



Aequalis™ PerFORM
GLENOID SYSTEM

Is your glenoid option as **unique** as your patients?

Continuing the Legacy

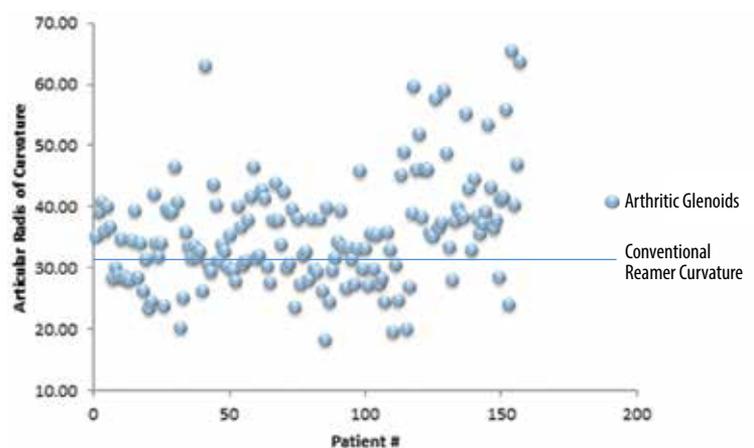
Leveraging nearly two decades of clinical experience with the Aequalis™ glenoid, the Aequalis PerFORM system embodies meaningful advancement without introducing unproven concepts.

A study by Walch, et. al, of 157 arthritic patients has demonstrated that arthritic glenoid curvature is much different than non-arthritic glenoid curvature. Nearly all glenoid reamers available today are offered in one curvature, based upon the average non-arthritic curvature.³

The Aequalis PerFORM System is the first ever to offer multiple backside curvatures per size to better match variable patient anatomy and preserve subchondral bone, a critical factor in preventing glenoid migration and loosening.

Featuring three specific anchorage options, the Aequalis PerFORM has the versatility necessary to address a wide range of clinical needs and also provides inter-operative flexibility between a cannulated and non-cannulated approach.

Arthritic vs. Non-Arthritic Glenoid Curvature



Aequalis PerFORM leads the way in addressing newly reported factors in glenoid loosening.

➤ The Pursuit of Advanced Patient Care



Moving Glenoid Longevity Forward

*“With current shoulder arthroplasty systems using a **unique glenoid backside** radius of curvature, there is a risk to perform **excessive reaming** to ‘adapt the bone to the prosthesis’ resulting in **sacrifice of the subchondral bone**. Future implant design should consider including a **range of backside radius of curvatures adapted to the arthritic glenoid** that may avoid excessive reaming and bone sacrifice by ‘adapting the prosthesis to the bone.’”*

– DR. GILLES WALCH

Anatomically Advanced Shoulder Reconstruction Begins Here

For the clinically minded shoulder specialist, the Aequalis™ PerFORM system is the subchondral preserving glenoid with five backside curvatures, which retains structural support necessary for implant longevity so you confidently know every restoration is as unique as your patient.

A Glenoid System as Unique as Your Patients

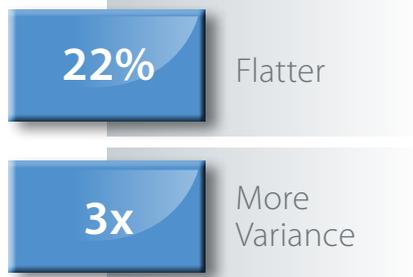
► An Unforeseen Finding

Clinical studies have demonstrated that preserving the glenoid subchondral plate is critical to successful long-term outcomes.^{1,2}

Long-term Glenoid Survivorship



Arthritic vs. Normal Glenoids



► An Insightful Discovery

The average arthritic glenoid is 22% flatter than a normal glenoid and has 3x the variance when compared to normal anatomy. Yet, glenoids on the market today generally offer only one radius of curvature.

