

IMZ[®]-TwinPlus

Catalog



IMZ[®]-TwinPlus

Modular implant system –
ideal for the atrophied jaw



“NEW” refers to all products included in the range of products for the first time in 2000/2001.

For superstructures of earlier system generations

- OD-Implants
- DH-Implants with flat IME
- DH-Implants with conical IME:

please order our exchange program catalog,
Art. no. 50 10 69.

Implant placement



Surgery




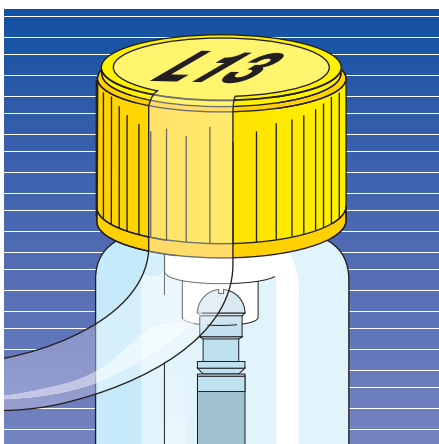
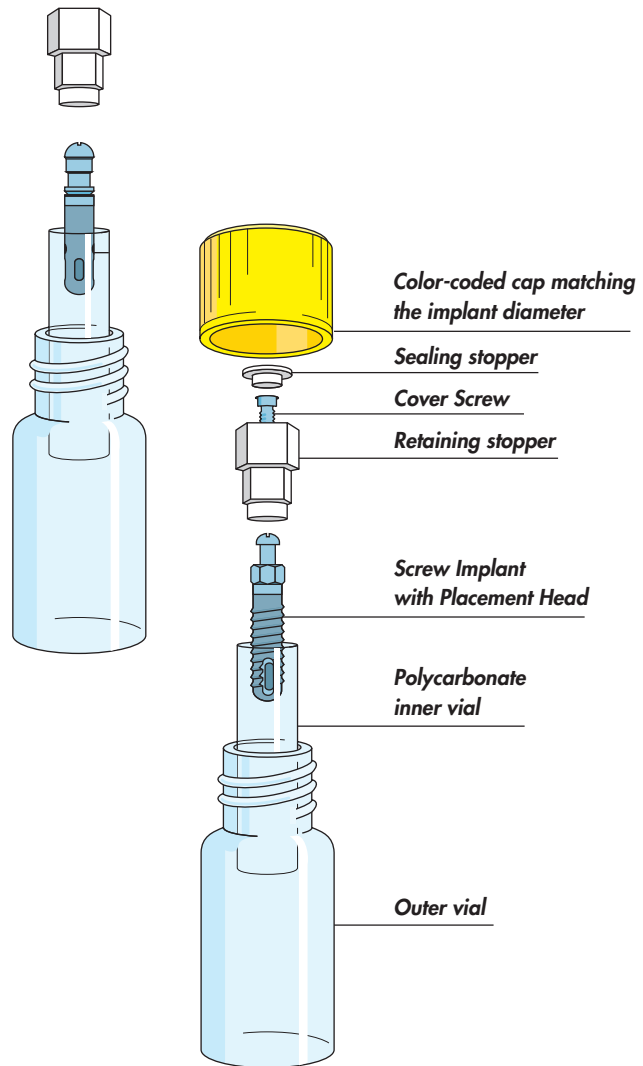
Color-coded cap matching the implant diameter

Implant packaging

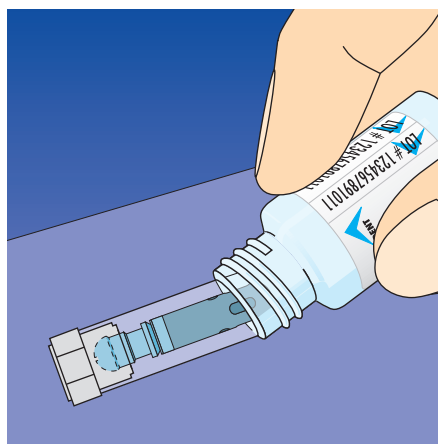
All FRIADENT implants are packed in gamma sterilized, sealed transparent double vials. An adhesive label seals the color-coded cap with the non-sterile outer vial. The blister is also non-sterile.

- **Transparent outer vial** – to see the content
- **Color-coded cap displaying the implant length** – for clear identification
- **Sterile inner vial with implant retaining stopper** – for fast and safe no-touch placement of implants
- **Peel-off labels** – for a reliable documentation

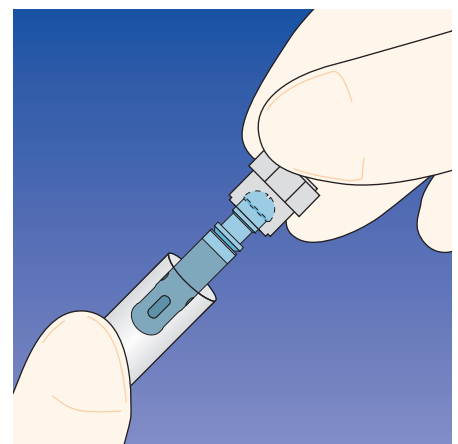
 The undamaged label is a clear indication that the sterile package has not been opened. It guarantees the sterility of our products.



