



IM Nail Reference

Driver & bolt guide for removal of identified IM nails · Echo Orthopaedics

BRAND	NAIL	BOLT	DRIVERS	NOTES
Acumed				
Polaris	Polaris Humeral	P8	2.5/3.5mm HEX	
Aesculap				
Targon	Targon Femoral	P21	—	
Downs				
Targon	Targon Tibial	P15	—	
B Braun				
Huckstep	Huckstep Femoral & Tibial	P5	3.5mm HEX	
AO				
Universal	Universal Tapered (original)	C2/C4/C6	—	
Universal	V Thread Tapered	C1/C3/C5	—	
Austofix				
	All nails	P5	—	
Biomet / ZimmerBiomet				
Phoenix / Uniflex	Ankle Arthrodesis / Uniflex Tibial / Humeral / Retrograde Femoral / Phoenix Ankle	P12	3.5/5.0mm HEX, T25 set screw	
Holland / Uniflex	Knee Arthrodesis / Holland / Femoral / Uniflex Femoral & Recon	P17	5.0mm HEX	
Pediatric Nail	Pediatric Nail	P7	5.0mm HEX	
Peri Trochanteric	Peri Trochanteric Nail	P16	3.5/5.0mm HEX, 6mm Square	
ST Pro	ST Pro	P12	3.5mm HEX	
Citeffe				
	Femoral & Tibial	P15	—	
Corin				
Halder	Halder Humeral	P5	—	
Cremascoli				

BRAND	NAIL	BOLT	DRIVERS	NOTES
Hexagone	Hexagone Tibial	P14	2.5/3.5/5.0mm HEX	
	Femoral & Tibial	P22	3.5/5.0mm HEX	
DePuy ACE / ZimmerBiomet				
AIM	AIM Humeral / Tibial	P8	2.5/3.5/5.0mm HEX	
AIM	AIM Femoral / Supracondylar / ART Femoral	P13	—	
ATN	ATN Trochanteric	—	—	CES-SR-04
Chandler	Chandler Tibial	P7	N/A	
Versanail	Versanail Ankle Fusion TTC	P13	3.5mm HEX	
Versanail	Versanail Tibial & Femoral	P13	3.5/4.5/5.0mm HEX	
Affixus	Affixus	P19	5.0mm HEX / 3.5mm HEX / Lag extractor	Remove set screw CES-SR-07
Encore				
True Fix	True Fix Distal Femoral / Proximal Humeral / Ankle Fusion	P8	3.5mm HEX	
	Femoral and Tibial	P1	—	
Medin SA				
	Femoral Nail	P11	4.5mm HEX, flat blade for lag	
Fry				
Hexagone	Hexagone Tibial	P11	—	
Orthofix				
Centronail	Centronail	P5	—	
Veronail	Veronail	P9	—	
IM Hip Screw	IM Hip Screw	P26	—	
Richards				
	Tibial	P11	—	
	Recon	P23	—	

BRAND	NAIL	BOLT	DRIVERS	NOTES
	Femoral	P17	—	
Smith & Nephew				
Russell-Taylor	Russell-Taylor Humeral	P7	3.5mm HEX	
Russell-Taylor	Russell-Taylor Femoral & Recon	P17	3/16" HEX / 5/32" HEX	
Russell-Taylor	Russell-Taylor Tibial	P12	—	
Russell-Taylor	Russell-Taylor Delta Tibial	P12	—	
Russell-Taylor	Russell-Taylor Delta Femoral & Recon	P17	3.5mm HEX / 5/32" HEX	
Trigen	Trigen (all)	P12	3/16" HEX / 6.0mm HEX	
Ender	Ender Nail	H1	N/A	
Intraplant	Intraplant Gliding Nail (main femoral)	P24	—	
Intraplant	Intraplant Gliding Nail (gamma arm)	P9	—	
Trigen	Trigen Hindfoot	P12	3/16" HEX (4.7mm equiv)	
Trigen Intertan	Trigen Intertan (MetaTan)	P12	3/16" HEX	lag bolt extractor CES-SR-08
Stryker				
T2	T2 Humeral	P4	2.5mm HEX	
Gamma	Gamma (original)	P25/P15	4.0/5.0mm HEX	
Gamma 3	Gamma 3	P15	5/32" HEX / 8.0mm HEX / Gamma screw remover	Remove set screw
Gamma 4	Gamma 4	P22	5/32" HEX / 8.0mm HEX / Easy out for lag	Remove set screw
	Humeral	P5	3.5/2.5mm long thin shaft	
Gross/Kempf	Gross/Kempf Femoral & Tibial	P21	3.5/5.0mm HEX	
IC Nail	IC Nail Femoral / Tibial / T2 Tibial & Femoral	P14	3.5/6.0/4.0mm HEX	
Seidel	Seidel Humeral	P3	2.5mm HEX (long thin shaft)	
Alta	Alta Humeral	P8	T20 Torx	
Alta	Alta Femoral	P12	T25 Torx	

