

CATALYST FRACTURE STEM

SYSTEM OVERVIEW

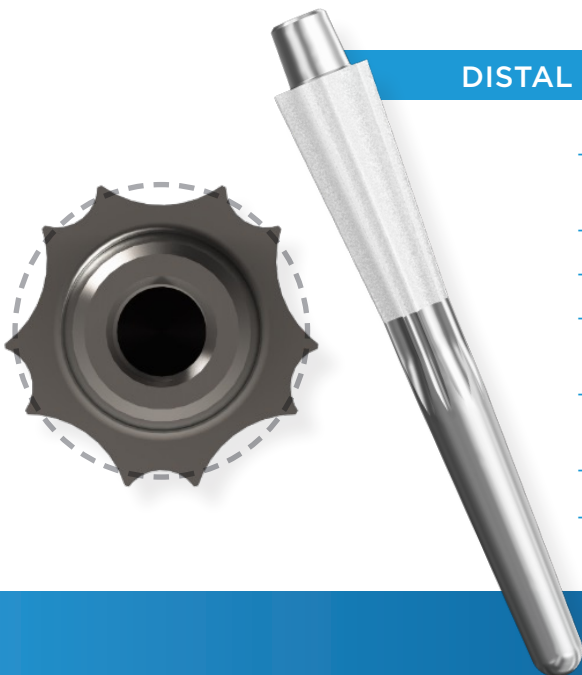
The Catalyst Fracture System presents surgeons with the next evolution for treating proximal humerus fractures. The patented stem design promotes simplified management of the tuberosities and allows for uncemented diaphyseal fixation even in the presence of osteoporotic bone.

PROXIMAL BODY

- Right- and left-side specific design to facilitate more consistent anatomic placement of the tuberosities
- 3 implant sizes to allow for more precise control of construct height (5mm increments)
- Tuberosity specific design enveloped by patented tuberosity retention rails¹ that restrict tuberosity micromotion
- Multiple options for suturing techniques to secure the tuberosities directly to the porous coated implant
- Anatomic neck shaft angle for significantly higher tuberosity healing rates versus higher inclination neck shaft angles²
- Lower profile design to create more natural tuberosity positioning and prevention of non-anatomic overhang



DISTAL STEMS

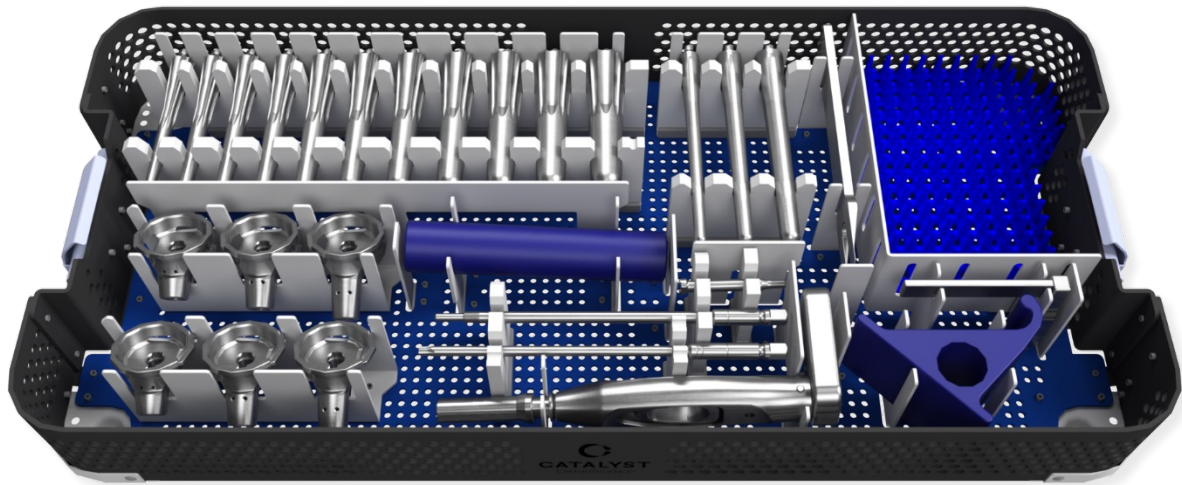


- Secure press-fit diaphyseal fixation eliminates the need for bone cement
 - Cemented options are available
- Splined design provides strong rotational stability
- Hydroxyapatite (HA) coating proximally to promote bony ongrowth
- 11 stem diameters providing precise control of the final construct height (Sizes: 8 – 18)
- Secure mechanical taper lock connection with proximal body (supplemented with 4.5mm locking screw)
- Press-fit stems in 90mm length
- Cemented stems in 90 and 125mm lengths

The Fracture Stem is compatible with the Catalyst Reverse Shoulder System components including poly inserts and glenoid implants.

