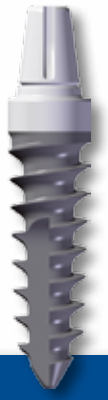
Q-IMPLANT®

TRINON
TITANIUM

Back to the roots



Q-POWERPOINTS

- a gap free one piece titanium implant
- atraumatic one-phase concept
- immediate temporisation and immediate loading possibilities
- reduced treatment time for both patient and dentist
- easy to follow treatment sequence
- clearly arranged titanium instruments

THE Q-IMPLANT-CONCEPT

Q-Implant System was developed for easy and efficient use in dental practice. Designed to provide simplicity and clarity, we have created a system that removes many of the disadvantages of earlier implant systems. This single-phase enossal implant is made of titanium and there are no complex components.
Its self-cutting thread achieves a high primary stability which allows the immediate placement of a temporary crown.
The transgingival healing makes a second operation unnecessary and the sand-blasted surface reduces the time taken for osseointegration. These features, together with the mirror-finished implant head, aid wound healing and reduce post-operative infections.

THE IMPLANT HEAD

The top of the implant was designed with a 7° cone. It can be individually grinded and can therefore be treated like a natural tooth. To avoid rotation, 4 symmetrical axial slots were placed on top.
They also guide the wrench you use to screw in the implant. This gives you the possibility to supply the implant with a temporal suprastructure. Before impression, the slots should be blocked out with composite. Using a dental dam, you may even grind the top during or right after surgery. Easy mucosa- and gum- management is possible due to the mirror-finish.
Your patient leaves your office with an aesthetic and functional solution on the day of surgery.

THE THREAD

Q-Implants are constructed with a self-cutting thread. Gentle bone-management and atraumatical insertion is possible by using minimal force.
Even in the spongious bone of the upper jaw you reach a high primary stability.
To reach this goal, we attached maximum importance in the development of a progressive designed thread with axial milling cuts, reducing stress and strain effects.
This spreads jaw pressure equally to the bone. The axial cuts also avoid rotation.
Bone shavings can be harvested and re-used during osteogenisis.

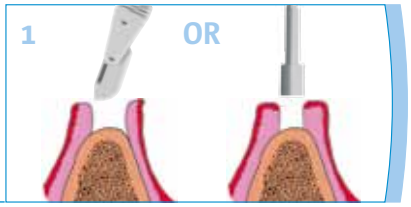
THE SURFACE

For maximum osseointegration the surface was etched and blasted with aluminiumoxide.

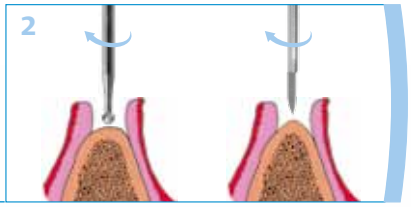
Q-IMPLANT®

Q-Implant surgery steps

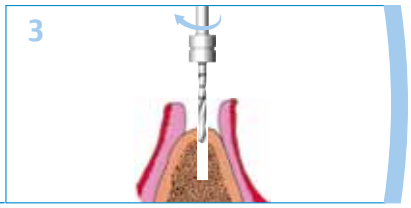
Mucosal surgery:
Using a TRINON scalpel, the mucosa is opened by a crestal cut. A fold of skin is then built to uncover the osseous structures. Alternatively a gum punch can be used.



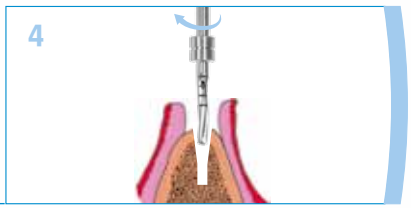
Initial indentation of the bone:
Use a rotating drill to create an indentation on the surface of the bone. Alternatively use a trocar drill to punch the mucosa if flapless surgery technique is applied.



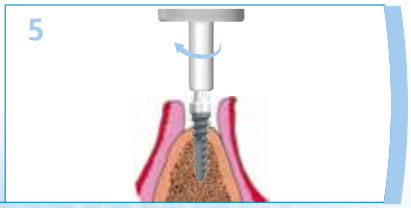
Pilot drill:
Considering both of optimal prosthetic and enossal position of the implant, the right direction of the pilot drill is chosen.



