

References:

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DePuy ASR™ XL Head System



Introducing advanced, extra large bearing technology

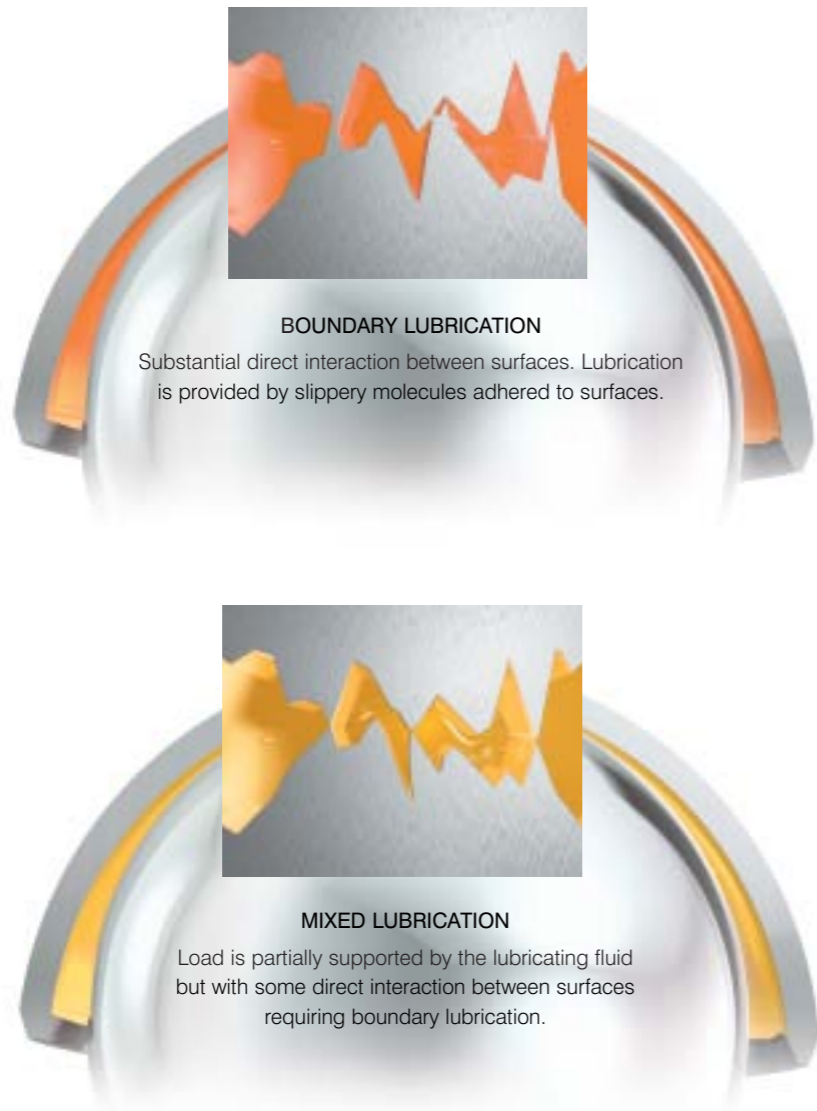
The DePuy ASR™ XL Head System large diameter, high performance metal-on-metal bearings are designed and manufactured within fine tolerances to facilitate a state of fluid film lubrication.¹ The system is available for use in conjunction with all DePuy stems, cemented and cementless, designed to reduce wear and provide high function for all patients.





Maximising survivorship

Introducing the concept of fluid film bearing lubrication



An example of large clearance bearing profile

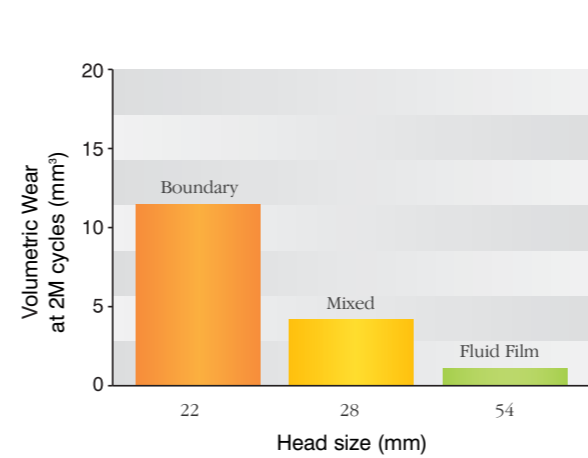
As the clearance increases, even in large diameter bearings, mixed lubrication is induced which leads to point contact and a relatively high wear rate.^{5,6,7}