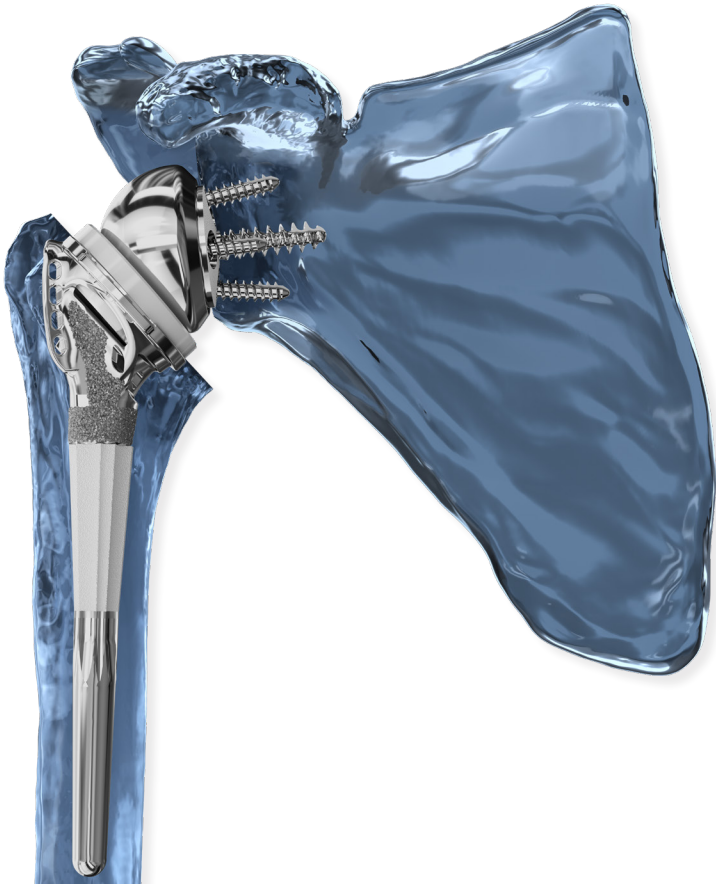
INSTRUMENT TRAY

The Fracture instrument set is a single level caddy that only includes instruments specific to the fracture stem. The Reverse Instrument Tray (1230-9010) is still required to complete the procedure.



ORDERING INFORMATION

Part Number	Description
1232-7551-001	Proximal Body Left - Size: Small
1232-7551-002	Proximal Body Left - Size: Medium
1232-7551-003	Proximal Body Left - Size: Large
1232-7552-001	Proximal Body Right - Size: Small
1232-7552-002	Proximal Body Right - Size: Medium
1232-7552-003	Proximal Body Right - Size: Large
1232-7554-001	Locking Screw
1232-7553-002	Press-Fit Stem - Size: 8
1232-7553-003	Press-Fit Stem - Size: 9
1232-7553-004	Press-Fit Stem - Size: 10
1232-7553-005	Press-Fit Stem - Size: 11
1232-7553-006	Press-Fit Stem - Size: 12
1232-7553-007	Press-Fit Stem - Size: 13
1232-7553-008	Press-Fit Stem - Size: 14
1232-7553-009	Press-Fit Stem - Size: 15
1232-7553-010	Press-Fit Stem - Size: 16
1232-7553-011	Press-Fit Stem - Size: 17
1232-7553-012	Press-Fit Stem - Size: 18
1232-7556-001	Cemented Stem - Size: 90-7
1232-7556-004	Cemented Stem - Size: 90-10
1232-7556-007	Cemented Stem - Size: 90-13
1232-7557-001	Cemented Stem - Size: 125-8
1232-7557-003	Cemented Stem - Size: 125-10
1232-7557-005	Cemented Stem - Size: 125-12



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References:
1. United States Patent USD 1,048,403
2. O'Sullivan J, et al. A systematic review of tuberosity healing and outcomes following reverse shoulder arthroplasty for fracture according to humeral inclination of the prosthesis. J Shoulder Elbow Surg. 2020 Sep;29(9):1938-1949.
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