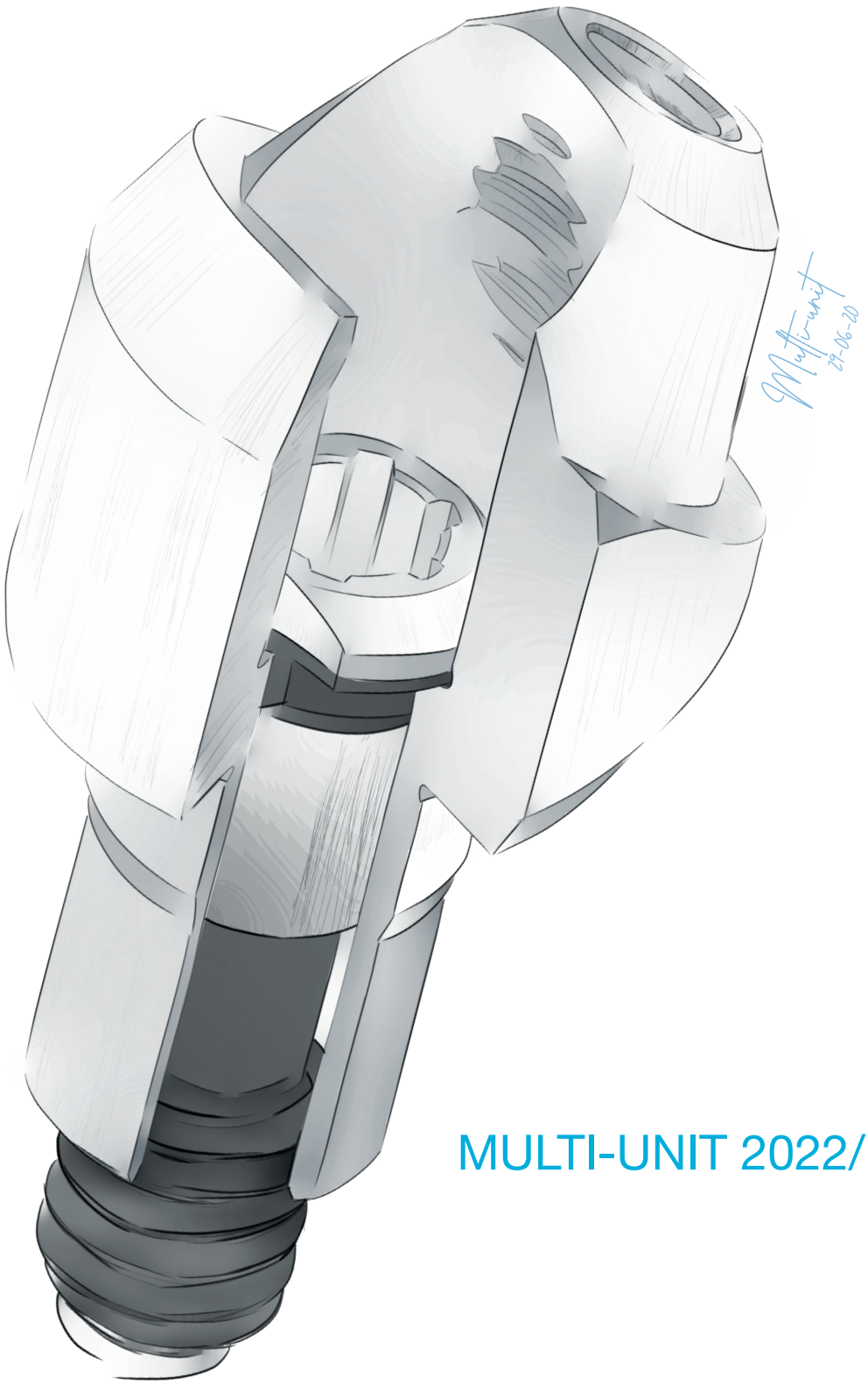
DESS

> DENTAL SMART SOLUTIONS



MULTI-UNIT 2022/1

MULTI-UNIT

When it comes to partial and full arch restorations, DESS® offers the most comprehensive range of transepithelial abutments, including UniAbutments, converter abutments and Multi-units. DESS® offers solutions for original implant systems, even when these components are not available as standard in their range.