Reducing the wear rate of a hip bearing can significantly improve its long-term survival. By maintaining optimal clearance between a large diameter head and the cup, the DePuy ASR™ XL Head System bearings produce a fluid film interface that results in a lower component wear rate than previously measured.¹¹

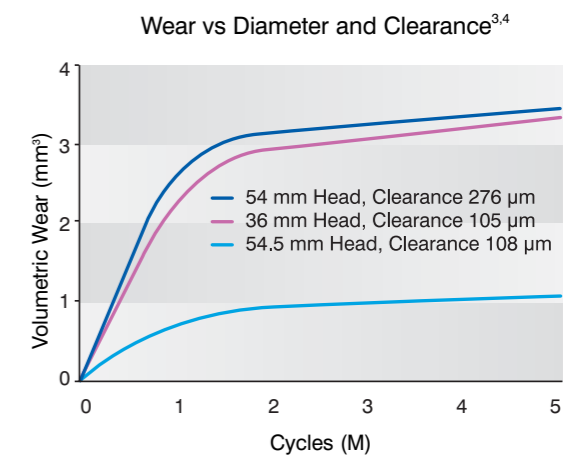


DePuy ASR™ Extra Large Heads System

The DePuy ASR™ XL Head System is designed and manufactured to ensure optimal clearance to allow a film of joint fluid to flow across, and lubricate, the entire bearing surface - measurably lowering wear rates.¹¹

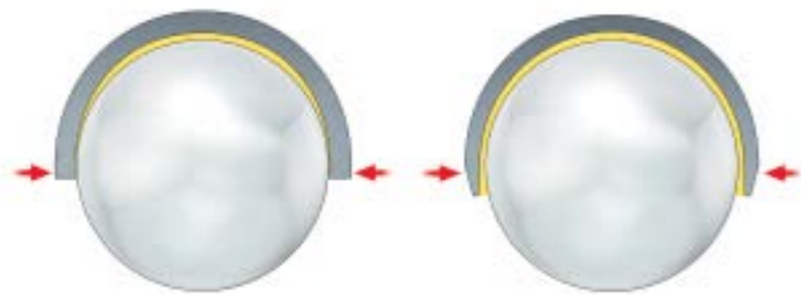


Wear volumes recorded for bearings exhibiting different lubrication modes^{1,2}



The diametral clearance across the DePuy ASR™ System range has been optimised to ensure minimum wear.¹ Extensive laboratory testing confirms that the volume of wear debris is dependent upon bearing diameter and radial clearance.⁴

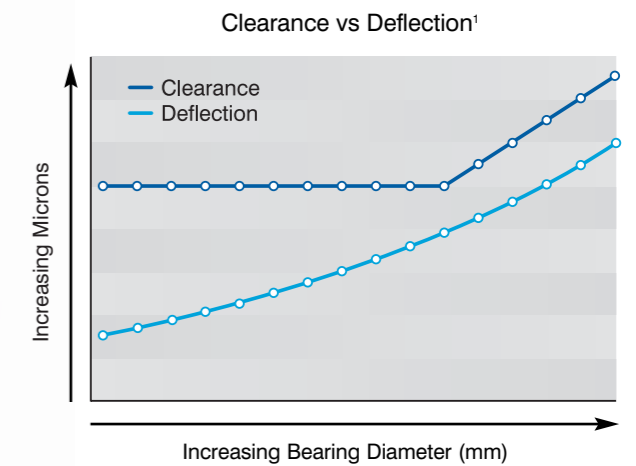
Maintaining the critical balance between diameter and clearance



Cup deflection affects clearance and can increase the potential for wear.

