

PRODUCT CATALOG

BlacksmithWave

Craftsmanship for your prosperity





Professional Solutions for implant prosthetics.

BlacksmithWave is a supplier of high-precision implant prosthetics for the dental industries.

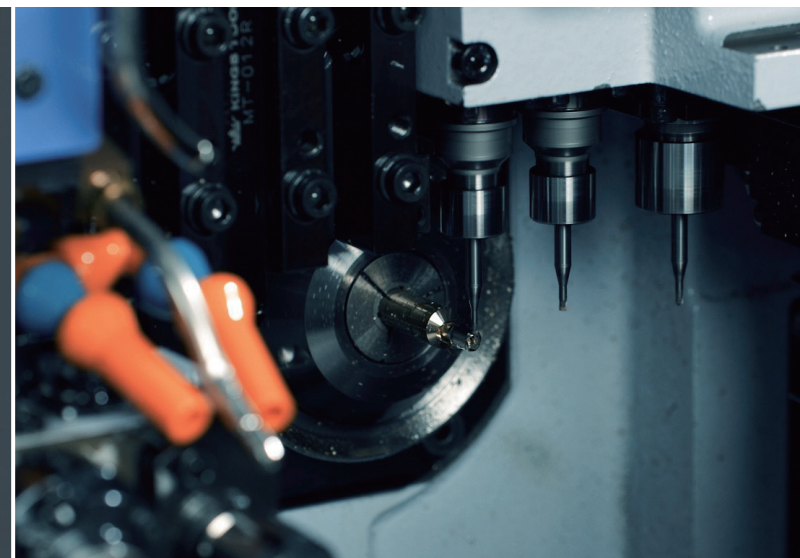
From product design to manufacturing, we offer a wide range of products compatible with various implant systems at competitive prices with advanced manufacturing process and optimized quality control systems that meet the high safety and regulatory requirements of the United States (FDA).

Welcome to the world of
BlacksmithWave



We provide success through Quality Management Excellence

BlacksmithWave



Pre-milled Blank

- BOTH engaging & non-engaging
- 10mm / 14mm

Features

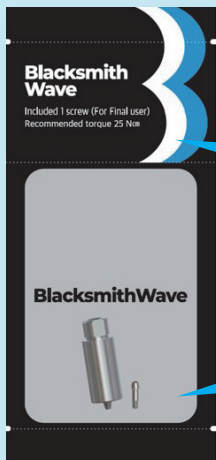
- **Proven material use**
 - Titanium Grade 5 ELI
- **Compatible with 11 manufacturers**
 - Straumann BL NC/RC
 - Straumann BLX
 - NobelBiocare Active 3.0/NP/RP/WP
 - Zimmer TSV 3.5/4.5/5.7
 - Osstem TS Mini/Regular (Hiossen ET)
 - Dentium SuperLine
 - Megagen AnyRidge
 - ASTRA Tech Implant System™ EV
 - ASTRA Tech OSSEOSPEED™ TX
 - BioHorizons
 - 3i Certain®
- **Total millable length: 20mm**
- **Minimal gingival transition: 0.2mm**
- **Come with 2 screws**



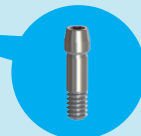
Packaging

Top pocket contains final screw
& shows torque numbers

- Cut out top pocket and send to clinic
- Keep final screw clean and safe
- Save time and cost for BOTH Lab and Clinic
- Lab screw with all Ti base & pre-milled blank



