logical Dual Mobility Insert 48/60-70/E	E	60-70	01-042-02-2848	28	48	9.85	7.6	147°