DePuy ASR™ XL Head System accounts for deflection and maintains a fluid film interface.

When a metal cup is impacted into the acetabulum there is a potential for deflection at the equator. The change is small but important. Even the slightest deflection will affect the clearance between the cup and the femoral bearing surface. The DePuy ASR™ XL Head System cup is designed to take full account of measured deflection, maintaining fluid film lubrication.

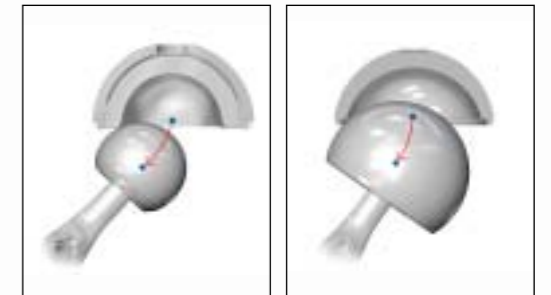
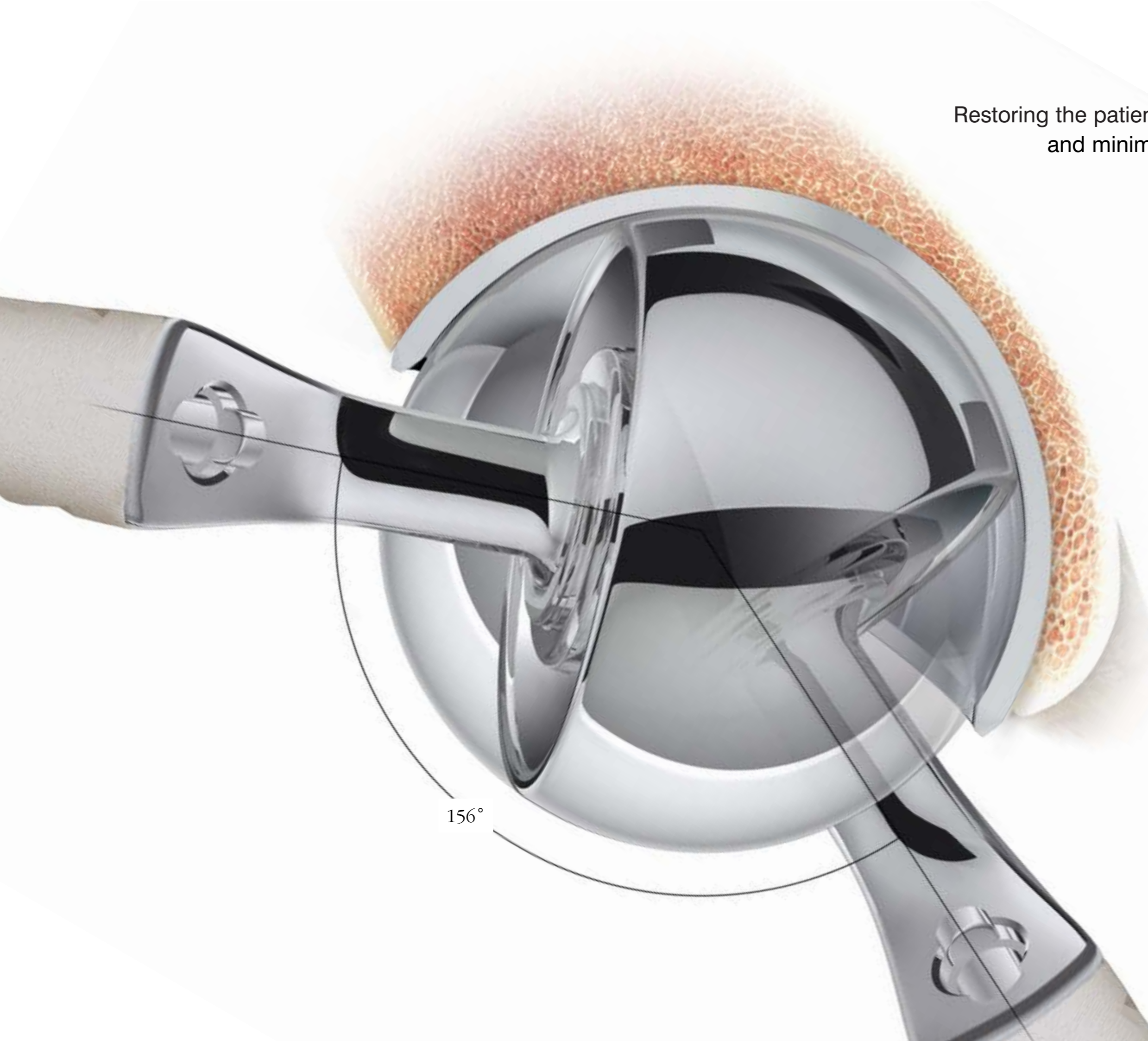