One key advantage of using the DESS® Multi-unit range, is the standardization achieved with a unique prosthetic platform across the different implant compatibilities; this together with the standardized treatment protocol, achieves a higher rate of success, especially when it comes to cases with several different implant systems

Main advantages in the use of Multi-unit abutments:

- Full-arch rehab with 4 to 6 implants
- Shorter treatment times
- Graftless procedure
- Correct insertion axis of the prothesis-implant connection
- Different gingival heights to allow adjusting for different implant depths

Free Multi-unit and UniAbutment libraries on our website: www.dess-abutments.com. These will allow you to freely design structures on most CAD/CAM systems.

Available compatibilities*:

NOBELACTIVE® & NOBELREPLACE® CC
ACTIVE HEX

NOBEL REPLACE SELECT™
TRI-LOBE

NOBELBRÅNEMARK®
EXTERNAL HEX
UNIVERSAL

3i OSSEOTITE®
EXTERNAL HEX USA

STRAUMANN® BONE LEVEL
CONICAL BL

STRAUMANN® BLX
CONICAL BLX

NEODENT GRAND MORSE®
NEO GM

ZIMMER SCREW-VENT®
INTERNAL HEX USA

ASTRA TECH IMPLANT SYSTEM™ EV
CONIC EVO

ASTRA TECH OSSEOSPEED™
INTERNAL HEX CONIC

OSSTEM® TS
CONIC OSS

BIOHORIZONS® INTERNAL
INTERNAL HEX BH

MIS® SEVEN
INTERNAL HEX MI

DENTIUM SUPERLINE™ & IMPLANTIUM®
CONIC DENT

(*) As of March 2021, please check with your local distributor for abailability

Straight & Angled abutments

Designed with the precise DESS® connection, our Multi-unit range has an optimal fit between the abutment and the implant connection.

Available in 14 compatibilities, different gingival heights, and a choice of 0º , 17º and 30º angulation, the DESS® range offers you the most complete range in the market.

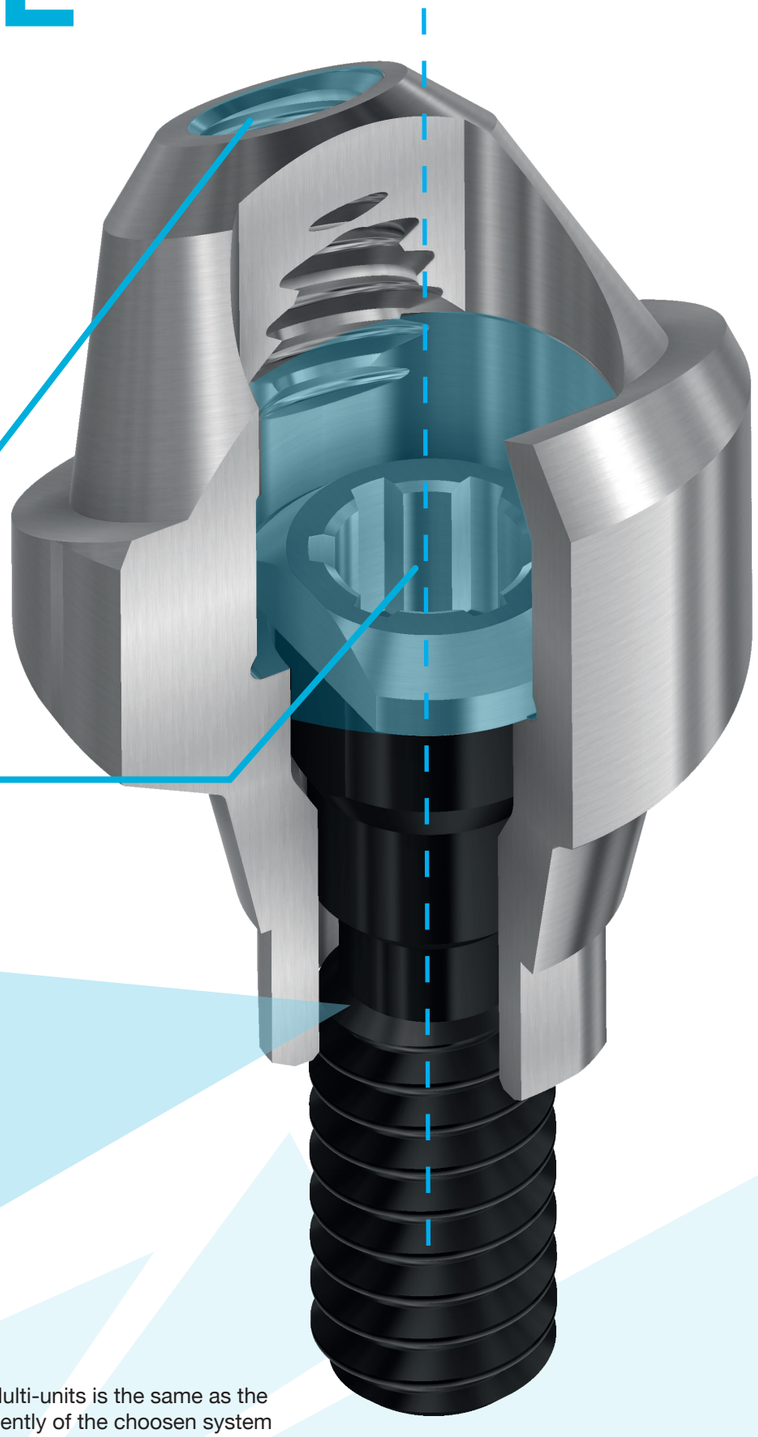
Up to 5 different gingival heights to adapt to almost every clinical case