2 Screws!



Final screw
in top pocket



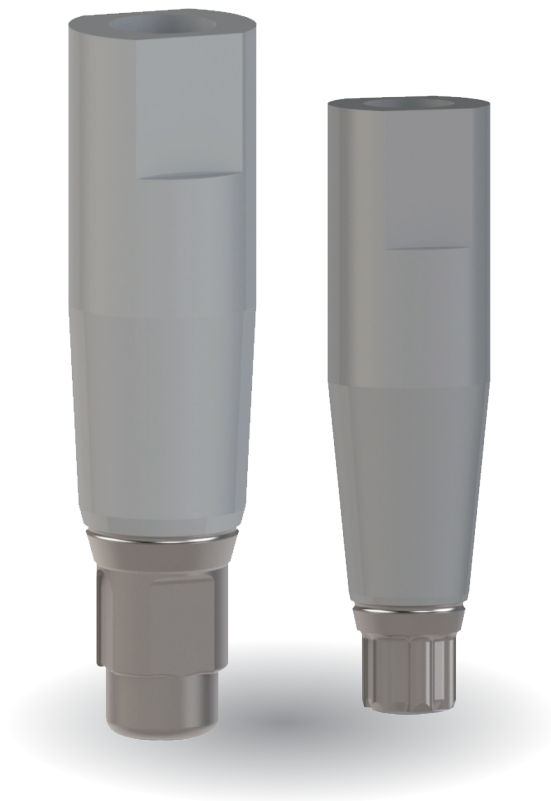
Work screw
in main pocket

Scan Body

- for BOTH engaging & non-engaging

Features

- **For both clinics and laboratories**
- **Durable Surface**
 - No scan powder needed with TiAl coating
 - Save time and obtain accurate scan
- **Shape (half straight & half tapered)**
 - No scan powder needed with TiAl coating
 - Easy on patients' soft tissue
- **Shape (half straight & half tapered)**
 - Screw fit to original implant driver
 - No need purchase separate driver
- **Titanium material**
 - Easy clean
 - Autoclavable



Scan-Enhanced
TiAl Coating
Application

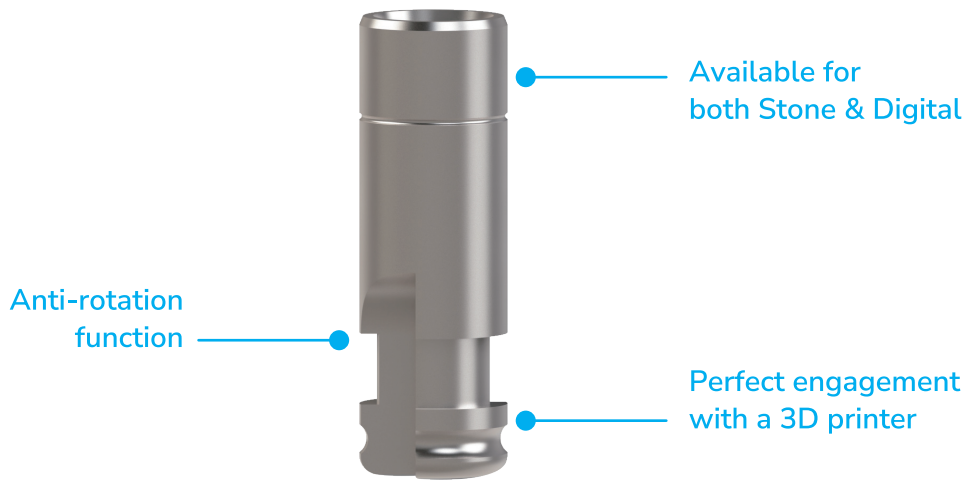
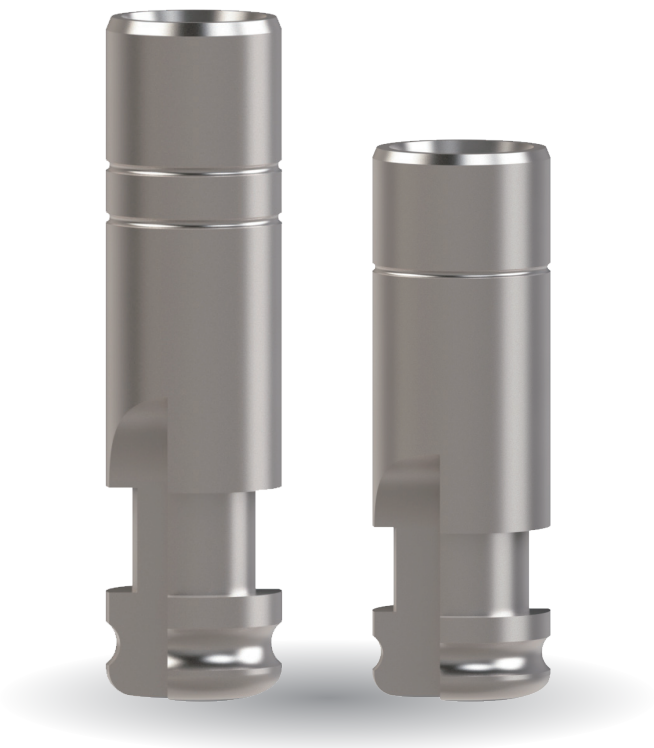