Shaping drill:
The shaping drill is performed with the selected diameter and length.

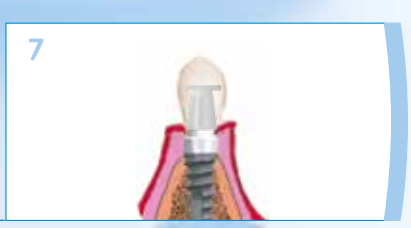


Insertion:
Taken from the sterile cover the implant is gently inserted into the prepared bone cavern with the insertion wrench. It may be helpful to use the handwheel or the handwrench. By its self-cutting design the implant gains maximum primary stability.



Suture:
After reaching the implants final position, the mucosa is stitched up tightly. This is not necessary if a gum punch was used.

The suprastructure:
A temporal suprastructure is recommended during the healing phase by means of using a MultiCap+ or a Silicone Cap. The final prosthetic suprastructure follows.



TRINON
TITANIUM

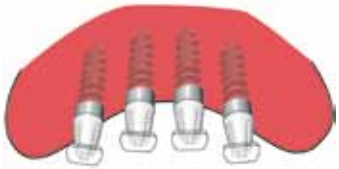
Prosthetics Procedure

After accomplished woundhealing and without inflammation in mucosal area, the prosthetical process can start. In case the implants head are grinded the prosthetical forming is settled with conventional methods. Normally the slots in the head get blocked out with composite and the standard dental impression is executed.
The laboratory model and the dental transformation are the same as providing a grinded tooth.

1

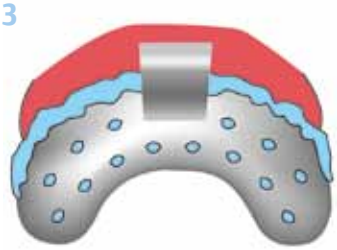
If the implants head are not grinded the use of MultiCap+ is recommended. This multifunctional cap is shifted onto the implants head and the impression made with an impression spoon.

2



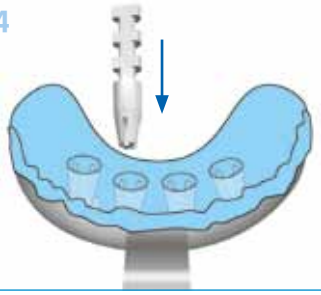
The laboratory implants (3QLab / 4QLab / 5QLab) are now inserted into the Muticap+ which are sticking in the impression material for casting the model. Finally the technical laboratory work can be performed in usual manners.

3



The choice of a thermoplastic synthetic material gives the dental technician the possibility to use the MultiCap+ as a burn-out basis for a variety of dental applications. MultiCap+ has a uniform material strength due to its conical shape and constant thickness. Several laboratory steps are considerably shortened by using these prefabricated moulds. MultiCap+ burns out completely at 850°c (1562°F) without residues, which allows the use of a wide variety of alloys. Weight In gold approx. 0,8 g (12,35 gr.), which allows for no waste!

4



After the processing of the model all prosthetic possibilities are available. (e.g. ceramics full bridge)

5

The Q-Box

The Q-Box was designed for clarity and simplicity. It can be easily stacked into an autoclave and its sturdy construction ensures stability even following many sterilisation procedures. Every system component has its own unmistakeable place making it easy for the operating assistant to locate the correct component quickly and efficiently. The titanium bowl can be used for blending bone augmentation material as well as the temporary storage of operating-instruments.

