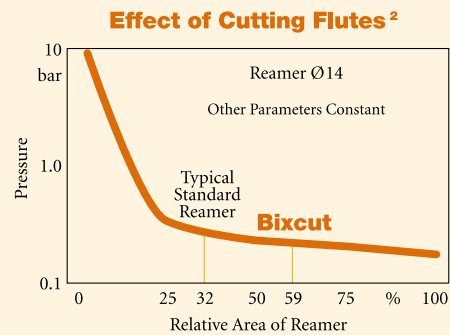


Available in sterile disposable shafts to insure a clean, sterile shaft for each surgery.

Double-wound shaft designed to transmit torque effectively and with high reliability.

Forward and side cutting face combination produces efficient material removal and rapid clearance.



Clinical References on Bixcut

1. Frölke, J.P., Intramedullary pressure in reamed femoral nailing with two different reamer designs, in: Intramedullary Reaming of long Bones, Ponsen & Looijen, Wageningen, 2001.
2. Speiling, A., Intramedullary Reamers White Paper, September 1999.
3. Mehdi, M. et al., Pressure Changes During Reaming with Different Parameters and Reamer Designs, Clinical Orthopaedics and Related Research, Number 373, pp. 295-303.

Additional Reading Material

- Keating, J.F. et al. Locking Intramedullary Nailing with and without Reaming for Open Fractures of the Tibial Shaft, Journal of Bone and Joint Surgery Volume 79-A, N° 3 – March 1997 (p. 334–341).
- Tornetta P. et al. Reamed Versus Nonreamed Antegrade Femoral Nailing, Journal of Orthopaedic Trauma Volume 14, N° 1 – April 1999 (p.15–19).
- Bhandari, M. et al. Reamed versus nonreamed Intramedullary nailing of lower extremity long bone fracture: a systematic overview and meta-analysis, JOT 2000, 14: 2–8.

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Osteosynthesis

Bixcut IM Reamer System

Designed to reduce reaming pressure

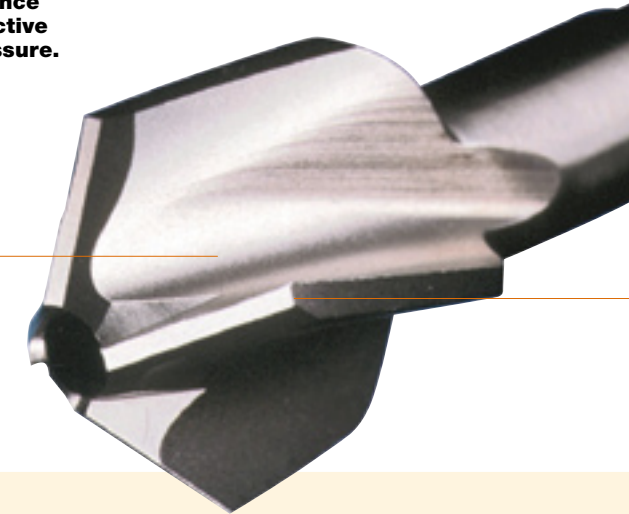


Design

Effective relief of pressure and efficient removal of material as a result of reduced number of reamer blades and reduced length of reamer heads

Smaller 6 and 8mm shaft diameters designed to reduce IM pressure.

Large clearance rate for effective relief of pressure.

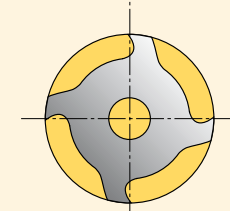


Reducing Reaming Pressure¹

Recent studies have demonstrated that reaming pressure developed within the medullary canal significantly depends upon the design of the reamer.

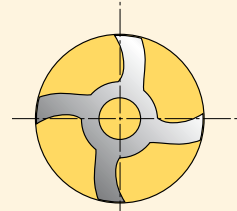
Pressure Changes During Reaming with Different Parameters and Reamer Designs³ have been considered for achieving better performance than previous designs.