Lab Analog

• for BOTH stone and 3D-printed model

Features

- **Anti-rotation & positioning guide**
 - Prevent rotation, easy positioning, strong hold
- **Insertion assuring notch**
 - “Clicking” assures complete insertion
 - Perfect fit for 3D-printed model
- **Product identification line on post**
 - 1 for Narrow , 2 for Regular size
- **Insertion assuring notch**
 - CAD library includes glue channel hole
 - No need for extra glue space

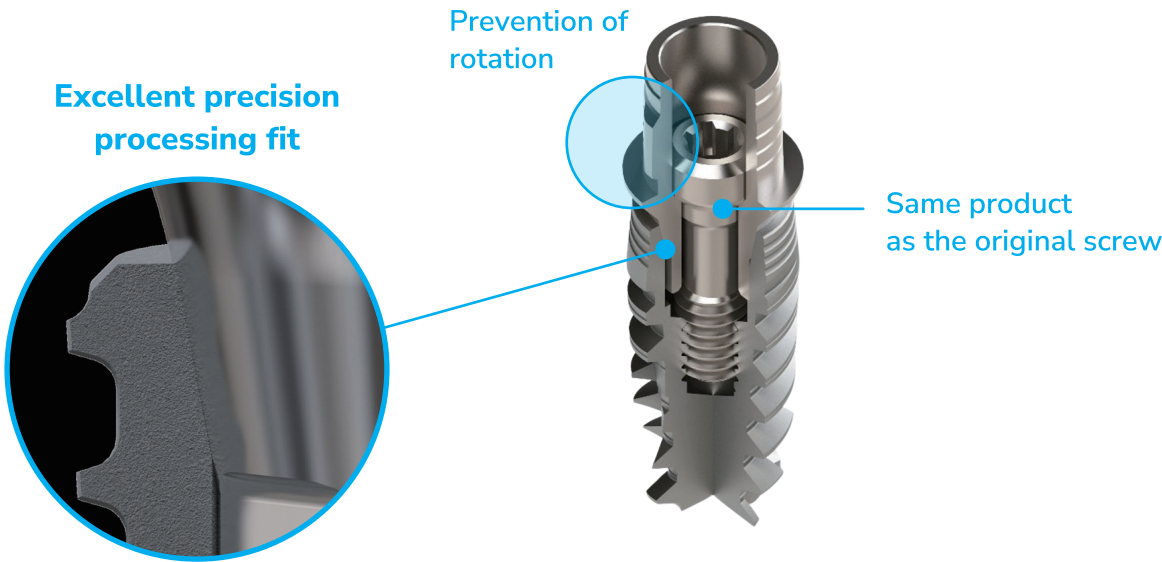


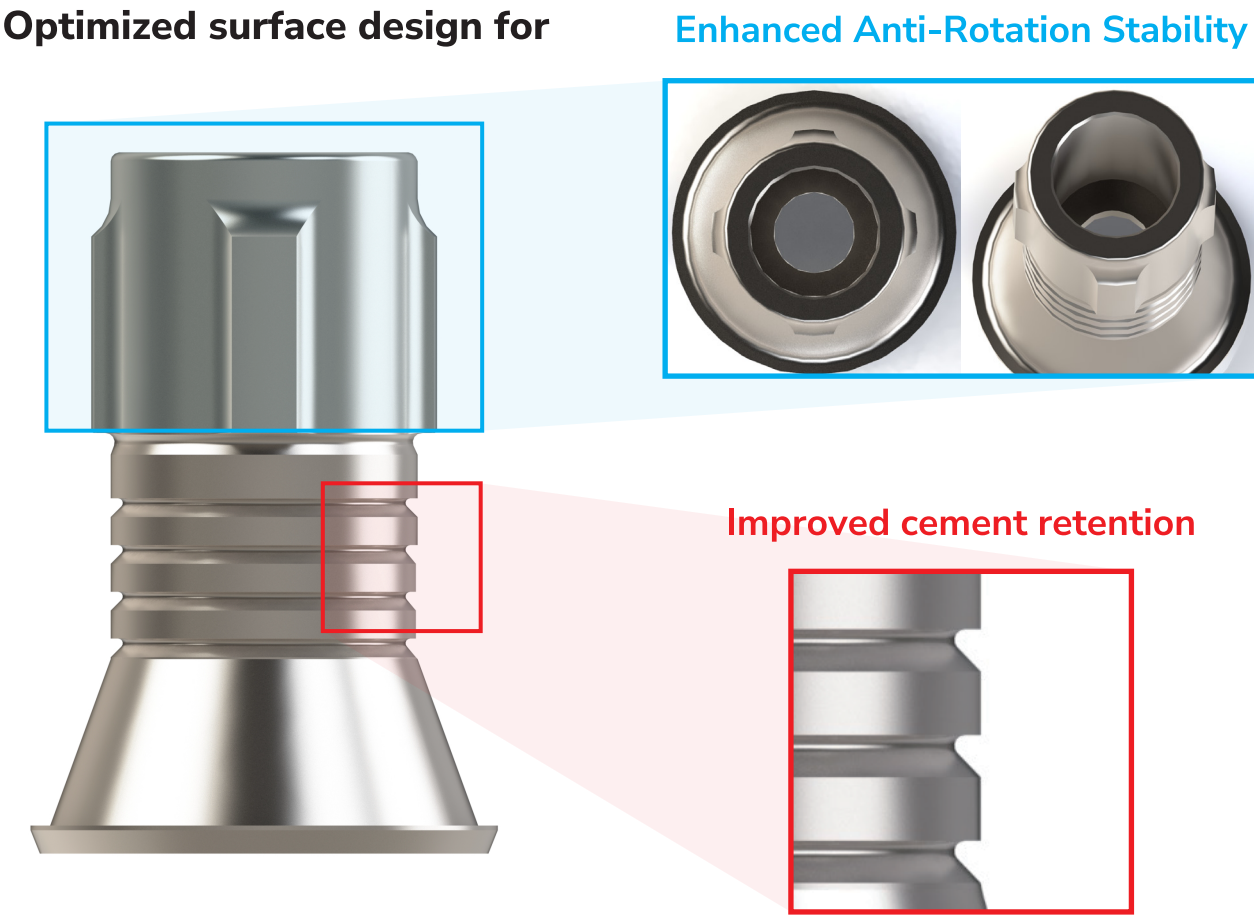
Titanium Base

• for BOTH engaging & non-engaging

Features

- **Anti-rotation ridge**
 - Maintain restoration orientation
- **Strong bonding**
 - Multiple retention grooves
- **Tighter retention in top portion**
 - with CAD library for extra retention
- **Compatible with original screws**
 - No need for extra screw driver
 - Simplify clinical workflow

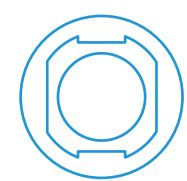




Multi-unit Direct Screw, Compatible With :

Straumann® / Osstem® / Hiossen® / Zimmer® / Nobel Biocare® / 3i® / Neodent® / Astra® / BioHorizons® / Dess® / BlueSkyBio® / Densply® / Dentis ICX® / Keystone® / Medentika® / Neobiotech® / Noris® / Southern Implants® / Thommen Medical®