	Pilot-drill	Shaping-drill	Drill for cortical bone	Implant-holder	Insertion wrench	Mechanical insertion wrench	Hand wheel	Driver handle	Gum punch
Steribox complete with instruments					 IWQS 				 ⌀ *3 mm* **3QPUNCH** ⌀ *4 mm* **4QPUNCH**
QBOXC2	**PDQ1**	**SDQ3** **SDQ4**	**SDHQ3** **SDHQ4**	**QGRIP**	**IWQL**	**IKQ3**	**HWQ1**	**DHQ1**	**4QPUNCH**
incl. rotating drill	*2x*	*1x*	*1x*	*1x*	*1x*	*1x*	*1x*	*1x*	*1x*

Q-Tom

with the Q-Tom set the implantologist receives a bone-spreading and bone-condensing equipment completing the Q-Implant product range. These osteotomes made of titanium convince through their delicate design, maximum biocompatibility and elegant handling. The angulation of the convex working-ends support the use in frontal as well as in molar region.
The Q-Tom set includes seven osteotomes beginning with a diameter of 1,8 mm.

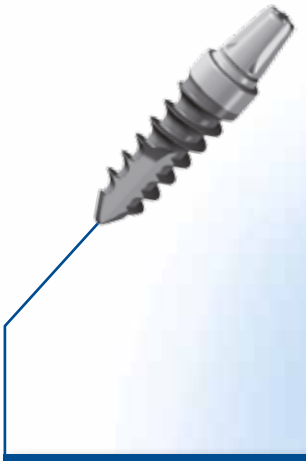
The diameter rises by 0,2 mm per instrument to the maximum diameter of 3 mm.
Through the minimal spreading of only 0,2 mm the operative effort and at the same time the risk of bone fractures in the spongious region is lowered.
The excellent visibility of the lasermarking (length 8, 10, 12, and 14 mm) gives maximum safety for insertion depth.

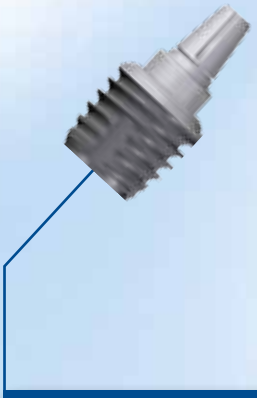
Complete set Osteotom Q-Tom *No. 1 – No. 7*	Osteotom Q-Tom No. 1 *(Bone Spreader)* ⌀ *1,8 mm*	Osteotom Q-Tom No. 2 *(Bone Spreader)* ⌀ *2,0 mm*	Osteotom Q-Tom No. 3 *(Bone Spreader)* ⌀ *2,2 mm*	Osteotom Q-Tom No. 4 *(Bone Spreader)* ⌀ *2,4 mm*	Osteotom Q-Tom No. 5 *(Bone Spreader)* ⌀ *2,6 mm*	Osteotom Q-Tom No. 6 *(Bone Spreader)* ⌀ *2,8 mm*	Osteotom Q-Tom No. 7 *(Bone Spreader)* ⌀ *3,0 mm*
QTOMC	**QTOM1**	**QTOM2**	**QTOM3**	**QTOM4**	**QTOM5**	**QTOM6**	**QTOM7**

TRINON TITANIUM

In every case Q-Implant®

The Q-Implant product range suits all indications.
Such as single tooth treatment and bridges, increasement of pillars in reduced set of teeth and in edentulous jaws.
It might be loaded immediately after tooth extraction and serves perfectly for immediate suprastructure, because of the high primary stability that is achieved by its very specific thread design.
Q-Implant, the implant system of the present and future !





Q-IMPLANT®

a popular and effective one-phase concept

ideal for immediate temporisation

and immediate loading

Two different neck heights; Standard (4 mm) and Short (2 mm)