Typical Standard Reamer Ø14mm



Clearance area = 32% of cross section

Bixcut Reamer Ø14mm



Clearance area = 59% of cross section

Ordering Information

Bixcut Modular System

Modular Heads

Cat. No.	Diameter (mm)
0226-3090	9.0
0226-3095	9.5
0226-3100	10.0
0226-3105	10.5
0226-3110	11.0
0226-3115	11.5
0226-3120	12.0
0226-3125	12.5
0226-3130	13.0
0226-3135	13.5
0226-3140	14.0
0226-3145	14.5
0226-3150	15.0
0226-3155	15.5
0226-3160	16.0
0226-3165	16.5
0226-3170	17.0
0226-3175	17.5
0226-3180	18.0
0226-4185	18.5

Modular Heads

Cat. No.	Diameter (mm)
0226-4190	19.0
0226-4195	19.5
0226-4200	20.0
0226-4205	20.5
0226-4210	21.0
0226-4215	21.5
0226-4220	22.0
0226-4225	22.5
0226-4230	23.0
0226-4235	23.5
0226-4240	24.0
0226-4245	24.5
0226-4250	25.0
0226-4255	25.5
0226-4260	26.0
0226-4265	26.5
0226-4270	27.0
0226-4275	27.5
0226-4280	28.0

Shafts (Sterile)^{1,2,3}

Cat. No.	Connection	Length (mm)
0227-8240S	Mod. Trinkle	284
0227-3000S	Mod. Trinkle	448
0227-8510S	Mod. Trinkle	510
0227-8885S	Mod. Trinkle	885
0226-8240S	AO	284
0226-3000S	AO	448

1. Non Sterile shafts supplied without grommet. Use new grommet for each surgery. See Shaft Accessories below.
2. Sterile shafts supplied with grommet pre-assembled.
3. For Non-Sterile leave "S" off the Cat. Number when ordering (855mm available only sterile Modified Trinkle shaft).

Shaft Accessories

Cat. No.	Description
3212-0-210	Grommet (pack of 25)
3212-0-220	Grommet inserter/extractor
0225-6010	Grommet Case

Kits/Trays (all reamer sizes in Ø.5mm increments)

Cat. No.	Description
0225-6025	Modular Head Kit, mini, includes Ø 9 – 18 Modular Heads
0225-6035	Modular Head Kit, large, includes Ø 9 – 28 Modular Heads
0225-6600	Full Bixcut Kit, includes: <ul style="list-style-type: none"> • Ø 6 – 8.5 Fixed Heads w/Modified Trinkle Fittings • Ø 9 – 22 Modular Heads • 284 & 448mm Modular Shafts with Trinkle Fittings (non Sterile) • Grommets (25 pcs), Grommet inserter, Grommet box
0225-8000	Fixed Head Reamers Storage Tray - Empty <ul style="list-style-type: none"> • Fits sizes Ø 8 – 18mm

Bixcut Modular System

Modular Head Kits



Mini Kit (Ø 9 – 18) Cat.No. 0225-6025



Large Kit (Ø 9 – 28) Cat.No. 0225-6035

- Modular Head Reamer Kits to free up space in the Hospital shelves and Operating Room

Sterile Disposable Shafts



- Do away with hard to clean shafts and use Bixcut Sterile Disposable Shafts and ensure a clean, sterile shaft for each surgery.

Length (mm)	Package	Connection
284	Sterile or non	Modified Trinkle or AO
448	Sterile or non	Modified Trinkle or AO
510 New	Sterile or non	Modified Trinkle Only
885	Sterile	Modified Trinkle Only

Bixcut Modular Reamer Head



Modular Head Reamer Tray can stock:

- Optional instruments (upper layer)
- Modular head reamers from Ø9.0 – 26.0mm split on two removable containers (Ø9.0 – 18.0mm and Ø18.5 – 26.0mm)
- Two of each modular reamer shafts sizes (460 & 240mm)
- Fixed head reamers from Ø6.0mm – 8.5mm (AO or Modified Trinkle fitting)

Bixcut Modular System

Fixed Head Reamers



- Fixed Head reamers to match surgeon preference and optimize OR efficiency.⁴

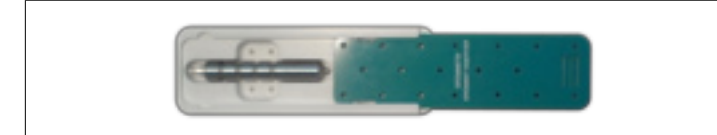
Length (mm) .5mm increments	Length (mm)	Connection
Ø 6 – 7	400	Modified Trinkle or AO
Ø 7.5 – 18	480	Modified Trinkle or AO

