



The Morse Taper is even
more surprising.

Now with a
hexagonal
index

CM

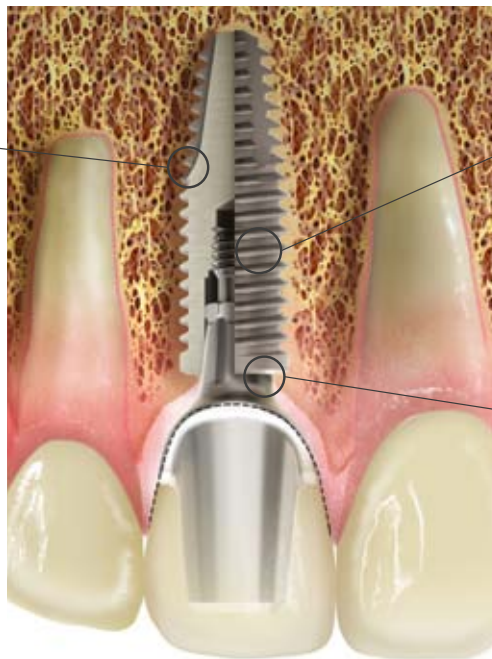
CM IMPLANTS

Those who work thinking in the aesthetic excellence of patient know that the Morse Taper is the best option. Its impermeable fitting promotes bacterial sealing, ensuring the health of the peri-implant tissue. The Neodent Morse Taper Line was developed through intense scientific

research, to provide high mechanical resistance and reduce problems as the screws loosening. Know more and surprise yourself. Being Cone Morse is not enough; it is necessary precision.

NEOPOROS SURFACE

- ▶ Promotes adhesion, differentiation, and cell multiplication. Its biological results show that the BIC is compatible with the most renowned international brands.



RESISTANCE

- ▶ The CM implants with reduced diameter ($\varnothing 3.5$ mm) present mechanical resistance similar to external hexagonal implants of $\varnothing 3.75$ mm. (Dietrich, L. 2008).

GAP

- ▶ The conicity of prosthetic interface enables a fixation that reduces the GAP and results in a decrease of biofilm inside the implant, stabilizing the peri-implant tissue.

Benefits of the CM System:

- ▶ The first system in Brazil with Morse Taper interface;
- ▶ The CM angle and the internal thickness of the implant enable that the screw design reaches the cervical portion of the implant;
- ▶ High mechanical resistance comparable to external hexagonal implant with regular platform (Dietrich, L. Master's Degree dissertation defended at the UFU in 2008);
- ▶ Simplified installation with Internal Torque technology.



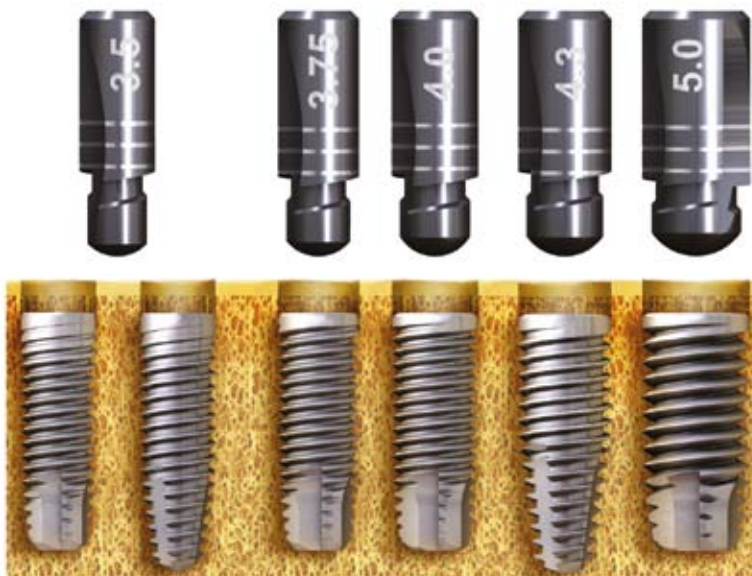
Facility

Single prosthetic interface, independent of the diameter and design of the implant.



CM implants
now with
Prosthetic Index.

Unique Design



The pilot drills have the same diameter as the implant, minimizing bone removal, and being indicated for bones type I and II.

The Bioengineering of the Neodent Morse Taper implants offers a wide range of choices to attend the most different planning, offering safety of stability in different bone densities.

LINE *CM* EXACT

For prosthetic indexation, a whole new line of abutments was also created in addition to the prosthetic indexed implants: The EXACT line. These abutments have a hexagon at the end of the cone which allows the prosthesis installation over the implant.