Multi-unit TI-BASES	Straumann	Neodent	NobelBiocare
H 4.6mm/4.5mm/4.55mm	MUB4046	MUB4545	MUB4845
H 7.1mm/7.0mm/7.2mm	MUB4071	MUB4570	MUB4872
H 12.1mm/12.0mm/12.2mm	MUB40121	MUB45120	MUB48122
Multi-unit SCAN BODY	MSB40	MSB45	MSB48
Multi-unit ANALOGS	MUAL40	MUAL45	MUAL48
Multi-unit SCREW	MUBS40	MUBS45	MUBS48
Recommended torque 15Ncm 10ea / Package			
Multi-unit Direct SCREW	Straight Screw Channel (SSC)	Angulated Screw Channel (ASC)	
Recommended torque 20Ncm 20ea / Package	MUBS40(D) 	MUBS40(DA) 	Angulated Screw Channel Up to 25°

	CONICAL SQUARE				 Engaging	 Non-engaging
	Compatible with Straumann® bone level					

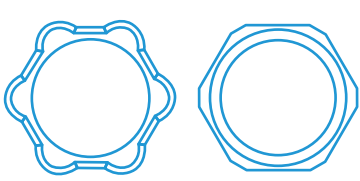
Ti-BASE	Type	G/H	P/H	Code	
				NC	RC
 NC Ø 3.8mm RC Ø 4.0mm		GH 1.0mm	Post 3.5mm	TBSTN3813S	TBSTR4013S
			Post 5.5mm	TBSTN3815S	TBSTR4015S
		GH 2.0mm	Post 3.5mm	TBSTN3823S	TBSTR4023S
			Post 5.5mm	TBSTN3825S	TBSTR4025S
		GH 1.0mm	Post 3.5mm	TBSTN3813N	TBSTR4013N
			Post 5.5mm	TBSTN3815N	TBSTR4015N
		GH 2.0mm	Post 3.5mm	TBSTN3823N	TBSTR4023N
			Post 5.5mm	TBSTN3825N	TBSTR4025N

PRE-MILLED BLANK	Type	Diameter	Code	
			NC	RC
		TI Ø 10mm	PM10STN20S	PM10STR24S
		TI Ø 14mm	PM14STN20S	PM14STR24S
		TI Ø 10mm	PM10STNN	PM10STRN
		TI Ø 14mm	PM14STNN	PM14STRN

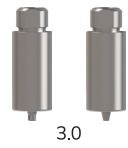
SCAN BODY	Type	Code	
		NC	RC
		SCAN STN	SCAN STR

ANALOG	Type	Code	
		NC	RC
		ALSTN	ALSTR

SCREW TORX		Code	
		NC	RC
	Recommended torque 35N _{cm}	CKSTS (N)	CKSTS (R)

	ACTIVE HEX				 Engaging	 Non-engaging
	Compatible with NobelBiocare® Nobel Active					

Ti-BASE	G/H	P/H	Code			
			3.0	NP	RP	WP
 3.0	1.0mm	3.5mm	 TBNO3513T	 TBNO4013H	TBNO4513H	TBNO5013H
		5.5mm	 TBNO3515T	 TBNO4015H	TBNO4515H	TBNO5023H
	2.0mm	3.5mm	 TBNO3523T	 TBNO4023H	TBNO4523H	TBNO5015H
		5.5mm	 TBNO3525T	 TBNO4025H	TBNO4525H	TBNO5025H
 NP, RP, WP	1.0mm	3.5mm	 TBNO3513N	 TBNO4013N	TBNO4513N	TBNO5013N
		5.5mm	 TBNO3515N	 TBNO4015N	TBNO4515N	TBNO5015N
	2.0mm	3.5mm	 TBNO3523N	 TBNO4023N	TBNO4523N	TBNO5023N
		5.5mm	 TBNO3525N	 TBNO4025N	TBNO4525N	TBNO5025N

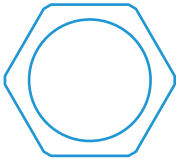
PRE-MILLED BLANK	Diameter	Code			
		3.0	NP	RP	WP
 3.0	TI Ø 10mm	 PM10NOM30T	 PM10NON22H	PM10NOR26H	PM10NOW35H
	TI Ø 14mm	 PM14NOM30T	 PM14NON22H	PM14NOR26H	PM14NOW35H
	TI Ø 10mm	 PM10NOMN	 PM10NONN	PM10NORN	PM10NOWN
	TI Ø 14mm	 PM14NOMN	 PM14NONN	PM14NORN	PM14NOWN