THE ULTIMATE MULTIUNIT

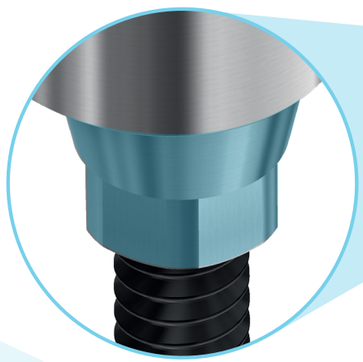
A full thread in the connection cone means a safer and more stable prothesis.

The vertical access of the screw facilitates placement, while allowing you to tighten to a maximum torque of 35Ncm* avoiding screw loosening and improving the stability of the Multi-Unit abutment.

*According to compatibility



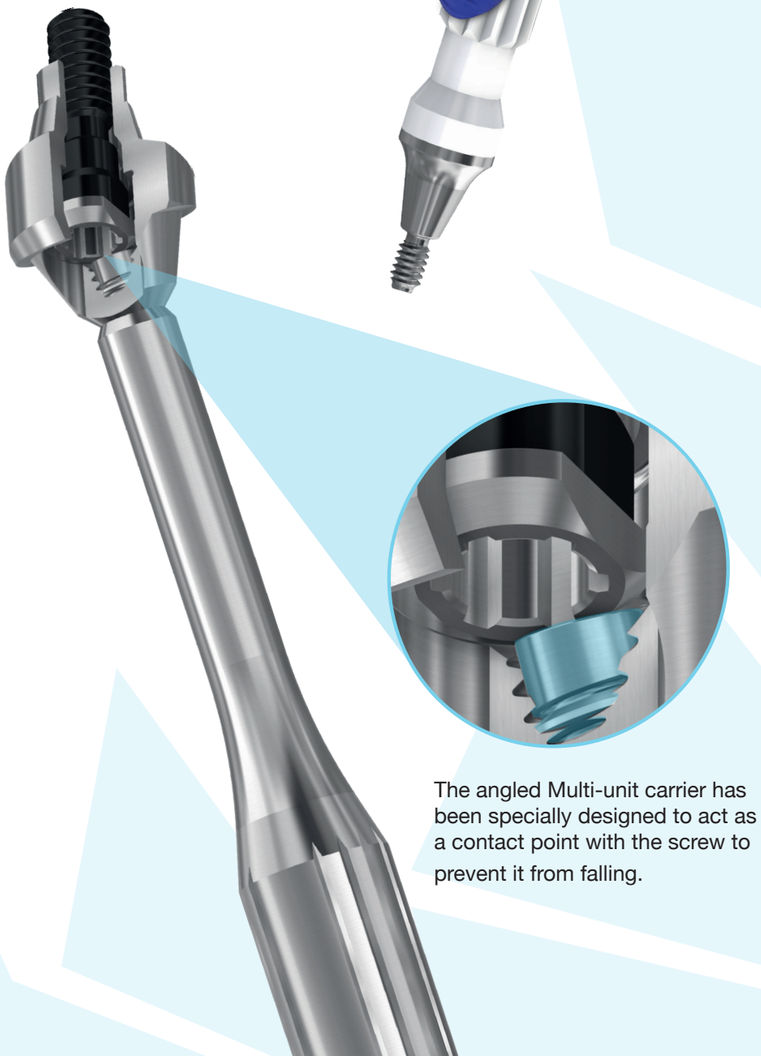
Full shaped connection provides more stability.