The CM implants with prosthetic index remain compatible with all items of regular CM prosthetic components that you already know, however the Exact Line only works with indexed CM implants.



Now, the installation is performed with Internal Torque technology, ie, the mounting system was replaced by keys with hexagonal fitting, which enables the CM implant capture directly in the packaging, offering more safety and speed during installation and torque application.

The positioning of the implant for the prosthesis indexation is ensured by six "points" that indicate the vestibular face.



**Simplified
Installation**



CM Exact Universal Post

		0.8 mm	1.5 mm	2.5 mm	3.5 mm	4.5 mm	5.5 mm	6.5 mm
4.0 mm	Ø3.3	114.408	114.360	114.361	114.362	114.363	114.364	114.365
	Ø4.5	114.409	114.357	114.358	114.359	114.372	114.373	114.374
6.0 mm	Ø3.3	114.410	114.366	114.367	114.368	114.369	114.370	114.371
	Ø4.5	114.411	114.340	114.341	114.342	114.375	114.376	114.377

Besides the unique CM interface for all implant diameters, now the CM implants have another family of prosthetic components, the EXACT Line.

They have a hexagon that enables the prosthesis positioning, making the Morse Taper line even more versatile.

CM Exact Angled Universal Post

			1.5 mm	2.5 mm	3.5 mm
17°	4.0 mm	Ø3.3	114.384	114.385	114.386
		Ø4.5	114.390	114.391	114.392
	6.0 mm	Ø3.3	114.387	114.388	114.389
		Ø4.5	114.393	114.394	114.395
30°	4.0 mm	Ø3.3	114.396	114.397	114.398
		Ø4.5	114.402	114.403	114.404
	6.0 mm	Ø3.3	114.399	114.400	114.401
		Ø4.5	114.405	114.406	114.407



CM Implant Analogue

101.05 8



Exact Transfer for CM implant

108.076
108.069

Drivers:

105.073 – CM Short Connection to Ratchet
105.074 – CM Long Connection to Ratchet
105.075 – CM Connection for a Contra-Angle

CM implants now with Prosthetic Index.



CONE MORSE
TITAMAX *Ex*

	9.0 mm	11.0 mm	13.0 mm	15.0 mm	17.0 mm	19.0 mm
Ø3.5	109.661	109.662	109.663	109.664	109.665	
Ø3.75	109.666	109.667	109.668	109.669	109.670	109.671
Ø4.0	109.636	109.637	109.638	109.639	109.640	109.641



TITAMAX *CM*
MEDULAR

	9.0 mm	11.0 mm	13.0 mm	15.0 mm	17.0 mm
Ø3.75	109.672	109.673	109.674	109.675	109.676
Ø4.0	109.677	109.678	109.679	109.680	109.681



ALVIM *CM*

	8.0 mm	10.0 mm	11.5 mm	13.0 mm	16.0 mm
Ø3.5	109.657	109.658	109.659	109.621	109.660
Ø4.3	109.647	109.648	109.649	109.622	109.6651
Ø5.0	109.652	109.653	109.654	109.655	109.656



TITAMAX *CM*
CORTICAL

	7.0 mm	8.0 mm	9.0 mm	11.0 mm	13.0 mm	15.0 mm	17.0 mm
Ø3.5	109.613	109.614	109.615	109.616	109.617	109.618	109.619
Ø3.75	109.606	109.607	109.608	109.609	109.610	109.611	109.612
Ø4.0	109.630	109.631	109.632	109.633	109.620	109.634	109.635
Ø5.0	109.642	109.643	109.644	109.645	109.646		

According to the international dental scientific literature the junction abutment / Morse taper implant provides:

- ▶ Reduction in prosthetic complications (Mangano, C. et al. Eur J Oral Implantol 2008; Mangano, C. et al. Clin Oral Implants Res 2009).
- ▶ Platform favoring the maintenance and stability of peri-implant tissues (Degidi, M. et al. Titanium 2009).
- ▶ Reduced marginal bone loss (Weng, D. et al. Clin Oral Implants Res 2008) Degidi, M. et al. Titanium 2009.
- ▶ Greater resistance to the loosening of screws (Bozkaya, D. Müftü, S. Journal of Biomechanics 2005).
- ▶ Optimized performance for immediate loading, including units with better cosmetic results (Abboud, M. et al. Int J Oral Maxillofac Implants 2005).
- ▶ Less rotational micro-movements than external hexagon implants (Bozkaya, D.; Müftü, S. Journal of Biomechanics 2005).
- ▶ Provides a positive impact on papilla formation and bone remodeling, even at distances of 2 mm between implants (Novaes Jr, A.B. et al. Journal Oral Implant 2009).