BRAND	NAIL	BOLT	DRIVERS	NOTES
	Solid (unreamed) Humeral	P3	2.5mm HEX	
Ti Nail	Ti Nail	P14	—	
Synthes / DePuySynthes				
	Solid (unreamed) Tibial	P5	2.5mm HEX	
	Solid (unreamed) Femoral / Recon / Supracondylar	P10/P15	2.5mm HEX	
Universal	Universal Tibial & Femoral	C1–C6	3.5mm HEX	
	Cannulated Femoral / Recon / Supracondylar	P10/P15	3.5mm HEX	
	Flexible Humeral	P2	2.5mm HEX	
	Cannulated Tibial	P10/P15	3.5mm HEX	
Expert	Expert Femoral	P15	T25/T40 Torx	
Expert	Expert Tibial	P15	T25/T40 Torx	
	Distal Femoral	P15	3.5mm HEX / spiral blade	
PFN/A	PFN/A (Proximal Femoral Nail)	P15	Screw remover / T25 HEX 3.5 / T40	CES-SR-05
M/DN	M/DN/All	P13	3.5mm HEX	
TFNA	TFNA	P22	T25/T40 Torx	P3 for helical blade CES-SR-09
UTC	Titanium Tibial (UTC)	P8	3.5mm HEX	ID: 2 small prox holes
UTC	UTC Tibial	P4	Triangular shape	
	Spiral Blade	P10	P10 on slap attachment	
Zimmer / ZimmerBiomet				
ZMS	ZMS Tibial & Humeral	P8	5.0mm HEX	
ZMS	ZMS Femoral	P18	5.0mm HEX	
Hansen Street / Harris / Schneider	Hansen Street / Harris / Tibia / Schneider	P8	2.5mm HEX	
Neff	Neff Nail	H2	N/A	

BRAND	NAIL	BOLT	DRIVERS	NOTES
Zickel	Zickel	P12	5/32" HEX / 3/16" HEX	
Natural Nail	Natural Tibia & Retrograde	P12–P13	3.5mm HEX screws, 5.0mm HEX end cap	
Natural Nail	Natural Nail (Recon Femoral)	P15	3.5mm HEX, lag screw (easy out if ZB unavailable)	Remove set screw before P15 bolt
Orthopediatrics				
Pedinail	Pedinail	P8	3.5mm HEX	
PNP	PNP Femur (child)	P7	3.5mm HEX	
PNP	PNP Nail (adolescent)	P12	3.5mm HEX	
Orthosolutions				
Oxbridge	Oxbridge Hindfoot	P5	HEX	
Integra / Smith & Nephew				
Panta	Panta	P2 (Gen 1) / P15 (Gen 2)	—	
NuVasive				
Precise	Precise	P9	3.5mm HEX	Smooth screws
Heracles				
Heracles PFN	Heracles PFN	P22	T40 end cap / T25 distal	T40 set screw
Unknown / misc				
Pugh	Pugh Hip Screw	P5	—	
Marchetti	Marchetti Femoral	P21	—	
Frankfurt	Frankfurt	P25	—	
Frankfurt	Frankfurt 12mm	P16	—	
Iso Kuntscher	Iso Kuntscher Slot	H1/H2	—	
Biomanti	Biomanti SRL Clos Nail	P10	—	
Ultimax	Ultimax Tibial & Femoral	P8	—	
Fixano	Fixano DSS	P20	—	
Broker-Willis	Broker-Willis Femoral	—	4.5mm HEX	

BRAND	NAIL	BOLT	DRIVERS	NOTES
Broker-Willis	Broker-Willis Tibial	—	3.5mm HEX	
Pathfinder	Pathfinder	—	4.5mm HEX	
Vecsei	Vecsei screw with Gross/Kempf	—	4.0/8.0mm HEX	
Traumed	Traumed Germany Humeral	P3	—	
Bioimpianti	Bioimpianti Tibia	P18	3.5mm HEX	
Guichet	Guichet Nail	P5	3.5mm HEX	
SIGN Fracture Care				
SIGN IM	SIGN IM (Gambia)	P8	3.5mm HEX	
Other				
Corail	Corail Stem	P5	—	Other items
Ring Cup	Ring Cup	P15	—	Other items

Lag screw removers — CES-SR series

Specify product code when ordering from Echo Orthopaedics

CES-SR-02 Synthes UFN & CTN spiral blade	CES-SR-03 Stryker / Howmedica Gamma & Gamma 3 lag screw	CES-SR-04 DePuy ATN lag screw	CES-SR-05 Synthes PFNA blade extractor
CES-SR-06 Biomet PTN lag screw	CES-SR-07 Biomet Affixus lag screw	CES-SR-08 Smith & Nephew Intertan lag screw	CES-SR-09 Synthes TFNA lag screw
CES-B-P3 Synthes TFNA helical blade — P3 bolt with slap hammer attachment			

For unidentified lag screws: **CES-DS-25** — easy out cannulated screw driver · **01444 882 210** · www.echo-ortho.co.uk