in diameter 2,5; 3,5; 3,9; 4,5 and 5,6 mm

and length 8, 10, 12 or 14 mm available

GIP

an innovative one-phase concept

appropriate for strongly atrophied but wide lower and upper jaw

ideal for immediate temporisation

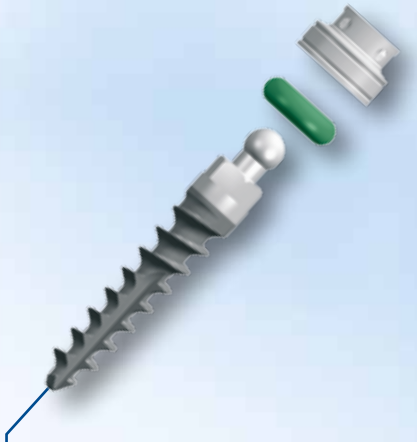
and immediate loading

neck height 0,6 mm

in diameter 6,3 and 7,0 mm

and length 4, 5, 6, 7 mm available

Q-IMPLANT®



Q³-IMPLANT®

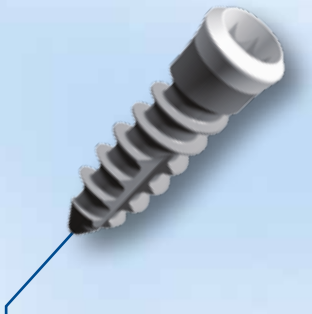
one-phase implant with ballpoint-head

excellent to be incorporated in existing overdentures

or its implant supported new creation

in diameter 3,5 mm and 4,5 mm

and length 8, 10, 12 or 14 mm available



Q K-IMPLANT®

two-phase implant with inner cone

universal in use, fits all indications
suitable for immediate and delayed loading and temporisation

compatible to many other systems

in diameter 4,0 and 5,6 mm

and length 8, 10, 12 or 14 mm available

Q²-IMPLANT®

two-phase implant with external hexagon

universal in use, fits all indications
suitable for immediate and delayed loading and temporisation

compatible to many other systems

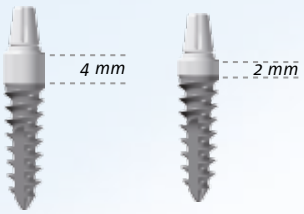
in diameter 3,5; 3,75 and 4,5 mm

and length 8, 10, 12 or 14 mm available

TRINON TITANIUM

Surgery

Implants



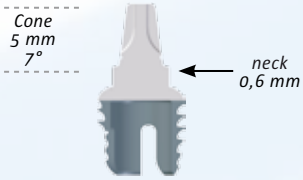
Q-IMPLANT®

Q-Implant 2,5		Standard				Short			
	Ø 2,5 mm	Ø 3,5 mm	Ø 3,9 mm	Ø 4,5 mm	Ø 5,6 mm	Ø 3,5 mm	Ø 3,9 mm	Ø 4,5 mm	Ø 5,6 mm
length	Art. No.	Art. No.	Art. No.	Art. No.	Art. No.	Art. No.	Art. No.	Art. No.	Art. No.
8 mm	25Q08	3Q08	39Q08	4Q08	5Q08	3QS08	39QS08	4QS08	5QS08
10 mm	25Q10	3Q10	39Q10	4Q10	5Q10	3QS10	39QS10	4QS10	5QS10
12 mm	25Q12	3Q12	39Q12	4Q12	5Q12	3QS12	39QS12	4QS12	5QS12
14 mm	25Q14	3Q14	39Q14	4Q14	5Q14	3QS14	39QS14	4QS14	5QS14

GIP-IMPLANT

GIP-Implant

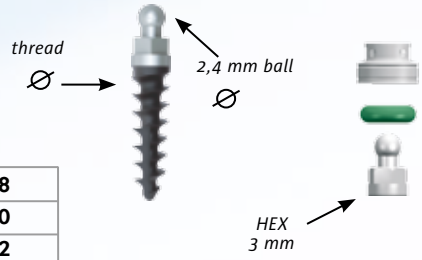
Length	Ø 6,3 mm Art. No.	Ø 7,0 mm Art. No.
4 mm	63GIP104	GIP4
5 mm	63GIP105	GIP5
6 mm	63GIP106	GIP6
7 mm	63GIP107	GIP7



Q³-IMPLANT®

Q³ Implant with matrix

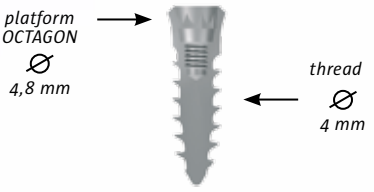
length	Ø 2,3 mm Art. No.	Ø 3,5 mm Art. No.	Ø 4,5 mm Art. No.
8 mm	23Q08	3Q308	45Q308
10 mm	23Q10	3Q310	45Q310
12 mm	23Q12	3Q312	45Q312
14 mm	23Q14	3Q314	45Q314



