



Anchorage system.
innovative – comprehensive – efficient.



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The complete system for all indications.

The concept.

The tomas® system has been one of the leading skeletal anchorage systems for many years. Users value its easy handling and high reliability. By integrating the new tomas®-pin EP and a selection of abutments for direct and indirect coupling, the system can be used in the buccal and the palatal region. Be it distalization, mesialization, intrusion, palatal expansion or indirect anchorage: tomas® has something to offer both the beginner and the professional in skeletal anchorage systems.



Indications.

The tomas®-pin SD and the tomas®-pin EP are used to provide temporary orthodontic anchorage for the following treatment examples:

- Distalization and mesialization of teeth.
- Uprighting of molars.
- Intrusion of teeth.
- Space closure in class-I-occlusion.
- Sliding mechanics in class II.
- Preventing the protrusion of incisors.
- Palatal expansion.
- Oligodontia.
- Changing the tooth position as part of preprosthetic treatment.
- Anchoring temporary crowns.

The advantages.

- Quick and easy to fit.
- Coordinated accessories.
- Effective around the clock – day and night.
- No patient cooperation required.
- Perfect biomechanics.



Sets



tomas®-tool set XL

The tomas®-tool set XL contains all instruments for manual and mechanical insertion of tomas®-pins.

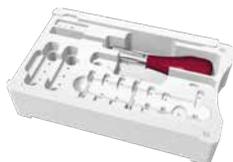
REF 302-151-00

1 set

CE 0483

Contents:

1 x tomas®-drill SD 1.1, short pilot drill	REF 302-103-00
1 x tomas®-driver, long version	REF 302-004-60
1 x tomas®-driver	REF 302-004-50
1 x tomas®-applicator	REF 302-004-20
1 x tomas®-wheel, ø 10 mm	REF 302-004-30
1 x tomas®-applicator, long version, TAD	REF 302-004-70
1 x tomas®-torque ratchet	REF 302-004-40
1 x tomas®-screwdriver	REF 302-004-10
1 x tomas®-tool tray	REF 302-156-00



tomas®-tool set S

The tomas®-tool set S contains the instruments required to insert a tomas®-pin.

REF 302-251-00

1 set

CE 0483

Contents:

1 x tomas®-drill SD 1.1, short pilot drill	REF 302-103-00
1 x tomas®-driver, long version	REF 302-004-60
1 x tomas®-screwdriver	REF 302-004-10
1 x tomas®-tool tray	REF 302-156-00

tomas®-pin SD

self-drilling

sterile

Titanium grade: 5

Thread \varnothing : 1.6 mm

Core \varnothing : 1.2 mm

Head type: cross-slot

Length	Color coded packaging	REF	Quantity
6 mm	yellow	302-106-00	1 piece
8 mm	blue	302-108-00	1 piece
10 mm	green	302-110-00	1 piece

CE 0483



tomas®-pin EP

self-drilling

sterile

Titanium grade: 5

Thread \varnothing : 1.6 mm

Core \varnothing : 1.2 mm

Head type: mushroom-shaped

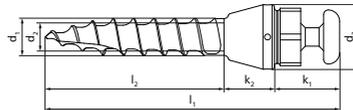
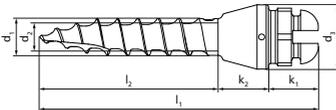
Length	Color coded packaging	REF	Quantity
6 mm	white	302-206-00	1 piece
8 mm	grey	302-208-00	1 piece
10 mm	black	302-210-00	1 piece

CE 0483



ISO 19023

	SD / SD N	EP / EP N
d_1	1.6 mm	1.6 mm
d_2	1.2 mm	1.2 mm
d_3	2.8 mm	2.8 mm
k_1	2.2 mm	2.9 mm
k_2	2.0 mm	2.0 mm
l_1	10.2 / 12.2 / 14.2 mm	10.9 / 12.9 / 14.9 mm
l_2	6.0 / 8.0 / 10.0 mm	6.0 / 8.0 / 10.0 mm



Pins, non-sterile



tomas®-pin SD N

self-drilling
non-sterile
sterilizable

Titanium grade: 5

Thread \varnothing : 1.6 mm

Core \varnothing : 1.2 mm

Head type: cross-slot

Length	REF	Quantity	REF	Quantity
6 mm	302-106-10	1 piece	302-106-30	10 pieces
8 mm	302-108-10	1 piece	302-108-30	10 pieces
10 mm	302-110-10	1 piece	302-110-30	10 pieces