► A Simple Solution

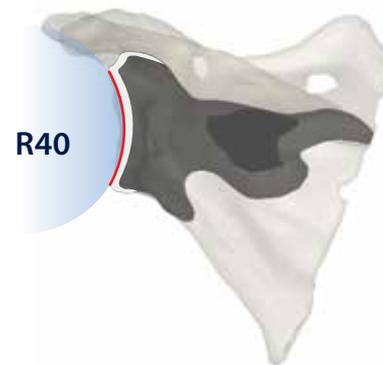
The first of its kind, the Aequalis™ PerFORM glenoid system offers implants with multiple backside curvatures to better match arthritic anatomy. As a result, less reaming is required and cortical bone is preserved, providing the structural support necessary for enhancing implant longevity.



A Millimeter Saved is a Millimeter Earned



Study 1



ARTHROTIC GLENOIDS

A recent CT study of arthritic glenoid articular curvatures demonstrates significant variation ranging from nearly flat to very cupped surfaces.

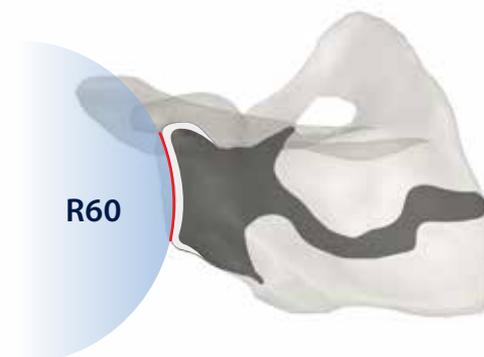
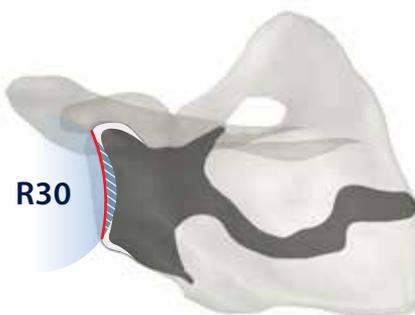
TRADITIONAL REAMING

Based upon normal anatomy, most glenoid implants and reamers are offered in a single backside radius of curvature. As a result, subchondral bone is often sacrificed to achieve good fit between the implant the bone.

AEQUALIS™ PerFORM REAMING

Designed to uniquely match arthritic anatomy, the Aequalis PerFORM reamers preserve subchondral bone. Backside glenoid support matters: Ream less, and improve the opportunity for implant longevity.

Study 2



Anatomic in Action

ANATOMICALLY TAILORED



- 5 Radius Gauges assist in determining each patient's unique glenoid curvature.
- Color coded instrumentation provide for a logical, straightforward surgical progression.



PRECISELY GUIDED



- The cannulated option allows for accurate and efficient glenoid preparation.
- Version correction is easily accomplished with 5 and 10 degree offset pin guides.

UNCOMMONLY VERSATILE



- The Slotted Reamer design and Quick Connect Driver simplify glenoid access while mitigating risks of uneven reaming or glenoid fracture by using a full circular reamer.

UNIQUELY AGILE



- The Pivoting Reamer allows for low profile insertion while providing retraction of glenohumeral anatomy, all while requiring 31%³ less insertion width than a standard reamer.

1. Gilles Walch, MD; Allan A. Young, MD; Pascal Boileau, MD; Markus Loew, MD; Dominique Gazielly, MD and Daniel Molé, MD. Patterns of Loosening of Polyethylene Keeled Glenoid Components After Shoulder Arthroplasty for Primary Osteoarthritis. Results of a Multicenter Study with More Than Five Years of Follow-up.

2. Gilles Walch, MD; Allan A. Young, MD; Barbara Melis, MD; Dominique Gazielly, MD; Markus Loew, MD; Pascal Boileau, MD. Results of a convex-back cemented keeled glenoid component in primary osteoarthritis: multicenter study with a follow-up greater than 5 years.

3. Tornier Data on File.



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