QK-IMPLANT®

QK Implant with cover screw

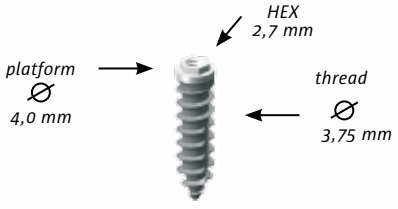
length	Ø 4,0 mm Art. No.	Ø 5,6 mm Art. No.
8 mm	4QK08	56QK08
10 mm	4QK10	56QK10
12 mm	4QK12	56QK12
14 mm	4QK14	56QK14



Q²-IMPLANT®

Q² Implant with cover screw

length	Ø 3,5 mm Art. No.	Ø 3,75 mm Art. No.	Ø 4,5 mm Art. No.
8 mm	35Q208	4Q208	45Q208
10 mm	35Q210	4Q210	45Q210
12 mm	35Q212	4Q212	45Q212
14 mm	35Q214	4Q214	45Q214



Instruments

Pilotdrill

PDQ1

Shaping drill

for implants

Ø 2,5 mm **SDQ25** Ø 3,5 mm **SDQ3** Ø 3,9 mm **SDQ39**

Ø 4,5 mm **SDQ4** Ø 5,6 mm **SDQ5**

Drill for cortical bone

for implants

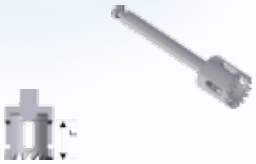
Ø 3,5 mm **SDHQ3** Ø 3,9 mm **SDHQ39** Ø 4,5 mm **SDHQ4** Ø 5,6 mm **SDHQ5**

Insertion wrench

short **IWQS** *long* **IWQL**

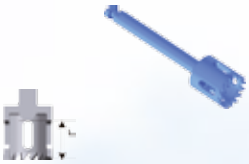
Q5108

Insertion hole drill



L= 4mm **Q5104** 5mm **Q5105** 6mm **Q5106** 7mm **Q5107**

Insertion hole drill for cortical bone



L= 4mm **Q5104K** 5mm **Q5105K** 6mm **Q5106K** 7mm **Q5107K**

PDQ1

Shaping drill

for implants

Ø 3,5 mm **SDQ3** Ø 4,5 mm **SDQ4**

Drill for cortical bone

for implants

Ø 3,5 mm **SDHQ3** Ø 4,5 mm **SDHQ4**

Insertion wrench

short **Q3123** *long* **Q3124**

Shaping drill

Ø 4,0 mm **Q4101** Ø 5,6 mm **Q4102**

Drill for cortical bone

Ø 5,6 mm **Q4103**

Insertion wrench

short **Q2123** *long* **Q2124**

Shaping drill

Ø 3,75 mm **Q2101** Ø 4,5 mm **Q2102**

Mechanical insertion wrench

IKQ3

Mechanical Insertion wrench

Q3120

Mechanical insertion wrench

short

Q2120

medium

Q2121

long

Q2122

Hand wheel

HWQ1

Driver handle

DHQ1

Gum punch

⌀ 3 mm	⌀ 4 mm	⌀ 5 mm
3QPUNCH	**4QPUNCH**	**5QPUNCH**

Gum punch

⌀ 3 mm	⌀ 4 mm
3QPUNCH	**4QPUNCH**

Screwdriver

short
20 mm

Q2113 (0,9 mm)
Q2114 (1,25 mm)

long
30 mm

Q2113L (0,9 mm)
Q2114L (1,25 mm)

Handpiece for screwdriver

Q2112

Q-IMPLANT®

Laboratory analog

⌀ 2,5 mm	⌀ 3,5 mm	⌀ 3,9 mm	⌀ 4,5 mm	⌀ 5,6 mm
25QLAB	3QLAB	39QLAB	4QLAB	5QLAB

Transfer cap Multicap+*

white caps for dentist impression

QCAP	QCAPS
slot	no Slot

blue caps for dental technician only

CAP5	CAP6
Slot	no Slot

Silicone Cap

fits all systems

Q5001 – S

Q5002 – M

Q5003 – L

Easy Temporary Cap

Acrylic cap

⌀ 4 mm - 10,5 mm

Temporary Prothesis made in 5 minutes.
Please ask for detailed information.