4. Fixed head reamer storage tray Ø 8 – 18mm available separately (Cat no. 0225-8000)

Optional Instruments



Instrument	Length (mm)	Connection
Hand Reamers	6 – 9 (1 mm increments)	T-Handle
Hand Reamers New	6 – 9 (1 mm increments)	Modified Trinkle
T-Handle New	N/A	Modified Trinkle
Curved Reduction Rod New	Ø 8.5 mm	Modified Trinkle



- A grommet can be assembled into the dovetail connector of the non-sterile flexible to hold the reamer head in place

- Optional instruments can be stored on the upper layer of the Modular reamer Tray (0225-6001)

Ordering Information

Bixcut Fixed-Head System

AO Fitting

Cat. No.	Diam. (mm)	Length (mm)
0225-5060	6.0 ⁵	400
0225-5065	6.5 ⁵	400
0225-5070	7.0 ⁵	400
0225-6075	7.5	480
0225-6080	8.0	480
0225-6085	8.5	480
0225-6090	9.0	480
0225-6095	9.5	480
0225-6100	10.0	480
0225-6105	10.5	480
0225-6110	11.0	480
0225-8115	11.5	480
0225-8120	12.0	480
0225-8125	12.5	480
0225-8130	13.0	480
0225-8135	13.5	480
0225-8140	14.0	480
0225-8145	14.5	480
0225-8150	15.0	480
0225-8155	15.5	480
0225-8160	16.0	480
0225-8165	16.5	480
0225-8170	17.0	480
0225-8175	17.5	480
0225-8180	18.0	480

Modified Trinkle Fitting⁶

Cat. No.	Diam. (mm)	Length (mm)
0227-5060	6.0 ⁵	400
0227-5065	6.5 ⁵	400
0227-5070	7.0 ⁵	400
0227-6075	7.5	480
0227-6080	8.0	480
0227-6085	8.5	480
0227-6090	9.0	480
0227-6095	9.5	480
0227-6100	10.0	480
0227-6105	10.5	480
0227-6110	11.0	480
0227-8115	11.5	480
0227-8120	12.0	480
0227-8125	12.5	480
0227-8130	13.0	480
0227-8135	13.5	480
0227-8140	14.0	480
0227-8145	14.5	480
0227-8150	15.0	480
0227-8155	15.5	480
0227-8160	16.0	480
0227-8165	16.5	480
0227-8170	17.0	480
0227-8175	17.5	480
0227-8180	18.0	480

Optional Instruments

Cat. No.	Description
5235-6-606	Hand Reamer 6 mm w/T-Handle
5235-6-607	Hand Reamer 7 mm w/T-Handle
5235-6-608	Hand Reamer 8 mm w/T-Handle
5235-6-609	Hand Reamer 9 mm w/T-Handle
0227-0060	Hand Reamer 6 mm w/Mod Trinkle connection
0227-0070	Hand Reamer 7 mm w/Mod Trinkle connection
0227-0080	Hand Reamer 8 mm w/Mod Trinkle connection
0227-0090	Hand Reamer 9 mm w/Mod Trinkle connection
1806-6520	Curved Reduction Rod 8.5 mm w/Mod Trinkle connection
1806-6500	T-Handle w/Mod Trinkle connection

Additional Items

Cat. No.	Description
0225-6001	Storage Tray empty - Full Bixcut Kit (for Cat. No. 0225-6600)
0225-6005	Storage Tray Lid - Full Bixcut Kit (for Cat. No. 0225-6600)
0225-6045	Storage Tray empty - Mini Modular Kit (for Cat. No. 0225-6025)
0225-6055	Storage Tray empty - Large Modular Kit (for Cat. No. 0225-6035)
0225-6020	Reamer Tray - Modular Head Kits Ø 9 – 18 mm (for Cat. No. 0225-6025 and 0225-6035)
0225-6030	Reamer Tray - Modular Head Kits Ø 18.5 – 28 mm (for Cat. No. 0225-6035)

5. Use with 2.2mm×800mm Smooth Tip and 2.5mm×800mm Ball Tip Guide wires only.
6. Use with Stryker Power Equipment