SCAN BODY	Code			
	3.0	NP	RP	WP
	SCAN NO3	SCAN NON	SCAN NOR	SCAN NOW
				

ANALOG	Code			
	ALNO3	ALNON	ALNOR	ALNOW
				

SCREW TORX	Code			
	CKNOS	CKNON	CKNOR	CKNOR
				

Recommended torque
3.0 : 15N_{cm},
NP, RP, WP : 35N_{cm}

	INTERNAL HEX					 Engaging  Non-engaging
	Compatible with Zimmer® Screw-vent (TSV)					

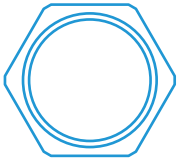
Ti-BASE	Type	G/H	P/H	Code		
				3.5	4.5	5.7
		1.0mm	3.5mm	TBZM3813H	TBZM4513H	TBZM6513H
			5.5mm	TBZM3815H	TBZM4515H	TBZM6515H
		2.0mm	3.5mm	TBZM3823H	TBZM4523H	TBZM6523H
			5.5mm	TBZM3825H	TBZM4525H	TBZM6525H
		1.0mm	3.5mm	TBZM3813N	TBZM4513N	TBZM6513N
			5.5mm	TBZM3815N	TBZM4515N	TBZM6515N
		2.0mm	3.5mm	TBZM3823N	TBZM4523N	TBZM6523N
			5.5mm	TBZM3825N	TBZM4525N	TBZM6525N

PRE-MILLED BLANK	Type	Diameter	Code		
			3.5	4.5	5.7
		Tl Ø 10mm	PM10ZM35H	PM10ZM45H	PM10ZM57H
		Tl Ø 14mm	PM14ZM35H	PM14ZM45H	PM14ZM57H
		Tl Ø 10mm	PM10ZM35N	PM10ZM45N	PM10ZM57N
		Tl Ø 14mm	PM14ZM35N	PM14ZM45N	PM14ZM57N

SCAN BODY		Code		
		3.5	4.5	5.7
	SCAN Z35	SCAN Z45	SCAN Z57	

ANALOG		Code		
		ALZ35	ALZ45	ALZ57
				

SCREW HEX 1.27 mm		Code		
		CKZMS		
Recommended torque 30N _{cm} 				

	CONICAL HEX			 Engaging	 Non-engaging
	Compatible with Dentium® Superline				

Ti-BASE	Type	G/H	P/H	Code
		1.0mm	3.5mm	TBDNR4513H
			5.5mm	TBDNR4515H
		2.0mm	3.5mm	TBDNR4523H
			5.5mm	TBDNR4525H
		1.0mm	3.5mm	TBDNR4513N
			5.5mm	TBDNR4515N
		2.0mm	3.5mm	TBDNR4523N
			5.5mm	TBDNR4525N

PRE-MILLED BLANK	Type	Diameter	Code
		TI Ø 10mm	PM10DNR25H
		TI Ø 14mm	PM14DNR25H
		TI Ø 10mm	PM10DNRN
		TI Ø 14mm	PM14DNRN

SCAN BODY	Code
	SCAN DNR

ANALOG	Code
	ALDNR

SCREW HEX 1.27 mm	Code
	CKDNR

Ti-BASES	Type	G/H	P/H	Code		
				RB/WB		WB
 2 Screws		GH 1.0mm	Post 3.5mm	TBSBX3813T	TBSBX4513T	TBSBX5513T
			Post 5.5mm	TBSBX3815T	TBSBX4515T	TBSBX5515T
		GH 2.0mm	Post 3.5mm	TBSBX3823T	TBSBX4523T	TBSBX5523T
			Post 5.5mm	TBSBX3825T	TBSBX4525T	TBSBX5525T
		GH 1.0mm	Post 3.5mm	TBSBX3813N	TBSBX4513N	TBSBX5513N
			Post 5.5mm	TBSBX3815N	TBSBX4515N	TBSBX5515N
		GH 2.0mm	Post 3.5mm	TBSBX3823N	TBSBX4523N	TBSBX5523N
			Post 5.5mm	TBSBX3825N	TBSBX4525N	TBSBX5525N