CE⁰⁴⁸³



tomas®-pin EP N

self-drilling
non-sterile
sterilizable

Titanium grade: 5

Thread \varnothing : 1.6 mm

Core \varnothing : 1.2 mm

Head type: mushroom-shaped

Length	REF	Quantity	REF	Quantity
6 mm	302-206-10	1 piece	302-206-30	10 pieces
8 mm	302-208-10	1 piece	302-208-30	10 pieces
10 mm	302-210-10	1 piece	302-210-30	10 pieces

CE⁰⁴⁸³

tomas®-drill SD 1.1, short pilot drill**sterilizable**

The drilling must be undertaken at 800 min⁻¹ (max. 1500 min⁻¹) with a sterile, cooled physiological saline solution (5 °C/41 °F).

For perforating the compact bone (≥ 2.5 mm) when using self-drilling tomas®-pins.



Length	ø	Color coded packaging	REF	Quantity
4 mm	1.1 mm	yellow	302-103-00	1 piece

CE 0483

tomas®-punch

(gingiva remover)

Sterile remover for single use.

For perforating the mucosa at the area of insertion for the tomas®-pins.

ø: 2.0 mm

REF 302-001-00	4 pieces
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CE 0297

**tomas®-applicator****sterilizable**

(manual screwing aid)

For manual tomas®-pin insertion.

Length: 18 mm

REF 302-004-20	1 piece
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CE

**tomas®-applicator****sterilizable**

(manual screwing aid)

Long version.

For manual tomas®-pin insertion.

Ideal for palatal insertion of tomas®-pins.

Length: 28 mm

REF 302-004-70	1 piece
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CE

**tomas®-wheel****sterilizable**

(nut)

For manual insertion of the tomas®-pin in combination with the tomas®-applicator (REF 302-004-20 / 302-004-70).

ø: 10.0 mm

REF 302-004-30	1 piece
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CE



Anchorage system

Instruments and accessories



tomas®-torque ratchet sterilizable

For manual insertion of the tomas®-pin in combination with the tomas®-applicator (REF 302-004-20 / 302-004-70); torque should be limited to 20 Ncm.

REF 302-004-40	1 piece
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tomas®-driver sterilizable

(mechanical screwing aid)
For mechanical insertion of the tomas®-pin with the aid of a lockable torque instrument. The setting should be limited to 20 Ncm and 25 min⁻¹.
Length: 22 mm

REF 302-004-50	1 piece
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tomas®-driver sterilizable

(mechanical screwing aid)
Long version.
For mechanical insertion of the tomas®-pin with the aid of a lockable torque instrument. The setting should be limited to 20 Ncm and 25 min⁻¹. Ideal for palatal insertion of tomas®-pins.
Length: 26 mm

REF 302-004-60	1 piece
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tomas®-handpiece sterilizable

(manually turned unit)
Manually turned unit with adjustable torque from 0-50 Ncm. For connection to a contra-angled handpiece as an alternative to surgical power tools or electrical tools.

REF 302-004-80	1 piece
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tomas®-screwdriver sterilizable

For manual insertion of the tomas®-pins.
Contains tomas®-screwdriver key 1.3 (REF 302-004-16) and tomas®-screwdriver key 3.0 (REF 302-004-14).

REF 302-004-10	1 piece
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tomas®-tool tray sterilizable

For storage of tomas®-components.

REF 302-156-00	1 piece
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tomas®-abutment kit

(accessories for coupling elements)

The tomas®-abutment kit contains abutments for the tomas®-pin SD and the tomas®-pin EP. For skeletal anchorage of appliances for mesialization, distalization and intrusion of teeth and for maxillary expansion. Appliances can be made in the dental practice or in a laboratory.