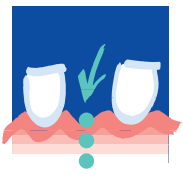
To open the implant vial, remove the label and unscrew the cap ...



... slide the inner vial onto the surgical tray ...



... remove the implant from the sterile inner vial and place it into the osteotomy without touching the implant.



Implant placement

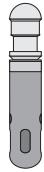
Surgery

Order No.	Article
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Implants (sterile)

IMZ®-TwinPlus Surgical Set Cylinder Implant with FRIOS® TPS coating

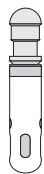
Cylinder Implant², Cover Screw², Snap-off Placement Head²



54 – 1120	– D 3.3/L 8
54 – 1121	– D 3.3/L 10
54 – 1122	– D 3.3/L 13
54 – 1123	– D 3.3/L 15
54 – 1110	– D 4/L 8
54 – 1111	– D 4/L 11
54 – 1112	– D 4/L 13
54 – 1113	– D 4/L 15

IMZ®-TwinPlus Surgical Set Cylinder Implant with FRIOS® HA coating,

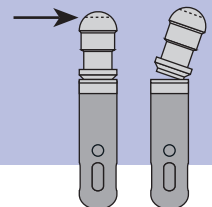
Cylinder Implant², Cover Screw², Snap-off Placement Head²



54 – 1127	– D 3.3/L 8
54 – 1124	– D 3.3/L 10
54 – 1125	– D 3.3/L 13
54 – 1126	– D 3.3/L 15
54 – 1117	– D 4/L 8
54 – 1114	– D 4/L 11
54 – 1115	– D 4/L 13
54 – 1116	– D 4/L 15

The IMZ®-TwinPlus cylinder implants are supplied with the **Cover Screw** already screwed into the implant.

After placing the implants, the **Snap-off Placement Head** is snapped off from the Cover Screw in the direction of the marking on the head. If the implant is still not in its final position after snapping off the Snap-off Placement Head, place the Seating Instrument directly on the Cover Screw.

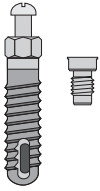


Order No.	Article
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Implants (sterile)

IMZ®-TwinPlus Surgical Set Cylinder Screw Deep Profile Surface

Cylinder Screw², Cover Screw², Placement Head²



- 54 – 1221 – D 3.3/L 10
- 54 – 1222 – D 3.3/L 13
- 54 – 1223 – D 3.3/L 15
- 54 – 1211 – D 4/L 11
- 54 – 1212 – D 4/L 13
- 54 – 1213 – D 4/L 15

IMZ®-TwinPlus Surgical Set Sinus Implant with FRIOS® titanium coating

The surgical set includes one Sinus Implant², Cover Screw² and Placement Head².



- 54 – 1012 – D 4/L 13

Cover Screw for Cylinder Screw Implant²



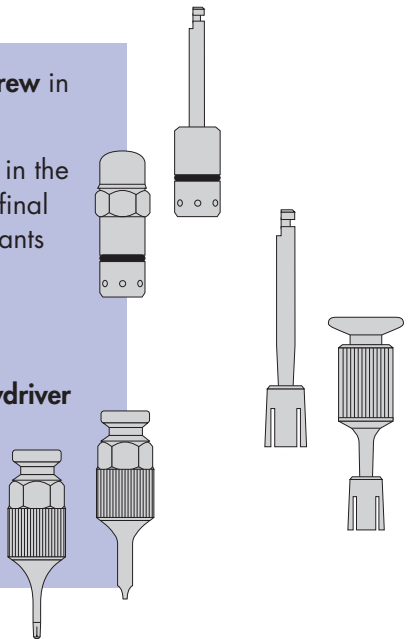
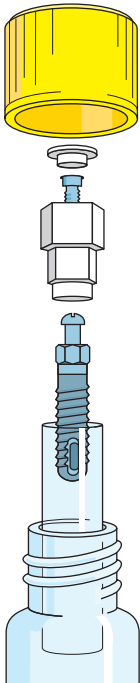
- 54 – 1242 – D 3.3
- 54 – 1241 – D 4

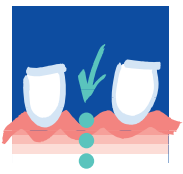
The IMZ®-TwinPlus cylinder screws are supplied with the **Cover Screw** in the silicone stopper of the inner vial.

Use the **IMZ®-TwinPlus Ratchet Insert for Screw Implants** to thread in the screw implants. Once the cylinder screw has been screwed to its final position, ensure that one of the points on the insert for screw implants is aligned towards vestibule. When using Esthetic abutments, This guarantees that the angled abutments and horizontal screw set of the finished crowns are positioned exactly.

Remove the placement head with the **IMZ®-TwinPlus PickUp Screwdriver for Placement Head**.

Use the **IMZ®-TwinPlus Hex Driver**, width 0.9 mm or **Screwdriver** blade D 2.0 to thread in the cover screws (for all instruments see pages 80/81).