The top part of DESS® Multi-units is the same as the Nobel System, independently of the choosen system

Carriers

All our Multi-unit abutments include a carrier, which will help you place correctly the abutment.

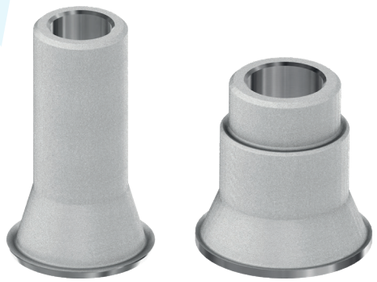


The angled Multi-unit carrier has been specially designed to act as a contact point with the screw to prevent it from falling.

MULTI-UNIT

Ti-Base for Multi-unit

Available with two different shaft heights the DESS® Ti-Base allows you to choose according to the needs of your clinical case.



8mm 6mm

AURUMBase® for Multi-unit

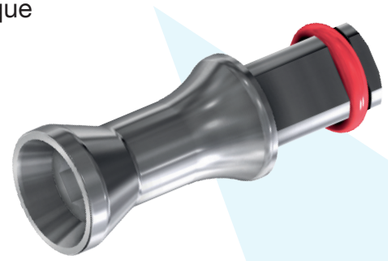
Our Angulated screw channel solution that gives you total angular freedom. Additional 25º entry with 360º rotation on its axis allows you to get the exact angle you need.

DESSLoc® for Multi-unit

Transform a fixed prothesis into a removal overdenture with DESSLoc® for Multi-unit.

Special tool

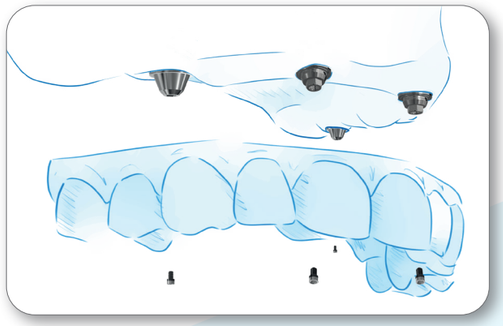
Adjust to the recommended torque using the DESS® Multi-unit tool attached to a torque wrench.



Place straight Multi-units by hand and snap the transporter out. Use the straight Multi-unit tool (RP or WP) with a manual torque wrench to tighten the straight mlti-unit abutment according to the recommended torque shown in the table at the end of this document.

Place the angulated Multi-unit and tighten the final screw, according to the recommended torque in the table at the end of this document, then unscrew the transporter.

Use The DESS scan abutments, to work on your CAD/CAM System or take the impression with the DESS transfers for Multi-unit.