REF 302-050-00	1 set
CE 0483	
Contents:	
6 x tomas®-abutment universal	REF 302-025-00
6 x tomas®-abutment tube 1.1	REF 302-025-11
2 x tomas®-abutment tube 1.5	REF 302-025-15
2 x tomas®-abutment tube square 22	REF 302-025-22
2 x tomas®-abutment wire 6	REF 302-025-06
4 x tomas®-abutment wire 12	REF 302-025-12
2 x tomas®-abutment plain	REF 302-026-00
2 x tomas®-abutment EP	REF 302-027-00
50 x tomas®-transfer cap	REF 302-028-01
10 x tomas®-laboratory pin EP	REF 302-029-01
10 x tomas®-laboratory pin SD	REF 302-030-01



tomas®-abutment universal

(coupling element)

Indirect coupling between tomas®-pin and conventional multi-bracket systems over one or more teeth. Direct coupling to skeletally-anchored appliances. Temporary fixation of wires with 1.1 mm Ø by means of snap effect (only in connection with tomas®-pin SD!).

REF 302-025-00	2 pieces
CE 0483	



tomas®-abutment tube 1.1

(coupling element with tube)

Abutment with rotatable tube for direct coupling between tomas®-pin and various appliances, e.g. for bi- or unilateral mesialization, distalization, intrusion etc. The tomas®-abutment wire 6 (REF 302-025-06) and tomas®-abutment wire 12 (REF 302-025-12) can be used in addition.

Inner ø tube	Width tube	REF	Quantity
1.15 mm / 45	3.0 mm	302-025-11	1 piece

CE 0483



tomas®-abutment tube 1.5

(coupling element with tube)

Abutment with rotatable tube for direct coupling between the tomas®-pin with hyrax® click or hyrax®. Can be used for Hybrid RPE appliance or skeletal RPE appliance.

Inner ø tube	Width tube	REF	Quantity
1.55 mm / 61	3.0 mm	302-025-15	1 piece

CE 0483



Anchorage system

Instruments and accessories



tomas®-abutment tube square 22

(coupling element with tube)

Abutment with rotatable square tube for direct coupling between the tomas®-pin and various appliances, e.g. for intrusion etc.

Inner \square tube	Width tube	REF	Quantity
0.56 x 0.70 mm / 22 x 28	4.0 mm	302-025-22	1 piece

CE 0483



tomas®-abutment double tube 1.5

Concept by Dr. Sohani

(coupling element with 2 tubes)

Abutment with rotatable tube for direct coupling between tomas®-pin and various appliances, e.g. for bi- or unilateral mesialization, distalization, intrusion etc.

The tomas®-abutment U-wire (REF 302-025-21) can be used in addition.

These two abutments are also available as tomas®-abutments median (REF 302-025-51) as a pair.

Inner \circ tube	Width tube	REF	Quantity
1.55 mm / 61	2 x 3.0 mm	302-025-30	1 piece

CE 0483

NEW



tomas®-abutment U-wire

(coupling element with wire)

Abutment with rotatable bilateral wire for direct coupling between the tomas®-pin and various appliances, e.g. for bi- or unilateral mesialization, distalization etc.

The tomas®-abutment double tube 1.5 (REF 302-025-30) can be used in addition.

These two abutments are also available as tomas®-abutments median (REF 302-025-51) as a pair.

Wire \circ	Wire length	REF	Quantity
1.10 mm / 43	2 x 80 mm	302-025-21	1 piece

CE 0483

NEW



tomas®-abutments median

Combination of tomas®-abutment U-wire (REF 302-025-21) and tomas®-abutment double tube 1.5 (REF 302-025-30). Combination is intended for two tomas®-pins which are placed sagittally to the mid-palatal suture. The distance between the tomas®-pins must be at least 6 mm.

Inner \circ tube	Width tube	Wire \circ	Wire length	REF	Quantity
1.55 mm / 61	2 x 3.0 mm	1.10 mm / 43	2 x 80 mm	302-025-51	1 pair

CE 0483

NEW



tomas®-abutment wire 6

(coupling element with wire)

Abutment with rotatable unilateral wire for direct coupling between the tomas®-pin and various appliances, e.g. for bi- or unilateral mesialization, distalization etc. The tomas®-abutment tube 1.1 (REF 302-025-11) can be used in addition.

Wire \circ	Wire length	REF	Quantity
1.10 mm / 43	60 mm	302-025-06	1 piece

CE 0483

tomas®-abutment wire 12

(coupling element with wire)

Abutment with rotatable unilateral wire for direct coupling between the tomas®-pin and various appliances, e.g. for bi- or unilateral mesialization, distalization etc. The tomas®-abutment tube 1.1 (REF 302-025-11) can be used in addition.

