TransForce®2

Arch Developer Appliances
Clinical Cases

New Horizons In Orthodontics

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Organizers
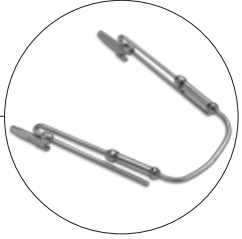
New Horizons In Orthodontics
Transverse and Sagittal Arch Development

Dr. William Clark has 50 years experience in orthodontic practice and continues to develop innovative appliances in orthodontic and orthopaedic techniques. He developed Twin Blocks in 1977 and is the author of *"Twin Block Functional Therapy: Applications in Dentofacial Orthopaedics"*, published by Mosby (1995 and, 2002).

Dr. Clark is the first recipient of an award of distinction from the British Orthodontic Society for an outstanding contribution to the specialty of orthodontics. In 2008, he received an award from the International Functional Association for outstanding personal international service to functionalism and orthodontics. In 2010, he completed a thesis on *"New Horizons in Orthodontics & Dentofacial Orthopaedics"* for a D.D.Sc. Degree from the University of Dundee.

William J. Clark

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Transverse Arch Developer

Sagittal Arch Developer

TransForce^2 Lingual Appliances

The case studies found on the following pages were performed by Dr. Clark. They illustrate the potential of preformed invisible lingual appliances for sagittal and transverse arch development. Light, biological forces generated by enclosed nickel titanium springs achieve an excellent response from patients of all ages, from interceptive treatment in mixed dentition to adult therapy.

TransForce^2 Lingual Appliances integrate with all types of conventional fixed appliances at any stage to simplify treatment. This approach is affordable and efficient, and typically reduces the time required in a fixed appliance by 50%. This is a very important factor, especially in adult therapy. In many cases alignment and arch form can be improved to a stage where invisible finishing appliances may be used to detail the occlusion.

TransForce^2 Appliances are constructed to the highest engineering standards by *Ortho Orgnizers*®, advancing the future of orthodontics. They do not cover the palate and are comfortable to wear, so patients of all ages appreciate the advantages of *TransForce^2* Appliances.

Ease of Insertion
Placement blades are designed to insert easily into molar bands with standard .036" x .072" lingual sheaths

Aesthetic Appearance
Lingual placement for a virtually invisible appearance

Size Identification
Color-coded for easy identification

Optimum Patient Comfort
Nitanium® Coil Springs enclosed in expansion modules provide slow continuous force

No Laboratory Work Required
Select and order appliance by desired finish size

Less Inventory
Universal sizes for upper or lower arches – no need to carry separate inventory

Zero Patient Compliance
Appliance allows for up to 2 mm expansion every 6-8 weeks with minimum maintenance

Blades
For ease of insertion

Expansion Modules
Slow continuous force

Color-Code
Easy size identification
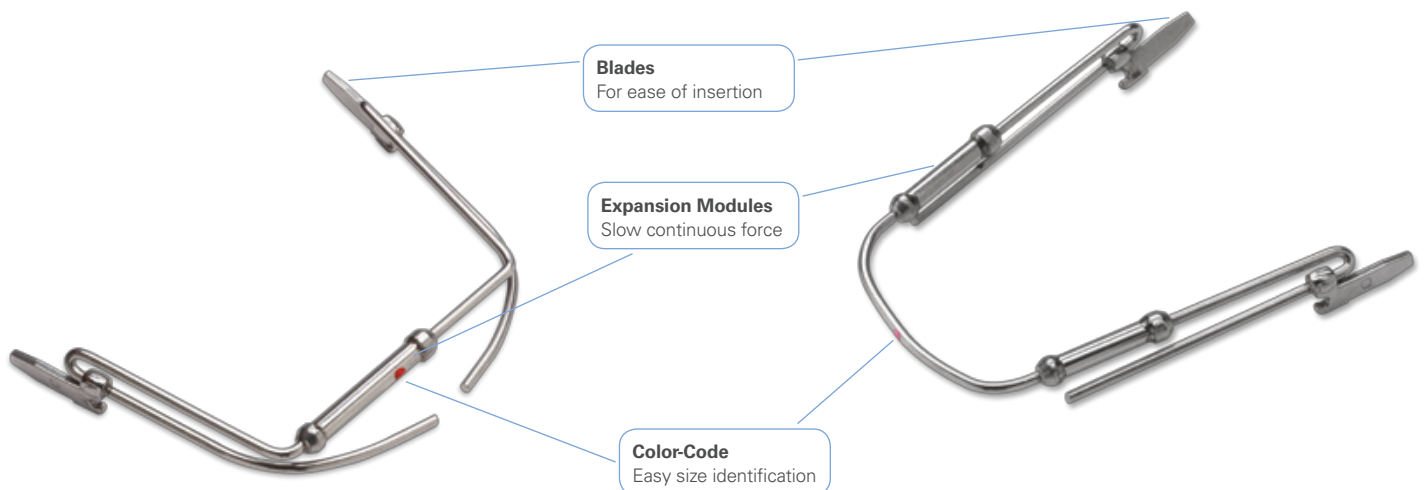
ARCH DEVELOPER APPLIANCES

ITEM	DESCRIPTION

TransForce² Transverse Arch Developer

The Transverse Appliance has an expansion module to increase the inter-canine width (expands at the cuspids) and may be used in the upper or lower arch when expansion is required to accommodate crowding in the labial segments, or to correct arch width in constricted arches.

CATALOG NUMBER	COLOR-CODE	TRANSVERSE SIZE: INTER-CANINE FULLY EXTENDED	TRANSVERSE SIZE: INTER-CANINE FULLY COMPRESSED	MAXIMUM AMOUNT OF EXPANSION
424-500		Transverse Kit		
424-526	Red	26 mm	18 mm	8 mm
424-528	Green	28 mm	20 mm	8 mm
424-530	Purple	30 mm	22 mm	8 mm
424-532	Pink	32 mm	24 mm	8 mm

Transverse Arch Development Planner 424-500T

TransForce² Sagittal Arch Developer

The Sagittal Appliance is specifically designed for anterior arch development (creates space by advancing the 3x3 labially) and is often indicated for simultaneous use in both arches. The appliance operates on the slide principle and may be used unilaterally or bilaterally to extend arch length.

CATALOG NUMBER	COLOR-CODE	SAGITTAL SIZE: ANTERIOR-POSTERIOR FULLY EXPANDED	SAGITTAL SIZE: ANTERIOR-POSTERIOR FULLY COMPRESSED	MAXIMUM AMOUNT OF EXPANSION
424-700		Sagittal Kit		
424-728	Green	28 mm	24 mm	4 mm
424-730	Purple	30 mm	26 mm	4 mm
424-732	Pink	32 mm	28 mm	4 mm
424-734	Blue	34 mm	30 mm	4 mm
424-736	Black	36 mm	30 mm	6 mm
424-738	Yellow	38 mm	32 mm	6 mm
424-740	White	40 mm	34 mm	6 mm

Sagittal Arch Development Planner 424-700T

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To email an order: USASales@OrthoOrganizers.com
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