Insert fixed prothesis and tighten the prosthetic screws by alternating left and right side. Finally tighten the prosthetic screws at a maximum of **15Ncm**.
The abutment screw is the same as the Nobel Multiunit screw

It is recommended to schedule a patient visit, 10 days after fitting the overdenture to check and re-tighten the screw

MULTI-UNIT CONNECTION

◯ non-engaging

HEALING ABUTMENT

		RP MULTI-UNIT 4.8	WP MULTI-UNIT 6.5
◯	Uni Grip	20.100	20.054
◯	Hex 1,20mm	20.100H120 *19.055*	
◯	Hex 1,22mm	20.100H122 *19.065*	
◯	Hex 1,27mm	20.100H127 *19.110*	
◯	Torx® Ball	20.100TB *19.306*	

SCAN ABUTMENTS

			50.007	50.047
			52.007	52.047
	10 Un	◯	53.107	53.154
	10 Un	◯	53.107	53.155

TRANSFER

			RP 17.007	WP 17.050
5,0mm			17.507	
5,0mm	4 Un		17.507-P4	
8,0mm			17.807	
8,0mm	4 Un		17.807-P4	

DIGITAL ANALOGUE

Platform Colour Coded

		RP 14.007/D	WP 14.047/D

ANALOGUE

Platform Colour Coded

		RP 14.007	WP 14.047
10 Un	◯	14.007-P10	14.047-P10

TEMPORARY ABUTMENT

		RP MULTI-UNIT 4.8	WP MULTI-UNIT 6.5
◯	Uni Grip	24.007	24.030
◯	Hex 1,20mm	24.007H120 *19.055*	
◯	Hex 1,22mm	24.007H122 *19.065*	
◯	Hex 1,27mm	24.007H127 *19.110*	
◯	Torx® Ball	24.007TB *19.306*	

TEMPORARY ABUTMENT PEEK

◯	Uni Grip
◯	Hex 1,20mm
◯	Hex 1,22mm
◯	Hex 1,27mm
◯	Torx® Ball

DESSLoc®

	RP 88.007	WP

TI-BASE

			RP	WP
6,0mm	◯	Uni Grip	15.007	15.054
6,0mm	◯	Hex 1,20mm	15.007H120 *19.055*	
6,0mm	◯	Hex 1,22mm	15.007H122 *19.065*	
6,0mm	◯	Hex 1,27mm	15.007H127 *19.110*	
6,0mm	◯	Torx® Ball	15.007TB *19.306*	
8,0mm	◯		15.007/8	

TI-BASE CASTABLES

		RP	WP
5 Un	◯	32.007-P5	32.054-P5
5 Un	◯	32.007/8-P5	

AURUMBase®

		RP	WP
		4.8	6.5
○		36.007	36.054

PLASTIC SLEEVES FOR AURUMBse®

5 Un	0°	33.700-P5	33.700-P5
5 Un	10°	33.701-P5	33.701-P5
5 Un	20°	33.702-P5	33.702-P5

Torx® Screw AURUMBase®

(replacement screw)	19.306	19.331

Torx® BALL SCREWDRIVER

20mm	24mm	30mm	35mm
DT20TB06	DT24TB06	DT30TB06	DT35TB06

SCREW UG

		19.006	19.031
10 Un		19.006-P10	19.031-P10
DLC		19.206	19.231
TIN		19.606	19.631
	Hex 1,20mm	19.055	
	Hex 1,22mm	19.065	
	Hex 1,27mm	19.110	

CoCr BASE

6,0mm	○		30.007 / 30.054
6,0mm	○	Hex 1,20mm	30.007H120 *19.055*
6,0mm	○	Hex 1,22mm	30.007H122 *19.065*
6,0mm	○	Hex 1,27mm	30.007H127 *19.110*
6,0mm	○	Torx® Ball	30.007TB *19.306*
For wealding techniques			30.107

CASTABLE

		RP	WP
		4.8	6.5
○		28.007	28.054
10 Un ○		11.007-P10	11.054-P10

NobelActive® & NobelReplace® CC
Active Hex

		3.0	NP	RP	WP
		3.0	3.5	4.3/5.0	5.5
GH 1,5mm	0°		40.007/1	40.008/1	
GH 2,5mm	0°		40.007/2	40.008/2	
GH 3,5mm	0°		40.007/3	40.008/3	
GH 4,5mm	0°			40.008/4	
GH 2,5mm	17°		41.707/2	41.708/2	
GH 3,5mm	17°		41.707/3	41.708/3	
GH 3,5mm	30°		43.007/3	43.008/3	
GH 4,5mm	30°		43.007/4	43.008/4	