Wire ø	Wire length	REF	Quantity
1.10 mm / 43	120 mm	302-025-12	1 piece

CE 0483



tomas®-abutment plain

(coupling element)

For welding individual elements and for anchoring temporary crowns.

REF 302-026-00	1 piece
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CE 0483



tomas®-abutment EP

(coupling element)

Direct coupling between the tomas®-pin EP and distalization appliances.

Inner ø tube	Width tube	Inner ø eyelet	Thickness eyelet	REF	Quantity
1.05 mm / 41	2.0 mm	2.4 mm / 94	0.8 mm	302-027-00	2 pieces

CE 0483



tomas®-transfer cap

Transfer of oral status to a dental cast.

REF 302-028-01	2 pieces
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CE

NEW



tomas®-laboratory pin EP

Laboratory analog for the tomas®-pin EP for manufacture of orthodontic appliances with skeletal anchorage in a laboratory.

REF 302-029-01	1 piece
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NEW



tomas®-laboratory pin SD

Laboratory analog for the tomas®-pin SD for manufacture of orthodontic appliances with skeletal anchorage in a laboratory.

REF 302-030-01	1 piece
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NEW



Anchorage system

Instruments and accessories



tomas®-auxiliary kit

(set of accessories)

The tomas®-auxiliary kit contains accessories for mesializing, distalizing and uprighting of teeth in connection with the tomas®-pin.

REF 302-001-20	1 set
Contents:	
10 x tomas®-coil spring, light (8 mm)	REF 302-012-00
10 x tomas®-coil spring, medium (8 mm)	REF 302-012-10
10 x tomas®-coil spring, heavy (8 mm)	REF 302-012-20
10 x tomas®-uprighting spring	REF 302-009-00
1 x tomas®-compression spring	REF 302-022-00
10 x tomas®-stop screw	REF 302-013-01
1 x Hexagon socket key 0.9	REF 607-129-00
10 x tomas®-T-wire	REF 302-024-00
10 x tomas®-power arm, square	REF 302-015-00
10 x tomas®-power arm, round	REF 302-019-00
10 x tomas®-crimp hook, Upper left/Lower right	REF 302-020-00
10 x tomas®-crimp hook, Upper right/Lower left	REF 302-020-10
10 x tomas®-aligner hook, Upper left/Lower right	REF 302-021-00
10 x tomas®-aligner hook, Upper right/Lower left	REF 302-021-10



tomas®-coil spring

Nickel titanium tension springs with eyelets for linking to the tomas®-pin and hooks.

Length: 8 mm (measured from the center of the two eyelets)

Inner ø: 0.90 mm / 36

Strength category: super elastic

Pulling force	Wire strength ø	Color coded packaging	REF	Quantity
light	0.21 mm / 8	blue	302-012-00	10 pieces
medium	0.23 mm / 9	yellow	302-012-10	10 pieces
heavy	0.23 mm / 9	red	302-012-20	10 pieces

CE 0483



tomas®-power chain

(plastic chain)

Constant tension with longer effectiveness. High elasticity with very good resiliency.

Color	Inner ø	Length	Connector	REF	Quantity
transparent	1.3 mm	3.5 m	•	302-018-00	1 piece

CE 0483



tomas®-uprighting spring

For uprighting and simultaneous intrusion or extrusion of molars.

REF 302-009-00	10 pieces
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CE 0483

tomas®-compression spring

(nickel titanium compression spring)

These compression springs offer the following advantages:

- maximum elasticity with virtually constant restoring force
- fatigue-proof, uniformly low force transfer
- for shortening to suit the individual situation

Strength category: super elastic

Inner ø	Length	Wire strength ø	Force	REF	Quantity
0.75 mm / 30	18 cm	0.30 mm / 12	middle	302-022-00	1 piece

CE 0483



tomas®-stop screw

Without hexagon socket key.

REF 302-013-01	10 pieces
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CE 0483



Hexagon socket key 0.9

sterilizable

Key width: 0.9 mm

REF 607-129-00	1 piece
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CE



tomas®-slotted stops

Suitable as stop for tension springs.