PRE-MILLED BLANKS	Type	Diameter	Code	
			RB/WB	WB
		TI Ø 10mm	PM10SBXRT	PM10SBXWT
		TI Ø 14mm	PM14SBXRT	PM14SBXWT
		TI Ø 10mm	PM10SBXRN	PM10SBXWN
		TI Ø 14mm	PM14SBXRN	PM14SBXWN

SCAN BODY	Code	
	RB/WB	
		
	SCAN SBX	

ANALOGS	Code	
	RB	WB
	ALSBXR	ALSBXW
		

SCREW			
	Recommended torque 35Ncm		
	ASSBX	5ea / Package	

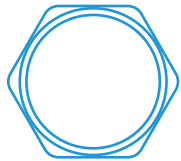
Ti-BASES	Type	G/H	P/H	Code			
				NP 3.4	RP 4.1	WP 5.0	WP 6.0
 2 Screws		GH 1.0mm	Post 3.5mm	TBB3I3913H	TBB3I4313H	TBB3I5213H	TBB3I6213H
			Post 5.5mm	TBB3I3915H	TBB3I4315H	TBB3I5215H	TBB3I6215H
		GH 2.0mm	Post 3.5mm	TBB3I3923H	TBB3I4323H	TBB3I5223H	TBB3I6223H
			Post 5.5mm	TBB3I3925H	TBB3I4325H	TBB3I5225H	TBB3I6225H
		GH 1.0mm	Post 3.5mm	TBB3I3913N	TBB3I4313N	TBB3I5213N	TBB3I6213N
			Post 5.5mm	TBB3I3915N	TBB3I4315N	TBB3I5215N	TBB3I6215N
		GH 2.0mm	Post 3.5mm	TBB3I3923N	TBB3I4323N	TBB3I5223N	TBB3I6223N
			Post 5.5mm	TBB3I3925N	TBB3I4325N	TBB3I5225N	TBB3I6225N

PRE-MILLED BLANKS	Type	Diameter	Code			
			NP 3.4	RP 4.1	WP 5.0	WP 6.0
		TI Ø 10mm	PM10B3I34H	PM10B3I41H	PM10B3I50H	PM10B3I60H
		TI Ø 14mm	PM14B3I34H	PM14B3I41H	PM14B3I50H	PM14B3I60H
		TI Ø 10mm	PM10B3I34N	PM10B3I41N	PM10B3I50N	PM10B3I60N
		TI Ø 14mm	PM14B3I34N	PM14B3I41N	PM14B3I50N	PM14B3I60N

SCAN BODY	Code			
	NP 3.4	RP 4.1	WP 5.0	WP 6.0
	SCAN I34	SCAN I41	SCAN I50	SCAN I60
				

ANALOGS	Code			
	NP 3.4	RP 4.1	WP 5.0	WP 6.0
	AL3I34	AL3I41	AL3I50	AL3I60
				

SCREW			
	Recommended torque 20Ncm		
	ASB3I	5ea / Package	



INTERNAL HEX BH

Engaging Non-engaging

Compatible with BioHorizons® Internal

Ti-BASES

	Type	G/H	P/H	Code			
				3.0	NP 3.5	RP 4.5	WP 5.7
 2 Screws		GH 1.0mm	Post 3.5mm	TBBIH3813H	TBBIH4013H	TBBIH4513H	TBBIH5713H
			Post 5.5mm	TBBIH3815H	TBBIH4015H	TBBIH4515H	TBBIH5715H
		GH 2.0mm	Post 3.5mm	TBBIH3823H	TBBIH4023H	TBBIH4523H	TBBIH5723H
			Post 5.5mm	TBBIH3825H	TBBIH4025H	TBBIH4525H	TBBIH5725H
		GH 1.0mm	Post 3.5mm	TBBIH3813N	TBBIH4013N	TBBIH4513N	TBBIH5713N
			Post 5.5mm	TBBIH3815N	TBBIH4015N	TBBIH4515N	TBBIH5715N
		GH 2.0mm	Post 3.5mm	TBBIH3823N	TBBIH4023N	TBBIH4523N	TBBIH5723N
			Post 5.5mm	TBBIH3825N	TBBIH4025N	TBBIH4525N	TBBIH5725N

