



Avic[™]
Insert

U2 Knee

An Alternative Option to Balance the Knee

The concept of ultra-congruent inserts is published in multiple studies to have comparable clinical results in knee score, ROM, and survival rate with both CR and PS designs. Base on the rationale of PCL sacrificed but accepts CR femoral component, the ultra-congruent insert provides the essential knee stability with the prominent anterior lip and deep dishd conforming articulating surface. Thus provides an alternative option to deal with PCL loosening. ¹⁻⁴

PCL sacrificed without femoral box preparation

- » More time saving
- » More bone preserved



The United XPE™ technology

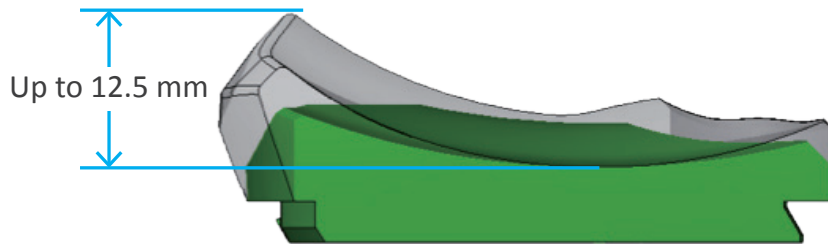
The use of highly cross-linked UHMWPE reinforces insert longevity

More conforming articulating surface

- » Greater contact area reduces loading on each subsurface, further decreases insert wear
- » Enhanced M/L conformity provides more rotational stability
- » Enhanced rotational stability allow I/E rotation $\pm 6^\circ$

Higher prominent anterior lip

- » Prevent the femoral component from subluxation³
- » Reduce anterior sliding by maintaining the femoral placement throughout ROM⁵



Brand	Model	Anterior Lip Height
UOC	U2 XUC insert	12.5 mm
Biomet	Vanguard	10 mm
Wright	Medial Pivot	11 mm
Zimmer	Natural Knee II	12 mm

“One up / one down” Size Paring

The femoral component congruent with the XUC insert with both one upper and one lower sizes to fit more patients' need.

XUC Insert	Femoral Component						
	#1	#2	#3	#4	#5	#6	#7
#1	√	√					
#2	√	√	√				
#3		√	√	√			
#4			√	√	√		
#5				√	√	√	
#6					√	√	√
#7						√	√

Order Information

Number	Description	Number	Description
2303-1411	XUC Insert #1 9 mm	2303-2411	XUC Insert Trial #1 9 mm
2303-1412	XUC Insert #1 11 mm	2303-2412	XUC Insert Trial #1 11 mm
2303-1413	XUC Insert #1 13 mm	2303-2413	XUC Insert Trial #1 13 mm
2303-1414	XUC Insert #1 15 mm	2303-2414	XUC Insert Trial #1 15 mm
2303-1415	XUC Insert #1 18 mm	2303-2415	XUC Insert Trial #1 18 mm
2303-1421	XUC Insert #2 9 mm	2303-2421	XUC Insert Trial #2 9 mm
2303-1422	XUC Insert #2 11 mm	2303-2422	XUC Insert Trial #2 11 mm
2303-1423	XUC Insert #2 13 mm	2303-2423	XUC Insert Trial #2 13 mm
2303-1424	XUC Insert #2 15 mm	2303-2424	XUC Insert Trial #2 15 mm
2303-1425	XUC Insert #2 18 mm	2303-2425	XUC Insert Trial #2 18 mm
2303-1431	XUC Insert #3 9 mm	2303-2431	XUC Insert Trial #3 9 mm
2303-1432	XUC Insert #3 11 mm	2303-2432	XUC Insert Trial #3 11 mm
2303-1433	XUC Insert #3 13 mm	2303-2433	XUC Insert Trial #3 13 mm
2303-1434	XUC Insert #3 15 mm	2303-2434	XUC Insert Trial #3 15 mm
2303-1435	XUC Insert #3 18 mm	2303-2435	XUC Insert Trial #3 18 mm
2303-1441	XUC Insert #4 9 mm	2303-2441	XUC Insert Trial #4 9 mm
2303-1442	XUC Insert #4 11 mm	2303-2442	XUC Insert Trial #4 11 mm
2303-1443	XUC Insert #4 13 mm	2303-2443	XUC Insert Trial #4 13 mm
2303-1444	XUC Insert #4 15 mm	2303-2444	XUC Insert Trial #4 15 mm
2303-1445	XUC Insert #4 18 mm	2303-2445	XUC Insert Trial #4 18 mm
2303-1451	XUC Insert #5 9 mm	2303-2451	XUC Insert Trial #5 9 mm
2303-1452	XUC Insert #5 11 mm	2303-2452	XUC Insert Trial #5 11 mm
2303-1453	XUC Insert #5 13 mm	2303-2453	XUC Insert Trial #5 13 mm
2303-1454	XUC Insert #5 15 mm	2303-2454	XUC Insert Trial #5 15 mm
2303-1455	XUC Insert #5 18 mm	2303-2455	XUC Insert Trial #5 18 mm
2303-1461	XUC Insert #6 9 mm	2303-2461	XUC Insert Trial #6 9 mm
2303-1462	XUC Insert #6 11 mm	2303-2462	XUC Insert Trial #6 11 mm
2303-1463	XUC Insert #6 13 mm	2303-2463	XUC Insert Trial #6 13 mm
2303-1464	XUC Insert #6 15 mm	2303-2464	XUC Insert Trial #6 15 mm
2303-1465	XUC Insert #6 18 mm	2303-2465	XUC Insert Trial #6 18 mm
2303-1471	XUC Insert #7 9 mm	2303-2471	XUC Insert Trial #7 9 mm
2303-1472	XUC Insert #7 11 mm	2303-2472	XUC Insert Trial #7 11 mm
2303-1473	XUC Insert #7 13 mm	2303-2473	XUC Insert Trial #7 13 mm
2303-1474	XUC Insert #7 15 mm	2303-2474	XUC Insert Trial #7 15 mm
2303-1475	XUC Insert #7 18 mm	2303-2475	XUC Insert Trial #7 18 mm

References

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2. Peters CL, Mulkey P, Erickson J, Anderson MB, Pelt CE. Clin Orthop Relat Res. 2014 Jan;472(1):175-80
3. Laskin RS, Maruyama Y, Villaneuva M, Bourne R. Clin Orthop Relat Res. 2000;380:36–44.
4. Sathappan SS, Wasserman B, Jaffe WL, Bong M, Walsh M, Di Cesare PE. J Arthroplasty.2006;21:1012–1016
5. Daniilidis K, Skwara A, Vieth V, Fuchs-Winkelmann S, Heindel W, Stückmann V, Tibesku CO. Knee. 2012 Aug;19(4):260-5



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