Uncovery, temporary sealing, provisional restorations

Surgery

Order No.	Article
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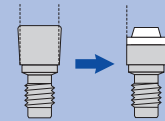
Gingiva formers

IMZ®-TwinPlus Kinetic Gingiva Former²



54 – 1532	– D 3.3/GH 2
54 – 1534	– D 3.3/GH 4
54 – 1536	– D 3.3/GH 6
54 – 1542	– D 4/GH 2
54 – 1544	– D 4/GH 4
54 – 1546	– D 4/GH 6

Kinetic Gingiva Former: for forming the soft tissue in case of occlusally screw-retained bridges, bars and attachments.

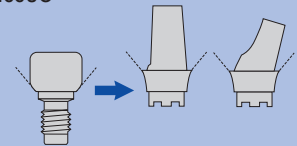


IMZ®-TwinPlus Esthetic Gingiva Former²

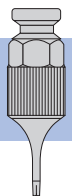


54 – 1317	– D 3.3/GH 2
54 – 1319	– D 3.3/GH 4
54 – 1320	– D 3.3/GH 6
54 – 1311	– D 4/GH 2
54 – 1313	– D 4/GH 4
54 – 1315	– D 4/GH 6

Esthetic Gingiva Former: for forming the soft tissue in case of single crowns and telescopic crowns.



All gingiva formers are screwed in with the **IMZ®-TwinPlus Hex Driver** width, 0.9 mm (see page 82).



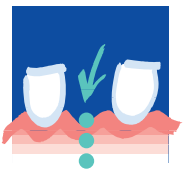
Order No.	Article
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Provisional Restorations



IMZ®-TwinPlus ProBase²⁰

54 - 1651	- D 3.3
54 - 1652	- D 4



Impression making

Surgery

Order No.	Article
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Kinetic Line

	IMZ®-TwinPlus Kinetic Lab Set	
	The Kinetic Lab Set includes one Kinetic Impression Coping and one Implant Analog.	
	54 – 1355	– D 3.3
	54 – 1354	– D 4

	IMZ®-TwinPlus Kinetic Impression Coping²	
	54 – 1352	– D 3.3
	54 – 1351	– D 4

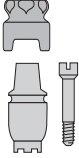
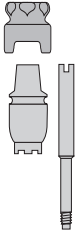



Kinetic Impression Copings: to be used for occlusally screw-retained bridges and bar structures.

Not to be used for Esthetic Line abutments, as there is no transfer of the precision interlocking.

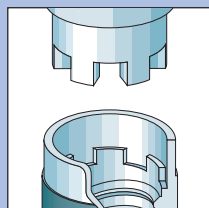
Esthetic Line

	IMZ®-TwinPlus Esthetic Lab Set (Transfer Technique)	
	The Esthetic Lab Set (Transfer Technique) includes Transfer Coping, TransferCap, Esthetic Abutment Screw and Implant Analog.	
	54 – 1342	– D 3.3
	54 – 1341	– D 4

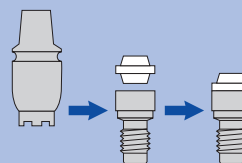
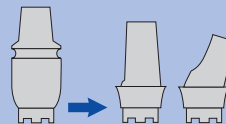
	IMZ®-TwinPlus Esthetic Lab Set (PickUp Technique)	
	The Esthetic Lab Set (PickUp Technique) includes Transfer Coping, TransferCap, PickUp Guide Pin and Implant Analog.	
	54 – 1345	– D 3.3
	54 – 1344	– D 4

Order No.	Article
Esthetic Line	
	IMZ®-TwinPlus Esthetic Transfer Coping (Transfer Technique)² with Esthetic Abutment Screw ⁴ and TransferCap ²⁰
54 – 1302	– D 3.3
54 – 1301	– D 4
	IMZ®-TwinPlus Esthetic Transfer Coping (PickUp Technique)² with PickUp Guide Pin ⁴ and TransferCap ²⁰
54 – 1306	– D 3.3
54 – 1305	– D 4
	IMZ®-TwinPlus Esthetic Abutment Screw⁴ for Esthetic Abutment A 0 and Transfer Coping
54 – 1303	
	IMZ®-TwinPlus Esthetic PickUp Guide Pin⁴ for Esthetic Transfer Coping
54 – 1304	
	IMZ®-TwinPlus TransferCap²⁰ Quantity: 3 each
	54 – 1295 – D 3.3
	54 – 1290 – D 4

The Esthetic Transfer Coping can be used both for customized crowns and for occlusally screw-retained bridges and bars.



Pre-condition: IMZ®-TwinPlus implants with internal interlocking. The precision interlocking is transferred to the model.



Advantages of the Esthetic Transfer Coping:

- Use of IMZ®-TwinPlus TransferCaps
- Impression making using the PickUp technique.



Bridges

Laboratory/
Prosthetics

Order No.	Article
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IMZ®-TwinPlus Bridge Lab Set with Castable Waxing Sleeve

The Bridge Lab Set (castable) includes one Connector Analog, