



ANGLEBase®

There are numerous clinical situations where the long-axis of the implant results in an unfavorable location of the prosthetic screw access hole. One solution might be to sacrifice the retrievability and cement over the access hole or compromise the aesthetic results.

Now, DESS introduces the ANGLEBase® system, which allows for an angular adjustment of up to 25°. The specially designed Torx-based screw and driver concept will retain the ability to use full recommended torque even at full angulation.

The ANGLEBase® is made of titanium grade V ELI and has a gold-anodised surface finishing that will further optimise the appearance, especially in the aesthetic area. The shaft surface also features the patented and well proven SelectGrip® for optimal cement retention.

To facilitate prosthetic work using traditional casting procedures, ANGLEBase® pre-formed castable caps can be used. They are delivered in multi-packs of 5 pieces, in a straight version as well as pre-angled with 10° and 20°. They are designed to optimise the placement and tightening of the ANGLEBase® screw with the special driver.

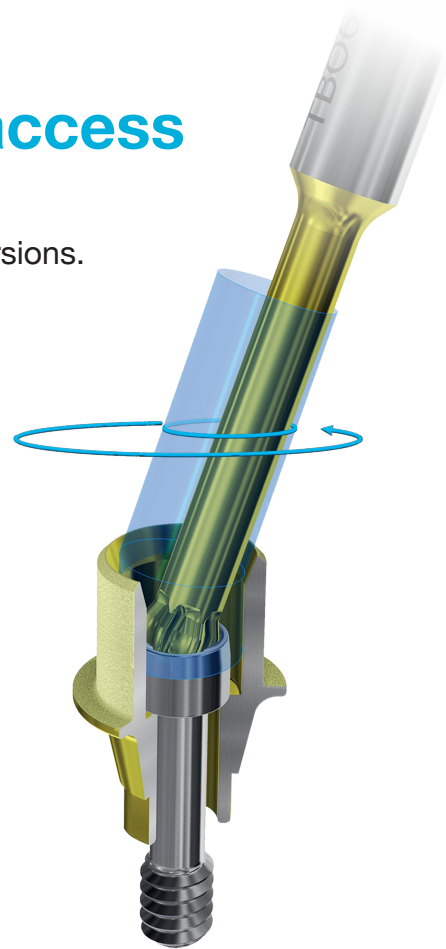
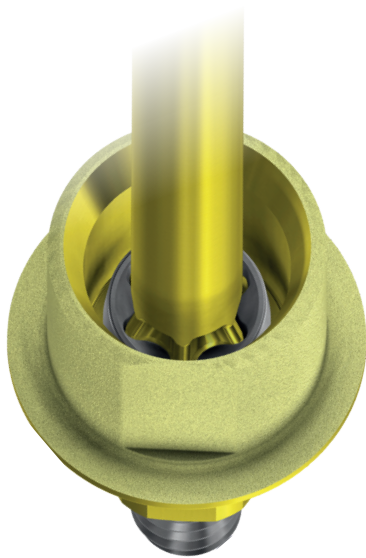
To optimise the possible angulation of the access hole, the shaft of the ANGLEBase® has been reduced to only 3mm, but with a bonding area of more than 33mm², bigger than other higher but sliced solutions.

During ANGLEBase® development process, we conducted both de-bonding and static fatigue tests comparing the results, not only to DESS® standard Ti-Base, but also to competitors' components. A dynamic fatigue test was also conducted and passed the required 5 million load cycles.
























ANGLEBase®

For angulated screw channel access

Made in titanium grade V ELI with a gold anodised hue surface.
Available for most platforms with engaging and non-engaging versions.



Available compatibilities:

 NOBELACTIVE® & NOBELREPLACE® CC	 STRAUMANN® BONE LEVEL	 DENTSPLY FRIADENT XIVE®	 MEGAGEN AnyRidge®
 NOBEL REPLACE SELECT™	 STRAUMANN® BLX	 OSSTEM® TS	 MEDENTIS ICX®
 NOBEL BRÅNEMARK®	 NEODENT® GRAND MORSE	 CAMLOG®	 DENTIUM SUPERLINE™ & IMPLANTIUM®
 3i OSSEOTITE®	 ZIMMER SCREW-VENT®	 CONELOG®	 PHIBO® TSH®
 3i CERTAIN®	 ASTRA TECH IMPLANT SYSTEM™ EV	 BIOHORIZONS® INTERNAL	 MULTI-UNIT CONNECTION
 STRAUMANN® SOFT TISSUE LEVEL & synOcta®	 ASTRA TECH OSSEOSPEED™	 MIS® SEVEN	

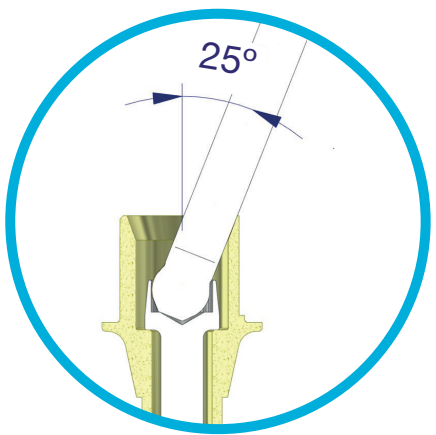
ANGLEBase® Castables

Unique, pre-formed castable caps in straight, 10° and 20° angles for non CAD/CAM procedures.

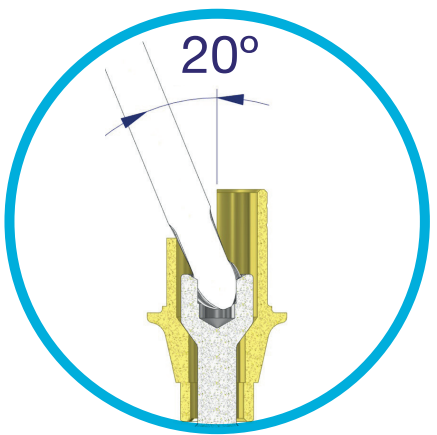


ANGLEBase®

Graphic illustration comparing DESS® ANGLEBase® solution and the competitors' common design, where part of the cylinder is cut open to allow the angulation of the screwdriver. This design does not increase the possible tilt whilst presenting other possible mechanical disadvantages. The 'cylinder cut' design restricts the rotational freedom of the entry angle.



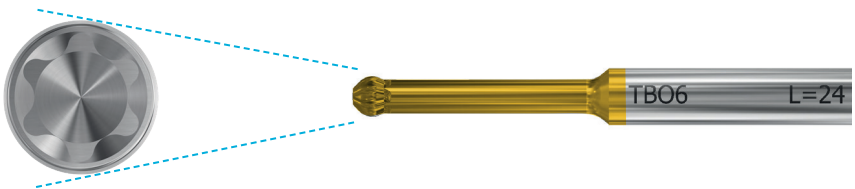
ANGLEBase®



Competitors' design

ANGLEBase® Driver and screw system

The ANGLEBase® TB06 drivers follow strictly the Torx ball system design parameters. Torx has set the global standard in reliability. This will assure optimal fastening torque even at maximum angle of the driver.



ANGLEBase®



TECHNICAL INFORMATION

- Titanium Grade V ELI 23
- SelectGrip® surface treatment
- Gold anodized surface
- Two versions: engaging and non-engaging
- Up to 25° angulation in 360° rotation for optimal results of the ASC (Angulated Screw Channel)
- Typically a cementing surface of 37,83mm²
- Shaft height of 3,0mm
- Combined with our free libraries for Exocad®, 3Shape®, Dental wings® and Blenderfordental®
- CE: Class IIb
- FDA: Class II



FEATURES

- Pure Switch® concept
- Torx Ball based screw socket
- Torx screw included - same screw design as OEM
- Full recommended torque even at maximum angulation
- Short shaft to increase translucency and aesthetics
- Flat face to avoid rotation on engaging version; maximises Zr thickness



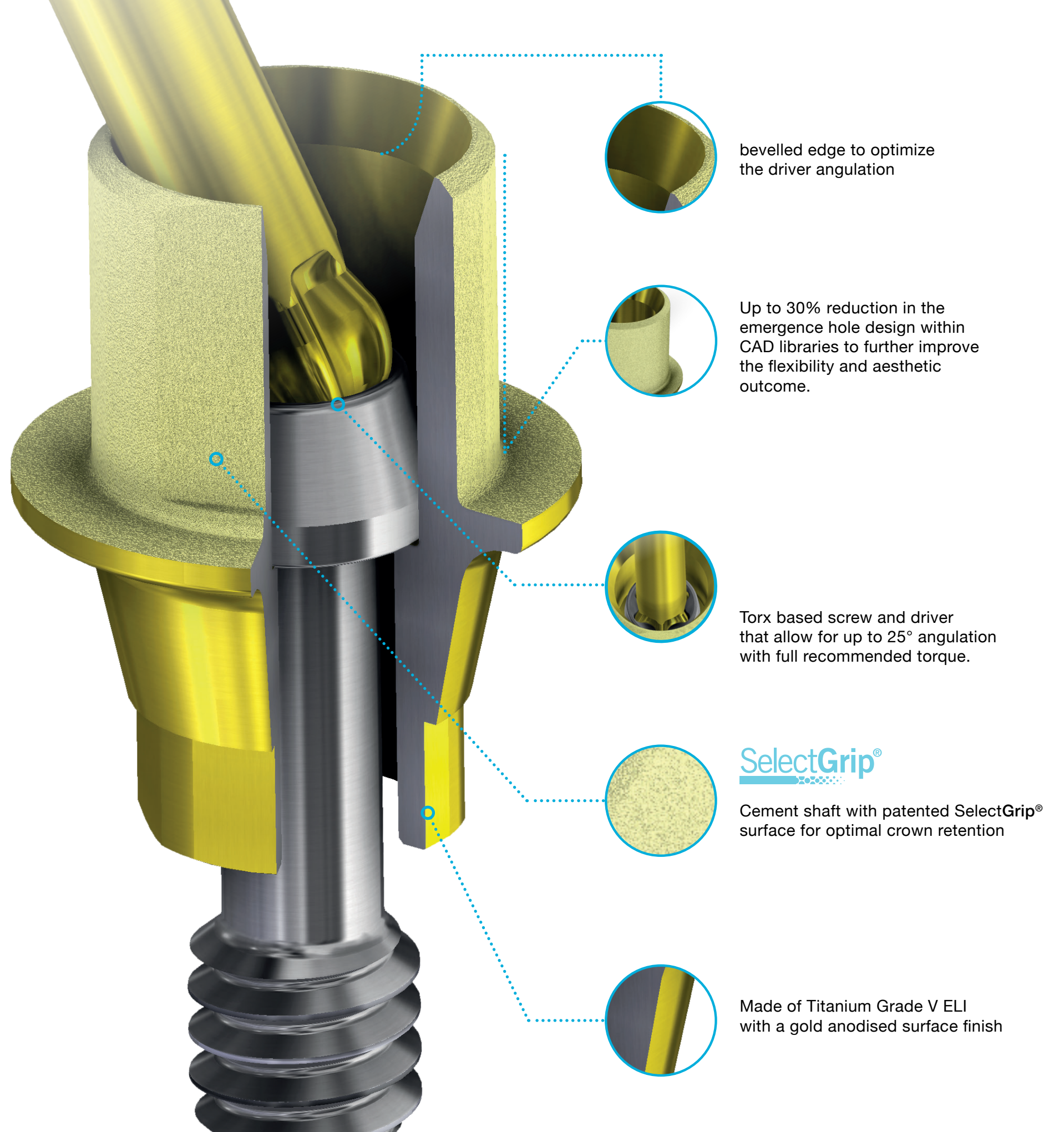
CLINICAL BENEFITS

- Angulated screw channel solution
- Short shaft to give 360° angular freedom up to 25°
- SelectGrip® surface treatment: 5x better cement retention
- Torx Ball screw: optimal torque even at maximum angulation
- Warmer gingival tone in case of gingival retraction
- Parallel walls to increase strength and bond retention

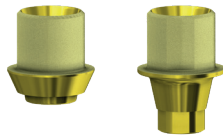


BUSINESS BENEFITS

- Pure Switch®: 100% compatible prosthetic connection
- SelectGrip® surface treatment reduces the risk of debonding
- Digital Workflow: a multi-platform prosthetic restoration library system to simplify the digital process
- Analogic workflow - ANGLEBase® Castables
- Exclusive and innovative product in the market
- Lower investment than the OEM product



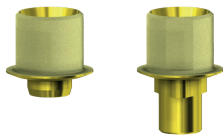
ANGLEBase®



NobelActive® NobelReplace® CC

Active Hex

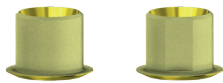
		NP	RP
		3.5	4.3/5.0
		36.041	36.042
		37.041	37.042
		19.441	19.442



Nobel Replace Select™

Tri-Lobe

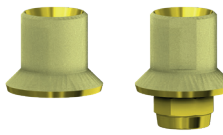
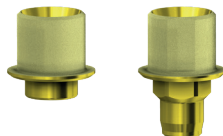
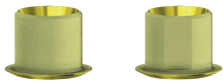
		NP	RP	WP
		NP/3.5	RP/4.3	WP/5.0
		36.004	36.005	36.006
		37.004	37.005	37.006
		19.460	19.405	19.405



NobelBrånemark®

External Hex Universal

		NP	RP
		NP/3.5	RP/4.1
GH 0,3mm		36.001	36.002
GH 1,5mm		36.001/2	36.002/2
GH 2,5mm		36.001/3	36.002/3
GH 0,3mm		37.001	37.002
GH 1,5mm		37.001/2	37.002/2
GH 2,5mm		37.001/3	37.002/3
		19.401	19.402



3i Osseotite®

External Hex USA

		NP	RP	WP
		3.4	4.1	5.0
GH 0,3mm		36.011	36.012	36.013
GH 1,5mm		36.011/2	36.012/2	
GH 2,5mm		36.011/3	36.012/3	
GH 0,3mm		37.011	37.012	37.013
GH 1,5mm		37.011/2	37.012/2	
GH 2,5mm		37.011/3	37.012/3	
		19.402	19.402	19.402

3i Certain®

Internal Hex “CLICK”

		NP	RP	WP
		3.4	4.1	5.0
		36.014	36.015	36.016
		37.014	37.015	37.016
		19.438	19.438	19.438

Straumann® Tissue Level & synOCTA®

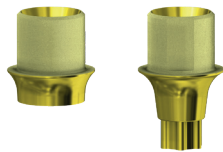
Octagon

		RN	WN
		4.1/4.8	4.8/6.5
		36.046	36.047
		37.009	37.045
		19.446	19.446

Straumann® Bone level®

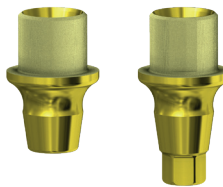
Conical BL

		NP	RP
		NC/3.3	RC/4.1-4.8
		36.043	36.044
		37.043	37.044
		19.443	19.443



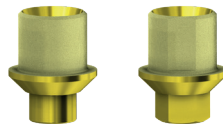
Straumann® BLX
Conical BLX

		RB	WB	RB/WB
		3.5	4.5	
GH 1,5mm		36.062	36.063	36.062
GH 1,5mm		37.062	37.063	37.062
		19.441	19.441	19.441



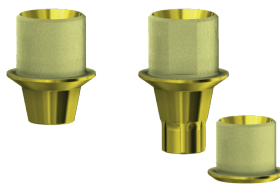
Neodent Grand Morse®
NEO GM

		GM	
GH 2,5mm			36.035/3
GH 2,5mm			37.035/3
			19.444



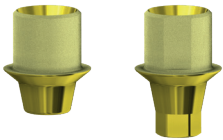
Zimmer® Screw-vent
Internal Hex USA

		NP	RP	WP
		3.5	4.5	5.7
		36.017	36.018	36.019
		37.017	37.018	37.019
		19.417	19.417	19.417



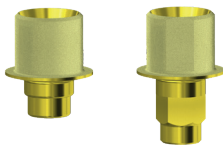
Astra Tech implant system™ EV
Conic EVO

		EV/3.6	EV/4.2	EV/4.8
		3.6	4.2	4.8
		36.059	36.060	36.061
		37.059	37.060	37.061
On uniabutment®		36.058		
		19.441	19.460	19.461
On uniabutment®		19.331		



Astra Tech Osseospeed™
Internal Hex Conic

		RP	WP
		3.5-4.0	4.5-5.0
		36.024	36.025
		37.024	37.025
		19.441	19.425



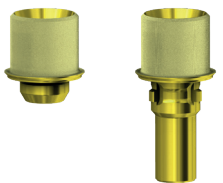
Xive®
Internal Hex FD

		NP	RP	WP
		3.4	3.8	4.5
		36.038	36.039	36.040
		37.038	37.039	37.040
		19.438	19.438	19.438



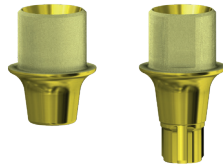
Osstem® TS / Hiossen® ET
Conic OSS

		Mini	STD
		Mini	Regular
		36.072	36.073
		37.072	37.073
		19.444	19.444



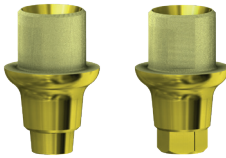
Camlog®
Internal Cam

		3.8	4.3
		3.8	4.3
		36.065	36.066
		37.065	37.066
		19.444	19.444



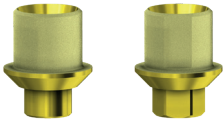
Conelog®
Internal Con

	NP	RP	WP
	3.3	3.8/4.3	5.0
	36.074*	36.075*	36.076*
	37.074*	37.075*	37.076*
	19.474	19.474	19.474



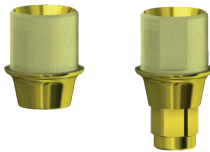
Megagen AnyRidge®
Conic Anyr

	36.057
	37.057
	19.460



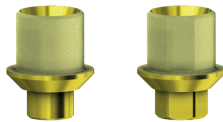
Biohorizons® internal
Internal hex BH

	NP	RP	WP
	3.5	4.5	5.7
	36.087	36.088	36.089
	37.087	37.088	37.089
	19.417	19.417	19.417



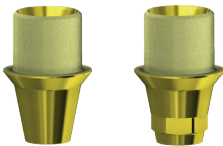
Medentis ICX®
Conic IC

GH 2,2mm		36.080*
GH 0,9mm		36.180*
GH 2,2mm		37.080*
GH 0,9mm		37.180*
2,2mm		19.444
0,9mm		19.443



MIS® seven
Internal hex MI

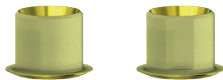
	NP	SP
	3.3	3.75-4.2
	36.017	36.018
	37.017	37.018
	19.417	19.417



	RP				
	3.6	3.8	4.0	4.5	5.0
	36.090*				
	37.090*				
	19.405				

* NO FDA

* NO FDA



Phibo® TSH®
External Hex PH

	NP	SP	WP
	S2	S3-S4	S5
	36.030*	36.031*	36.032*
	36.030/2*	36.031/2*	36.032/2*
	36.030/3*	36.031/3*	36.032/3*
	37.030*	37.031*	37.032*
	37.030/2*	37.031/2*	37.032/2*
	37.030/3*	37.031/3*	37.032/3*
	19.403	19.402	19.402

Multi-Unit

	36.007	36.054
	19.306	19.331



Pack de 5	0°	33.100-P5
Pack de 5	10°	33.101-P5
Pack de 5	20°	33.102-P5



Pack de 5	0°	33.200-P5
Pack de 5	10°	33.201-P5
Pack de 5	20°	33.202-P5

Straumann® Tissue Level & synOCTA®



Torx ball Screwdriver	20 mm	24 mm	30 mm	35 mm
	DT20TB06	DT24TB06	DT30TB06	DT35TB06

All DESS products are manufactured according to ISO 9001and ISO 13485 with CE marking for all products
Class IIb

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Health Canada
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