4.8
MULTI-UNIT PLATFORM

NobelReplace Select™
Tri-lobe

			NP	RP	WP	6.0
			NP/3.5	RP/4.3	WP/5.0	6.0
GH 1,0mm	0°	○	40.004/1	40.005/1	40.006/1	
GH 2,0mm	0°	○	40.004/2	40.005/2	40.006/2	
GH 3,0mm	0°	○	40.004/3	40.005/3	40.006/3	
GH 4,0mm	0°	○		40.005/4		
GH 5,0mm	0°	○		40.005/5		
GH 2,0mm	17°	◁	41.704/2	41.705/2		
GH 3,0mm	17°	◁	41.704/3	41.705/3		
GH 4,0mm	17°	◁		41.705/4		
GH 4,0mm	30°	◁		43.005/4		
GH 5,0mm	30°	◁		43.005/5		
GH 5,0mm	30°	◁		43.005/5R		

4.8
MULTI-UNIT PLATFORM

Nobel Brånemark®
External Hex Universal

			NP	RP	WP
			NP/3.5	RP/4.1	WP/5.1
GH 1,0mm	0°	○	40.001/1	40.002/1	40.003/1
GH 2,0mm	0°	○	40.001/2	40.002/2	40.003/2
GH 3,0mm	0°	○	40.001/3	40.002/3	40.003/3
GH 4,0mm	0°	○		40.002/4	
GH 5,0mm	0°	○		40.002/5	
GH 2,0mm	17°	⬡	41.701/2	41.702/2	
GH 3,0mm	17°	⬡	41.701/3	41.702/3	
GH 4,0mm	17°	⬡		41.702/4	
GH 4,0mm	30°	⬡		43.002/4	
GH 5,0mm	30°	⬡		43.002/5	

4.8 6.5
MULTI-UNIT PLATFORM

Straumann® bone level
Conical BL

			NP	RP	NP/RP
			NC/3.3	RC/4.1-4.8	NC/RC
GH 1,5mm	0°	○	40.043/1	40.044/1	
GH 2,5mm	0°	○	40.043/2	40.044/2	
GH 3,5mm	0°	○	40.043/3	40.044/3	
GH 4,5mm	0°	○		40.044/4	
GH 2,5mm	17°	⬡	41.743/2	41.744/2	
GH 3,5mm	17°	⬡	41.743/3	41.744/3	
GH 3,5mm	30°	⬡	43.043/3	43.044/3	
GH 4,5mm	30°	⬡	43.043/4	43.044/4	

4.8
MULTI-UNIT PLATFORM

3i Osseotite®
External Hex USA

			NP	RP	WP
			3.4	4.1	5.0
GH 1,0mm	0°	○	40.009/1	40.017/1	
GH 2,0mm	0°	○	40.009/2	40.017/2	
GH 3,0mm	0°	○	40.009/3	40.017/3	
GH 4,0mm	0°	○		40.017/4	
GH 5,0mm	0°	○		40.017/5	
GH 2,0mm	17°	⬡		41.712/2	
GH 3,0mm	17°	⬡		41.712/3	
GH 4,0mm	17°	⬡		41.712/4	
GH 3,0mm	30°	⬡		43.012/3	
GH 4,0mm	30°	⬡		43.012/4	
GH 4,0mm	30°			43.012/5	

4.8
MULTI-UNIT PLATFORM

Straumann® BLX
Conical BLX

			RB	WB	RB/WB
			3.5	4.5	
GH 1,5mm	0°	○		40.062/1	
GH 2,5mm	0°	○		40.062/2	
GH 3,5mm	0°	○		40.062/3	
GH 2,5mm	17°	⬡		41.762/2	
GH 3,5mm	17°	⬡		41.762/3	
GH 3,5mm	30°	⬡		43.062/3	
GH 4,5mm	30°	⬡		43.062/4	

4.8
MULTI-UNIT PLATFORM

Neodent grand Morse®
Neo GM

			GM
GH 1,5mm	0°	◯	40.035/1
GH 2,5mm	0°	◯	40.035/2
GH 3,5mm	0°	◯	40.035/3
GH 2,5mm	17°	⬡	41.735/2
GH 3,5mm	17°	⬡	41.735/3
GH 3,5mm	30°	⬡	43.035/3
GH 4,5mm	30°	⬡	43.035/4