The clearance in the DePuy ASR™ XL Head System is such that it is always greater than the measured deflection. This ensures that optimal diametral clearances are maintained across the size range, and fluid film lubrication is achieved, resulting in minimal wear conditions.



Optimising function

Restoring the patient's normal range of motion and minimising the risk of dislocation



A small head size increases the risk of dislocation

With a large head the risk of dislocation after the same travel distance is reduced

The DePuy ASR™ XL Head System allows the surgeon to select a component that matches the patient's normal femoral head diameter. This, combined with a narrow stem neck, dramatically increases neck 'travel' before impingement. The DePuy ASR™ XL Head System can generate excellent range of motion (141° - 156°) across the size range. This increased range of motion, minimises the risk of dislocation significantly, increasing joint stability and allowing the patient to enjoy a more active and fulfilling life after their operation.

156°



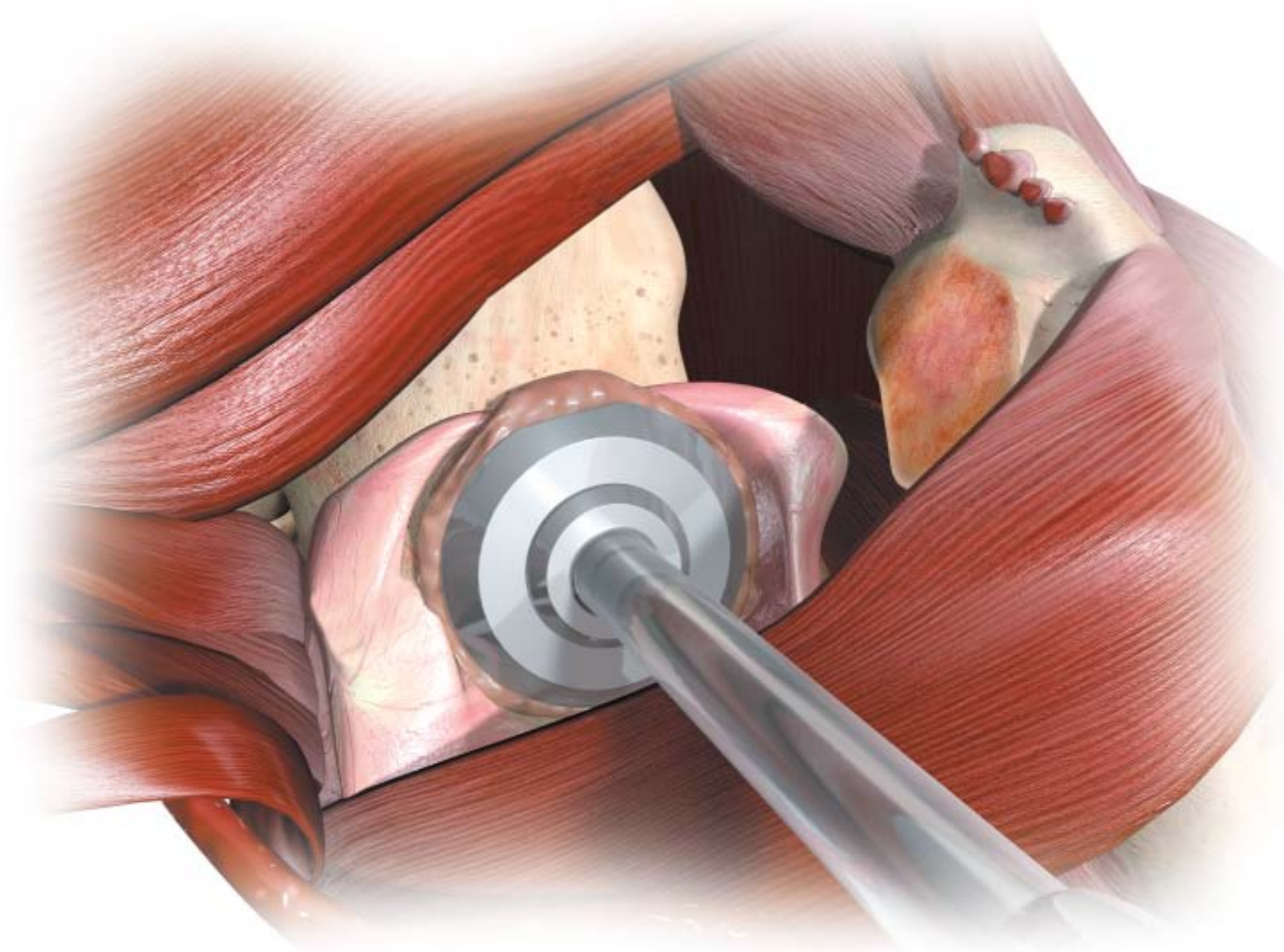
Accelerating recovery

Precise, tissue sparing surgery

Acetabular instruments for the DePuy ASR™ XL Head System lend themselves to true tissue sparing surgery.

This approach can help avoid intra-operative complications and lead to a faster recovery by minimising disruption to the soft tissues and reducing blood loss during the procedure.^{8,9}

The cup is introduced, positioned and precisely aligned using a specially designed cup impactor. It grips the cup, without contacting the smooth inner bearing surface, and provides a clear view of the surrounding anatomy. Its locking mechanism is quick to release and re-attach. This makes it easy to adjust cup position and alignment before impaction - even during minimal intervention surgery.



The unique design of the cup impactor makes ensures no contact is made with the bearing surface on impaction.

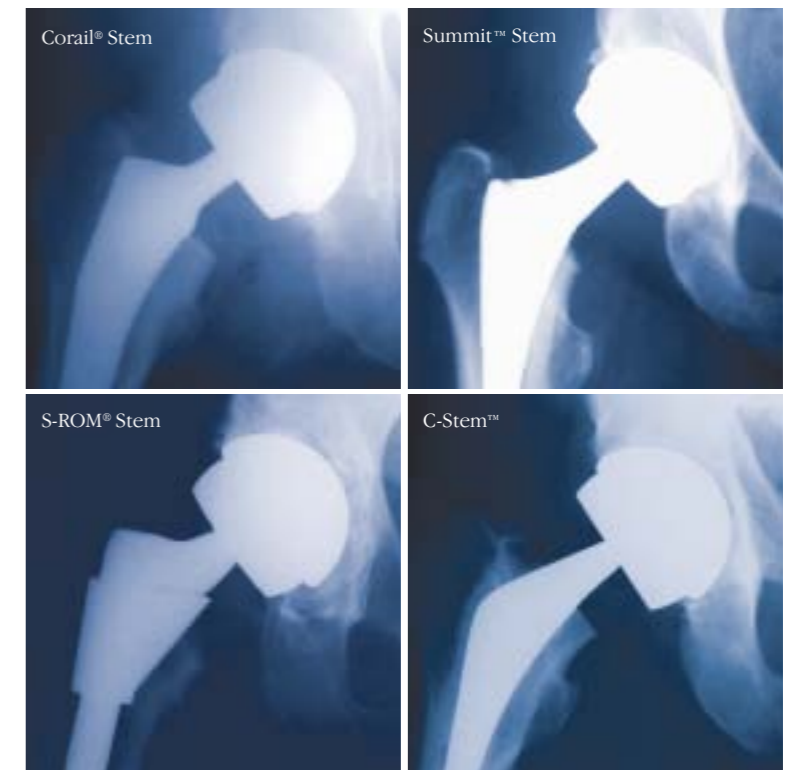


Easy to operate locking mechanism can be quickly released or re-attached at any time.