PRE-MILLED BLANKS

	Type	Diameter	Code			
			3.0	NP 3.5	RP 4.5	WP 5.7
		TI Ø 10mm	PM10BIH30H	PM10BIH35H	PM10BIH45H	PM10BIH57H
		TI Ø 14mm	PM14BIH30H	PM14BIH35H	PM14BIH45H	PM14BIH57H
		TI Ø 10mm	PM10BIH30N	PM10BIH35N	PM10BIH45N	PM10BIH57N
		TI Ø 14mm	PM14BIH30N	PM14BIH35N	PM14BIH45N	PM14BIH57N

SCAN BODY

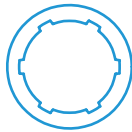
	Code			
	3.0	NP 3.5	RP 4.5	WP 5.7
	SCAN B30	SCAN B35	SCAN B45	SCAN B57
				

ANALOGS

	Code			
	3.0	NP 3.5	RP 4.5	WP 5.7
	ALB30	ALB35	ALB45	ALB57
				

SCREW

	Recommended torque 30N _{cm}	ASBIH25	5ea / Package
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CONIC EV

Engaging Non-engaging

Compatible with ASTRA Tech Implant System™ EV

PRE-MILLED BLANKS

	Type	Diameter	Code				
			EV/3.0	EV/3.6	EV/4.2	EV/4.8	EV/5.4
		TI Ø 10mm	PM10AEV30H	PM10AEV36H	PM10AEV42H	PM10AEV48H	PM10AEV54H
		TI Ø 14mm	PM14AEV30H	PM14AEV36H	PM14AEV42H	PM14AEV48H	PM14AEV54H
		TI Ø 10mm	PM10AEV30N	PM10AEV36N	PM10AEV42N	PM10AEV48N	PM10AEV54N
		TI Ø 14mm	PM14AEV30N	PM14AEV36N	PM14AEV42N	PM14AEV48N	PM14AEV54N

SCAN BODY

	EV/3.0	EV/3.6	EV/4.2	EV/4.8	EV/5.4
	SCAN EV30	SCAN EV36	SCAN EV42	SCAN EV48	SCAN EV54
					

ANALOGS

	ALEV30	ALEV36	ALEV42	ALEV48	ALEV54
					

SCREW

Recommended torque 25N _{cm} 5ea / Package	ASAEV30	ASAEV36	ASAEV42	ASAEV48	ASAEV54
					



INTERNAL HEX

Engaging Non-engaging

Compatible with ASTRA Tech OSSEOSPEED™ TX

PRE-MILLED BLANKS

	Type	Diameter	Code		
			NP/3.0	RP/3.5~4.0	WP/4.5~5.0
		TI Ø 10mm	PM10ATX30H	PM10ATX35H	PM10ATX45H
		TI Ø 14mm	PM14ATX30H	PM14ATX35H	PM14ATX45H
		TI Ø 10mm	PM10ATX30N	PM10ATX35N	PM10ATX45N
		TI Ø 14mm	PM14ATX30N	PM14ATX35N	PM14ATX45N

SCAN BODY

	NP/3.0	RP/3.5~4.0	WP/4.5~5.0
	SCAN TX30	SCAN TX35	SCAN TX45
			

ANALOGS

	ALT30	ALT35	ALT45
			

SCREW

Recommended torque NP/3.0 : 15N _{cm} , RP/3.5~4.0 : 20N _{cm} , WP/4.5~5.0 : 25N _{cm} 5ea / Package	ASATX30	ASATX35	ASATX45
			

Note

[illegible]

Note

[illegible]

Blacksmith Wave

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