Astra Tech implant system™ EV
Conic EVO

			EV/3.6	EV/4.2	EV/4.8
			3.6	4.2	4.8
GH 1,5mm	0°	◯	40.027/1	40.036/1	40.037/1
GH 2,5mm	0°	◯	40.027/2	40.036/2	40.037/2
GH 3,5mm	0°	◯	40.027/3	40.036/3	40.036/3
GH 3,5mm	17°	⬡	41.727/3	41.736/3	41.737/3
GH 4,5mm	17°	⬡	41.727/4	41.736/4	41.737/4
GH 4,5mm	30°	⬡	43.027/4	43.036/4	43.037/4
GH 5,5mm	30°	⬡	43.027/5	43.036/5	43.037/5

4.8
MULTI-UNIT PLATFORM

Zimmer Screw-vent®
Internal Hex USA

			NP	RP	WP
			3.5	4.5	5.7
GH 1,0mm	0°	◯	40.019/1	40.020/1	
GH 2,0mm	0°	◯	40.019/2	40.020/2	
GH 3,0mm	0°	◯	40.019/3	40.020/3	
GH 4,0mm	0°	◯	40.019/4		
GH 5,0mm	0°	◯	40.019/5		
GH 2,5mm	17°	⬡	41.719/2	41.720/2	
GH 3,5mm	17°	⬡	41.719/3	41.720/3	
GH 2,5mm	30°	⬡	43.019/3	43.020/3	
GH 3,5mm	30°		43.019/4	43.020/4	

4.8
MULTI-UNIT PLATFORM

Astra Tech Osseospeed™
Internal Hex Conic

			NP	RP	WP
			3.0	3.5-4.0	4.5-5.0
GH 1,5mm	0°	◯		40.024/1	40.025/1
GH 2,5mm	0°	◯		40.024/2	40.025/2
GH 3,5mm	0°	◯		40.024/3	40.025/3
GH 3,5mm	17°	◯		41.724/3	41.725/3
GH 4,5mm	17°	◯		41.724/4	41.725/4
GH 4,5mm	30°	◯		43.024/4	43.025/4
GH 5,5mm	30°	◯		43.024/5	43.025/5

4.8
MULTI-UNIT PLATFORM

Osstem® TS
Conic OSS

			Mini	STD
			Mini	Regular
GH 1,5mm	0°	○	40.072/1	40.073/1
GH 2,5mm	0°	○	40.072/2	40.073/2
GH 3,5mm	0°	○	40.072/3	40.073/3
GH 2,5mm	17°	⬡	41.772/2	41.773/2
GH 3,5mm	17°	⬡	41.772/3	41.773/3
GH 3,5mm	30°	⬡	43.072/3	43.073/3
GH 4,5mm	30°	⬡	43.072/4	43.072/4

4.8
MULTI-UNIT PLATFORM

MIS® Seven
Internal Hex MI

			NP	SP	WP	Multi-unit
			3.3	3.75-4.2	5.0-6.0	4.8
GH 1,0mm	0°	○		40.019/1	40.020/1	
GH 2,0mm	0°	○		40.019/2	40.020/2	
GH 3,0mm	0°	○		40.019/3	40.020/3	
GH 4,0mm	0°	○		40.019/4		
GH 5,0mm	0°	○		40.019/5		
GH 2,5mm	17°	⬡		41.719/2	41.720/2	
GH 3,5mm	17°	⬡		41.719/3	41.720/3	
GH 3,5mm	30°	⬡		43.019/3	43.020/3	
GH 4,5mm	30°	⬡		43.019/4	43.020/4	

4.8
MULTI-UNIT PLATFORM

BioHorizons® internal
Internal Hex BH

			3.0	NP	RP	WP
			3.0	3.5	4.5	5.7
GH 1,0mm	0°	○		40.087/1	40.088/1	
GH 2,0mm	0°	○		40.087/2	40.088/2	
GH 3,0mm	0°	○		40.087/3	40.088/3	
GH 4,0mm	0°	○		40.087/4		
GH 5,0mm	0°	○		40.087/5		
GH 2,5mm	17°	⬡		41.787/2	41.720/2	
GH 3,5mm	17°	⬡		41.787/3	41.720/3	
GH 3,5mm	30°	⬡		43.019/3	43.020/3	
GH 4,5mm	30°	⬡		43.019/4	43.020/4	