12/14 Taper Options



A system for all indications



9/10, 11/13 and 12/14 taper adaptor options make the system compatible with all DePuy stem ranges and provide an appropriate construct for every indication. DePuy ASR™ XL Head System taper sleeve adaptors are available in different offsets that allow the surgeon to accurately address joint function. A DePuy ASR™ XL Head System head coupled with Corail® AMT stem, for example, combines unsurpassed long-term survivorship¹⁰ with lower component wear, improved function and less chance of dislocation.

Ordering Information

Standard Cups

999803944	ASR™ Acetabular Implant 44
999804146	ASR™ Acetabular Implant 46
999804348	ASR™ Acetabular Implant 48
999804550	ASR™ Acetabular Implant 50
999804652	ASR™ Acetabular Implant 52
999804754	ASR™ Acetabular Implant 54
999804956	ASR™ Acetabular Implant 56
999805158	ASR™ Acetabular Implant 58
999805360	ASR™ Acetabular Implant 60
999805562	ASR™ Acetabular Implant 62
999805764	ASR™ Acetabular Implant 64
999805966	ASR™ Acetabular Implant 66
999806168	ASR™ Acetabular Implant 68
999806370	ASR™ Acetabular Implant 70

Modular Heads

999890139	ASR™ Uni Femoral Implant Size 39
999890141	ASR™ Uni Femoral Implant Size 41
999890143	ASR™ Uni Femoral Implant Size 43
999890145	ASR™ Uni Femoral Implant Size 45
999890146	ASR™ Uni Femoral Implant Size 46
999890147	ASR™ Uni Femoral Implant Size 47
999890149	ASR™ Uni Femoral Implant Size 49
999890151	ASR™ Uni Femoral Implant Size 51
999890153	ASR™ Uni Femoral Implant Size 53
999890155	ASR™ Uni Femoral Implant Size 55
999890157	ASR™ Uni Femoral Implant Size 57
999890159	ASR™ Uni Femoral Implant Size 59
999890161	ASR™ Uni Femoral Implant Size 61
999890163	ASR™ Uni Femoral Implant Size 63
ASR™ 0001	ASR™ Core Instrument Kit
221750044	Pinnacle™ Anteversion Guide
999802259	ASR™ Head Impactor
999800007	ASR™ Head Impactor Handle
999800004	ASR™ Duraloc® Cup Trial Adaptor
999800073	ASR™ Acetabular Impactor & Trial Handle

ASR™ Tapered Sleeve Adaptor Kit

999800200	ASR™ Tapered Sleeve Adaptor 11/13+0
999800203	ASR™ Tapered Sleeve Adaptor 11/13+3
999800206	ASR™ Tapered Sleeve Adaptor 11/13+6
999800209	ASR™ Tapered Sleeve Adaptor 11/13+9
999800102	ASR™ Tapered Sleeve Adaptor 12/14+2
999800105	ASR™ Tapered Sleeve Adaptor 12/14+5
999800108	ASR™ Tapered Sleeve Adaptor 12/14+8
999800300	ASR™ Tapered Sleeve Adaptor 9/10 +0
999800303	ASR™ Tapered Sleeve Adaptor 9/10 +3
999800313	ASR™ Tapered Sleeve Adaptor 9/10 -3
ASR™ 0003	ASR™ Acetabular Implant Holder Kit (Sm)
999800444	ASR™ Acetabular Implant Holder Size 44
999800446	ASR™ Acetabular Implant Holder Size 46
999800448	ASR™ Acetabular Implant Holder Size 48
999800450	ASR™ Acetabular Implant Holder Size 50
ASR™ 0004	ASR™ Acetabular Implant Holder Kit (Med)
999800452	ASR™ Acetabular Implant Holder Size 52
999800454	ASR™ Acetabular Implant Holder Size 54
999800456	ASR™ Acetabular Implant Holder Size 56
999800458	ASR™ Acetabular Implant Holder Size 58
999800460	ASR™ Acetabular Implant Holder Size 60
999800462	ASR™ Acetabular Implant Holder Size 62
999800464	ASR™ Acetabular Implant Holder Size 64