Laboratory analogue for Q³-Implants**

Q3210

Transfer cap for Q³-Implants**

Q3310

Matrix for Q³-Implants**

with O-Ring green, standard	O-Ring green, standard	O-Ring black, hard	O-Ring blue, very soft
Q3320	Q3321	Q3322	Q3323

Gingivaformer

2 mm	4 mm
Q4003	Q4004

Cover screw

small	big
Q4001	Q4002

Gingivaformer ⌀ 5 mm

3 mm	4 mm	5 mm	7 mm
Q2010	Q2011	Q2012	Q2013

Cover screw

Q2001

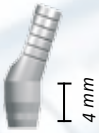
** also for QK und Q2 with Q-Cone abutment*

*** also for QK und Q2 mit Q-Ball abutment*

QK-Prosthetics

Transfer/Laboratory	**Impression post**	**Laboratory analogue**	**Technician analogue**	**Fixing screw**
	with screw  **Q4010 (for 4QK)** **Q4029 (for 5,6 QK)**	 **Q4011 (for 4QK)** **Q4028 (for 5,6 QK)**	 **Q4041**	 **Q4027**

Abutments

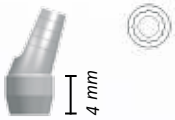
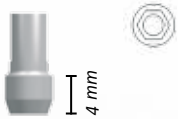
Abutments screwed	**Abutment** *screwed, straight*  **Q4015**	**Plastic cap** *burn-out, screwed length 10 mm*  *bridge* **Q4016** *crown* **Q4017**	**Occlusal screw**  **Q4018**
Abutments cemented incl. fixing screw.	**Abutment** *cemented*  *length 5,5 mm* **Q4012**	**Plastic cap** *burn-out, cemented length 7 mm*  *bridge* **Q4013** *crown* **Q4014**	
Abutments angled incl. fixing screw.	 *2 mm* *18°* **Q4022**	 *4 mm* *18°* **Q4023**	
Q-Cone Abutments	 *0 mm* **Q4019**	 *2 mm* **Q4021**	*to be fixed with IWQS, IWQL* *Prosthetics like Q-Implant Standard and Short*
Q-Ball Abutment	**Q-Ball Abutments with matrix**  *4 mm* *3 mm* *2 mm* *0 mm* **Q4026** **Q4025** **Q4024** **Q4020**		*to be fixed with Q2110, Q2111 and Q2112* *Prosthetics like Q³-Implant*

Q2-Prosthetics

Q-IMPLANT®

Transfer/Laboratory	**Impression post**	**Laboratory analogue**	**Technician analogue**	**Laboratory screw**
	with screw			
				
	Q2030	**Q2040**	**Q2041**	**Q2060**

Abutments

Straight and angled Abutments incl. fixing screw				
	18°	*18°*	*0°*	*0°*
	Q2051	**Q2052**	**Q2053**	**Q2054**

UCLA Abutment		**Fixing screw** *ffor UCLA and all other abutments* 
	with screw **Q2058**	**Q2056**

Q-Cone Abutments			*to be fixed with IWQS, IWQL*
	2 mm **Q2055**	*4 mm* **Q2057**	*Prosthetics like Q-Implant Standard and Short*

Q-Ball Abutment	**Q-Ball Abutment with matrix**				
					
	Q2063	**Q2062**	**Q2061**	**Q2059**	*to be fixed with Q2110, Q2111 and Q2112*
					Prosthetics like Q^3-Implant

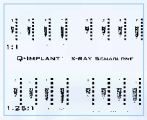
Para-Tubes – suitable for all implant systems

An intelligent solution for perfect parallelism. A safe insertion is guaranteed with the right distance and optimal axis.

