**THE Mini-Screw System for Your Practice**

“Lack of equilibrium is most likely the cause of the majority of adverse effects seen in orthodontics. Forces delivered by any orthodontic appliance are equal and opposite to the active and the reactive unit... Overcoming this obstacle is clearly the most valuable contribution that skeletal anchorage offers orthodontics.”

- Prof. Birte Melsen, Keynote Address
  The Thirty-Fourth Moyers Symposium, 2007

**Twist Drills**
- 68.92.91 Twist Drill 0.9 x 4 x 22mm
- 68.92.90 Twist Drill 0.9 x 4 x 28mm

**Screwdriver Handle Options**
- 75.23.78A & 75.23.50
- 907.50.07 Screwdriver Blade
- 75.23.91 Extended Screwdriver Blade
- 907.50.08 Extended Screw Release Sleeve
- 907.50.07 Screw Release Sleeve

**Sterilization Tray**
- 68.77.78

**Force Gauge**
- 0-250g in 10g increments 001-502

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The name behind The Aarhus System is one of the most recognized in orthodontics today. Dr. Birte Melsen has held the title of Professor and Chairman of the Department of Orthodontics at the Royal College, Aarhus, Denmark since 1975—a tenure of over 40 years. She is the author of more than 300 published scientific articles covering a broad range of topics, holds countless honors for her contributions to orthodontics, and is recognized by her peers as a premier researcher and academic.

Dr. Melsen's interest and work in Skeletal Anchorage began in the 1970's with Jens Kølsen Pedersen. In 1996, after more than 20 years of investigation, the Aarhus Mini-Implant System was introduced. Today we see the culmination of Dr. Birte Melsen’s continuing research, development, and over 45 years of dedication to this field.

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*All Mini-screws packaged in five-pack magazines

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Dr. Birte Melsen

[Photo of Dr. Birte Melsen]
The Aarhus System Key Features and Benefits

Ti6AL4V Surgical Grade Titanium Alloy that is biocompatible, high strength and corrosion resistant.

The Aarhus System Driver

Unique to the Aarhus System, the driver tip incorporates a threaded locking-sleeve for engaging and pick-up of screws. By simply advancing the sleeve to the end of the driver tip, screws are securely captured and removed from their cassette. Once secured, screws can then be carried to the placement site and driven without worry of "screw wobble" which is a common cause failure to achieve primary stability.

Equally important, the Aarhus driver tip releases screws smoothly and easily after placement. This feature minimizes any disruption of the bone/thread interface when disengaging the screw from the driver tip.

Driver tips and sleeves are available in two lengths: 1. A Standard length for most routine placements. 2. An Extended length (40% longer than Standard length) for greater access to difficult to reach regions of the mouth, especially the palate.

A wider collar provides a positive stop during placement

A sharp tip and self-drilling cutting thread minimizes the need for pilot holes

6mm and 8mm thread lengths, for adaptation in different bone densities

1.5mm thread diameter = an optimal diameter to strength ratio

Bracket Head Screws are slotted to be used as an unconventional bracket and accept sequential wires, hooks, lever arms, etc., up to .030in diameter.

Through Hole Head Screws accept wires, hooks, lever arms, etc., up to .025mm diameter. 200 Torque.

The Aarhus System Mini-Implant Screws

Pairing premium materials with optimal sizing, Aarhus micromicros yield a perfect balance of strength and working diameter for maximum clinical application. The material, Ti6AL4V, is a high strength titanium alloy noted for its biocompatibility and corrosion resistance.

A 1.5mm thread diameter provides strength without sacrificing strength.

All standard screws (1.5mm) in the system are available in either 6mm or 8mm thread lengths. In addition, one can select from four soft tissue collar lengths for Buccal or Lingual applications.

Whatever biomechanics are required, Aarhus has a screw head design to meet all of your skeletal anchorage needs:

* Additional diameter (1.3mm and 2.0mm) and thread length screws are available for application in special circumstances.

The Aarhus System Sterilization Tray

The Aarhus System Sterilization Tray features a compact, light-weight, and roomy design for efficient chairside delivery. The sliding cover plate locks to hold instruments securely in place and is fully vented for superior steam circulation and drainage. Built-in screw cassette slots and multiple wells have been strategically located to accommodate all instruments. The handles are designed for a comfortable, ergonomic grip, ensuring years of trouble-free service.

The Aarhus System Magazine

Aarhus screw magazines contain five screws of a single type:

- Control Storage
- Secure, Safe-Handling
- Magnetic
- Inventory Control
- Instant Identification
- Practice Organization
- Autoclavable
- Direct Screw Pickup
- Color Identifies Diameter
- Convenient Office to Office Transport

Aarhus screw magazines contain five screws of a single type:

- Apical
- Direct Screw Pickup
- Color Identifies Diameter
- Convenient Office to Office Transport

Magazine Packs are made up of 3 Autoclavable Components

1. Sliding Cover
2. Colored Screw Cassette
3. Base Screw Head Image