	REF	Quantity
☑		
0.46 x 0.64 mm / 18 x 25	302-022-18	100 pieces
0.46 x 0.64 mm / 18 x 25	302-022-22	100 pieces

CE 0483



tomas®-hook

For fixing elastic elements (plastic chains, springs) to the tomas®-pin SD head.

REF 302-009-10	10 pieces
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CE 0483



tomas®-T-wire

Made of remanium® for direct and indirect connection with the tomas®-pin SD.

Material: Stainless steel

Strength category: spring hard · 1800–2000 N/mm²

	REF	Quantity
☑		
0.55 x 0.70 mm / 21.5 x 28	302-024-00	10 pieces

CE 0483



Anchorage system

Instruments and accessories



tomas®-cross tube 18

Transverse connection between two small rectangular tubes for joining two wires without welding or soldering. Ideal for the connection between tomas®-pin and arch.

Horizontal tube:

Overall length: 4.0 mm

Inner \varnothing : 0.46 x 0.64 mm / 18 x 25

Vertical tube:

Overall length: 2.0 mm

Inner \varnothing : 0.56 x 0.70 mm / 22 x 28

REF 302-014-18

10 pieces

CE 0483



tomas®-cross tube 22

Transverse connection between two small rectangular tubes for joining two wires without welding or soldering. Ideal for the connection between tomas®-pin and arch.

Horizontal tube:

Overall length: 4.0 mm

Inner \varnothing : 0.56 x 0.70 mm / 22 x 28

Vertical tube:

Overall length: 2.0 mm

Inner \varnothing : 0.56 x 0.70 mm / 22 x 28

REF 302-014-22

10 pieces

CE 0483



tomas®-power arm, square

Strength category: spring hard · 1800–2000 N/mm²

Crimping tube slotted, with spring hard wire, square (\varnothing 0.55 x 0.70 mm / 21.5 x 28). Can be placed directly on the arch wire, without loss of ligation of the archwire.

Universal application for the slot 18/22 technique.

Ideal for coupling with the tomas®-pin and for bending individual hooks.

Dimensions:

Tube length: 2.0 mm

Wire length: 25.0 mm

REF 302-015-00

10 pieces

CE 0483



tomas®-power arm, round

Strength category: spring hard · 1800–2000 N/mm²

Crimping tube slotted, with spring hard wire, round (\varnothing 0.7 mm / 28). Can be placed directly on the arch wire, without loss of ligation of the archwire. Universal application for the slot 18/22 technique. For bending individual hooks.

Dimensions:

Tube length: 2.0 mm

Wire length: 25.0 mm

REF 302-019-00

10 pieces

CE 0483



Crimping pliers sterilizable

Tip with V-shaped notch for holding and crimping sliding/clamping and stop tubes.

Premium-Line · 10 year guarantee

REF 003-711-00

1 piece

CE

tomas®-crimp hook

Crimping hook slotted, with 4 hooks to engage springs and plastic chains.

Universal application for the slot 18/22 technique.

Strength category: spring hard · 1800–2000 N/mm²



Quadrant	REF	Quantity
upper left/lower right	302-020-00	10 pieces
upper right/lower left	302-020-10	10 pieces

CE 0483

tomas®-aligner hook

(bonding hook)

Hook for bonding on teeth or aligner for direct coupling with tomas®-pin.

Special adhesive (Bond Aligner™ from Reliance) is required to bond onto plastic of aligner.

Strength category: spring hard · 1800–2000 N/mm²



Quadrant	REF	Quantity
upper left/lower right	302-021-00	10 pieces
upper right/lower left	302-021-10	10 pieces

CE 0483

tomas®-box

Plastic box with 2 inserts.

REF 302-023-10

1 piece



Anchorage system

Patient consultation material



tomas®-model

For patient demonstration.

REF 302-006-00

1 piece



tomas®-demonstration pin SD 08 self-drilling

For patient demonstration.

Scale: 5 : 1

REF 302-007-20

1 piece



tomas®-demonstration pin EP 08 self-drilling

For patient demonstration.

Scale: 5 : 1

REF 302-007-30

1 piece

NEW



Orthodontic demonstration model tomas®/amda®

Fitted with:

- tomas®-pin EP
- amda®
- lingual / palatal sheaths „easy in”, welded to standard molar band

Maxilla made of plastic.

REF 892-000-26

1 piece

NEW



