

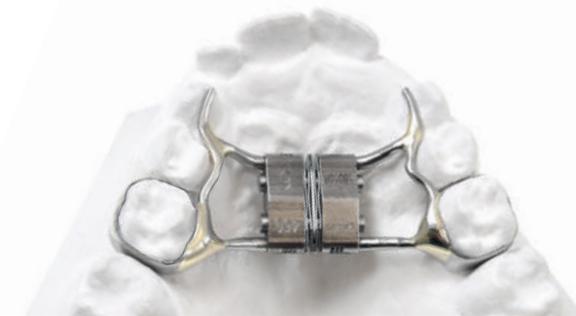
DESIGNED TO SIMPLIFY AND OPTIMIZE TREATMENT MANAGEMENT
BY REDUCING CHAIR TIME AND APPOINTMENT FREQUENCY

MEMORIA®
LEAF SPRING ACTIVATED
EXPANDER



LEAF EXPANDER®

MEMORIA®
LEAF SELF-ACTIVATED
EXPANDER



LEAF EXPANDER®
self



THE IDEAL PARTNER
FOR YOUR
DAILY PRACTICE



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orthodontic products in USA



PATENTED

LEAF EXPANDER

SERIES

EXPANSION
WITHOUT
HASSLE

COMPLETE CONTROL OF THE MAXILLARY EXPANSION THANKS TO THE PREDETERMINED, CALIBRATED AND CONSTANT FORCES RELEASED BY THE MEMORIA® LEAF SPRINGS

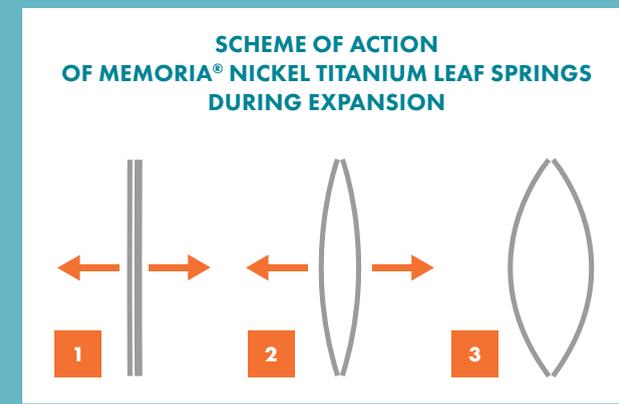
These devices are an evolution of the previous spring-loaded expanders designed with the technical-scientific collaboration of Dr. Claudio Lanteri and Mr. Filippo Francolini, * featuring the same design as a rapid expander with the addition of Nickel Titanium **MEMORIA®** LEAF springs. The biomechanical action of these expanders is based on the super elastic properties of the Nickel Titanium springs releasing controlled and continuous forces.

COMPLIANCE FREE: NO HOME ACTIVATION REQUIRED

Thanks to the unique characteristics of these expanders, daily home re-activation of the expander is not necessary. Leaf Expander re-activation is performed by a clinician according to suggested protocol, while the Leaf Self-activated Expander model does not require re-activation either at home or by a clinician.

SELECT THE CORRECT EXPANDER ACCORDING TO THE MAXILLARY DEFICIENCY

Available 2 force levels and 2 different expansion values for each model, depending on the patient's teeth/age and correction of the transverse discrepancy.



*** DOCUMENTS FOR CLINICAL EVIDENCE**

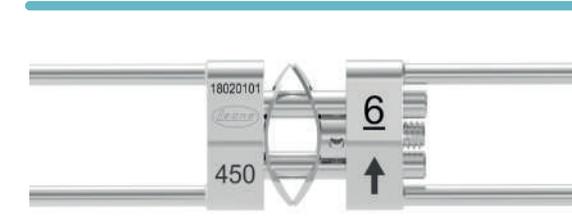
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Manzella, K.; Franchi, L.; Al-Jewair, T.; (2018). "Correction of Maxillary Transverse Deficiency in Growing Patients with Permanent Dentitions". The Journal of Clinical Orthodontics, Vol. 51.3.

Lanteri, C.; Lanteri, V.; et al (2017). "New Horizons of Maxillary Expansion in Interceptive Orthodontics". Bollettino di Informazioni Leone, Vol. 100. Translated from Italian.

Lanteri, V. ; Gianolio, A.; Gualandi, G.; Beretta, M.; (2018). "Maxillary tridimensional changes after slow expansion with Leaf expander in a sample of growing patients: a pilot study". European Journal of Pediatric Dentistry, Vol. 19/1.

MEMORIA® LEAF SPRING ACTIVATED EXPANDER



VALIDATED ACTIVATION PROTOCOL

FOLLOW-UP VISITS REDUCED BY 50% (WITH RESPECT TO CONVENTIONAL RPE)

EXPANDER ACTIVATION GUIDELINES

LEAF model	LEAF expander cementation	FIRST phase	SECOND phase	THIRD phase
6 mm A2703-06 - A2704-06	spring activation - 0 turns	after 6 weeks 10 turns	after 4 weeks 10 turns	after 4 weeks 10 turns
9 mm A2703-09 - A2704-09	spring activation - 0 turns	after 8 weeks 15 turns	after 6 weeks 15 turns	after 6 weeks 15 turns

LEAF EXPANDER®



Courtesy of Dr. V. Lanteri

MEMORIA® LEAF SELF-ACTIVATED EXPANDER



NO COMPLIANCE OR OPERATOR DEPENDENCY

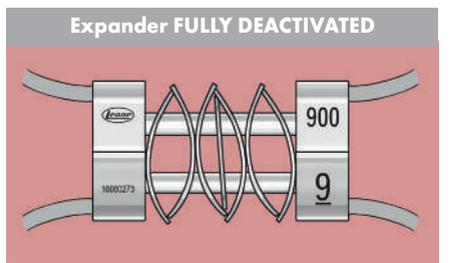
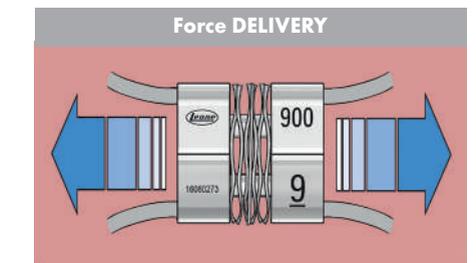
NO RISK OF OVERTREATMENT

LEAF EXPANDER®



Courtesy of Dr. M. Beretta

FUNCTION SCHEME OF THE EXPANDER



For further information: visit our website www.leoneamerica.com