ASR™ 0005	ASR™ Acetabular Implant Holder Kit (Lg)
999800466	ASR™ Acetabular Implant Holder Size 66
999800468	ASR™ Acetabular Implant Holder Size 68
999800470	ASR™ Acetabular Implant Holder Size 70
ASR™ 0018	ASR™ Unipolar Femoral Trial Kit (Sm)
999802839	ASR™ Unipolar Femoral Trial Size 39
999802841	ASR™ Unipolar Femoral Trial Size 41
999802843	ASR™ Unipolar Femoral Trial Size 43
999802845	ASR™ Unipolar Femoral Trial Size 45
ASR™ 0019	ASR™ Unipolar Femoral Trial Kit (Med)
999802846	ASR™ Unipolar Femoral Trial Size 46
999802847	ASR™ Unipolar Femoral Trial Size 47
999802849	ASR™ Unipolar Femoral Trial Size 49
999802851	ASR™ Unipolar Femoral Trial Size 51
999802853	ASR™ Unipolar Femoral Trial Size 53
999802855	ASR™ Unipolar Femoral Trial Size 55
999802857	ASR™ Unipolar Femoral Trial Size 57

Ordering Information

ASR™ 0020	ASR™ Unipolar Femoral Trial Kit (Lg)	999800077	X-ray Template Large Cup
999802859	ASR™ Unipolar Femoral Trial Size 59	999800078	X-ray Template Large Head
999802861	ASR™ Unipolar Femoral Trial Size 61		
999802863	ASR™ Unipolar Femoral Trial Size 63	225244503	Duraloc® Bantam Trial Sizer 44 mm
		225246000	Duraloc® Screw-In Cup Trial Sizer 46OD
ASR™ 0002	ASR™ Tapered Sleeve Adaptor Trial Kit	225248000	Duraloc® Screw-In Cup Trial Sizer 48OD
999800112	ASR™ Tapered Sleeve Adaptor 12/14 +2 Trial	225250000	Duraloc® Screw-In Cup Trial Sizer 50OD
999800115	ASR™ Tapered Sleeve Adaptor 12/14 +5 Trial	225252000	Duraloc® Screw-In Cup Trial Sizer 52OD
999800118	ASR™ Tapered Sleeve Adaptor 12/14 +8 Trial	225254000	Duraloc® Screw-In Cup Trial Sizer 54OD
		225256000	Duraloc® Screw-In Cup Trial Sizer 56OD
ASR™ 0028		225258000	Duraloc® Screw-In Cup Trial Sizer 58OD
999800220	ASR™ Tapered Sleeve Adaptor 11/13 +0 Trial	225260000	Duraloc® Screw-In Cup Trial Sizer 60OD
999800223	ASR™ Tapered Sleeve Adaptor 11/13 +3 Trial	225262000	Duraloc® Screw-In Cup Trial Sizer 62OD
999800226	ASR™ Tapered Sleeve Adaptor 11/13 +6 Trial	225264000	Duraloc® Screw-In Cup Trial Sizer 64OD
999800229	ASR™ Tapered Sleeve Adaptor 11/13 +9 Trial	225266000	Duraloc® Screw-In Cup Trial Sizer 66OD
		225268000	Duraloc® Screw-In Cup Trial Sizer 68OD
ASR™ 0029		225270000	Duraloc® Screw-In Cup Trial Sizer 70OD
999800320	ASR™ Tapered Sleeve Adaptor 9/10 +0 Trial		
999800323	ASR™ Tapered Sleeve Adaptor 9/10 -3 Trial		
999800333	ASR™ Tapered Sleeve Adaptor 9/10 +3 Trial		



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