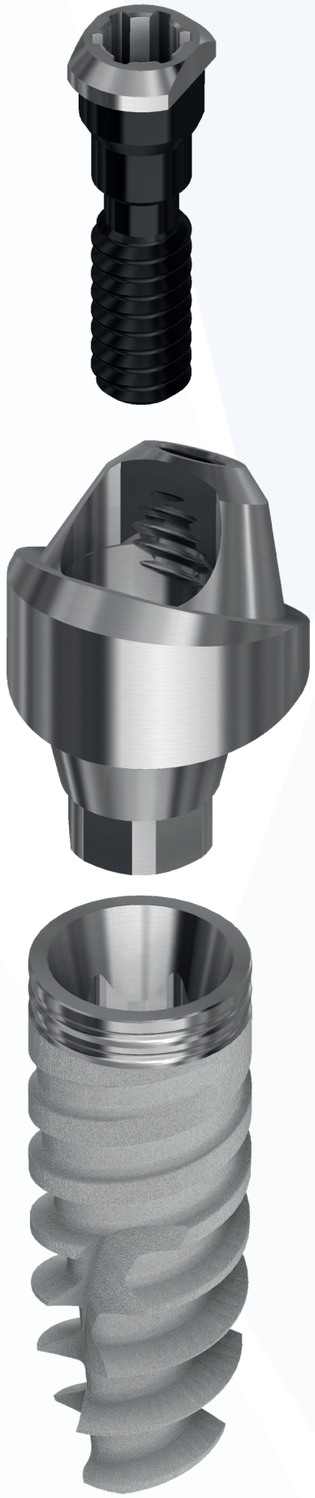
4.8
MULTI-UNIT PLATFORM

Dentium Superline™ & Implantium
Conic Dent

			RP				
			3.6	3.8	4.0	4.5	5.0
GH 1,5mm	0°	○			40.090/1		
GH 2,5mm	0°	○			40.090/2		
GH 3,5mm	0°	○			40.090/3		
GH 2,5mm	17°	⬡			41.790/2		
GH 3,5mm	17°	⬡			41.790/3		
GH 2,5mm	30°	⬡			43.090/2		
GH 3,5mm	17°°	⬡			43.090/3		

DESS® Multi-unit screws recommended torque

	PLATFORM	TORQUE (Ncm)
ACTIVE HEX **NOBELACTIVE® & NOBELREPLACE® CC**	3.5	35
	4.3	35
TRI-LOBE **NOBEL REPLACE SELECT®**	3.5	35
	4.3	35
	5.0	35
EXT HEX UNIVERSAL **NOBELBRÅNEMARK®**	3.5	35
	4.1	35
	5.1	35
EXT HEX USA **3i OSSEOTITE®**	3.4	20
	4.1	20
CONICAL BL **STRAUMANN® BONE LEVEL**	3.3	35
	4.1	35
CONICAL BLX **STRAUMANN® BLX**	4.5	35
	5.7	35
NEO GM **NEODENT GRAND MORSE®**		20
INT HEX USA **ZIMMER SCREW-VENT®**	3.5	30
	4.5	30
CONIC EVO **ASTRA TECH IMPLANT SYSTEM™ EV**	3.6	25
	4.2	25
	4.8	25
INT HEX CONIC **ASTRA TECH OSSEOSPEED™**	3.5 - 4.0	20
	4.5 - 5.0	25
CONIC OSS **OSSTEM® TS / HIOSSEN® ET**	MINI	20
	REGULAR	30
INT HEX BH **BIOHORIZONS® INTERNAL**	3.5	30
	4.5	30
INT HEX MI **MIS® SEVEN**	STANDARD	25
	WIDE	25
CONIC DENT **DENTIUM SUPERLINE™ IMPLANTIUM®**	3.8/ 3.6/ 4.0/ 4.5/ 5.0	30



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DOC-EN-02-MUA