Suitable for all implant systems.

Q-Para-Tubes-Set complete	Depth and axis gauge	Drilling guide	Drilling guide	Drilling guide
(QPT08, QPT10, QPT12) with axis gauge and titanium box				
QPTC	*with laser marking in 8, 10 und 12 mm* **QBML**	*8 mm axis distance* **QPT08**	*10 mm axis distance* **QPT10**	*12 mm axis distance* **QPT12**

Additional options

Additional options	Trocar drill	Rotating drill	Drill extender	Titanium Gaugeball	X-Ray Pattern	Titanium bowl	Depth gauge
				*4 mm* 			
	QX26	**QX27**	**QX28**	**4QBALL**	**QXRAY**	**QX29**	**QPARAPIN**

Universal Torque Ratchet

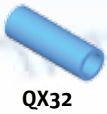
scale 1:2 **QX30**

Scalpel Handle

QX31

scale 1:3

Guide Tubes



QX32 ∅ *2,4 mm length 10 mm straight*

QX34 ∅ *2,4 mm length 10 mm with shoulder*

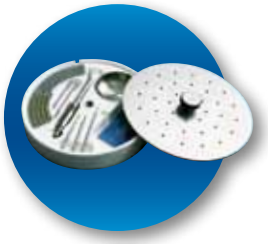
QX33 ∅ *2,4 mm length 6 mm straight*

QX35 ∅ *3,4 mm length 6 mm straight*

QX36 ∅ *3,4 mm length 6 mm with shoulder*

Q-IMPLANT®

Trinon product range for medicine



Q-BONE-GRAFTING-SET

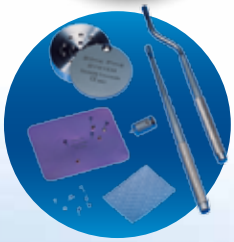
- suitable for onlay-plastic and mesh supported augmentation
- bone screws in diameter 1,0 und 1,3 mm
- colour coding
- including titanium bowl for blending augmentation material or temporay storage of instruments

Q-MESH

- 3-dimensional formed titanium mesh
- applicable to totally atrophied maxilla
- reduced operation time
- easy to use
- individual modulation

Q-MULTITRACTOR · TYPE KARLSRUHE

- modular, vertical titanium distractor
- pre-implantological augmentation of mandibula and maxilla
- innovative pin-basis-plate
- high stability
- minimally invasive surgery
- simplified treatment, reduced operation time



BONE-PIN-SYSTEM

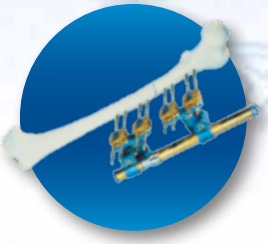
- titanium pins in length 3 mm and 5 mm
- for attachment of titanium mesh, -foils and membranes
- appropriate for 3-dimensional bone reconstruction
- titanium mesh 0,1 und 0,2 mm
- titanium foil 20 µ und 40 µ

OSTEOSYNTHESIS SYSTEM

- appropriate for maxillofacial-surgery
- titanium bonescrews and boneplates
- screw diameter 1,0 / 1,2 / 1,5 / 1,8 / 2,0 and 2,3 mm
- screwtop optional with inner crosshead or inner square
- large variety of plates with thickness 0,6 mm and 1,0 mm

SCALPELS

- scalpel blades
- disposable scalpels



MULTI-F

- external Ortho-Fixator made of titanium
- modular component system
- easy to use
- distraction, compression, dynamisation

TRINON
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HIGH QUALITY TITANIUM PRODUCTS SINCE 1993

MEDICINE

INDUSTRY

CONSUMER

TRINON TITANIUM

TRINON Titanium GmbH · Augartenstraße 1 · D-76137 Karlsruhe
Tel.: +49 721 93 27 00 · Fax: +49 721 24 991 · www.trinon.com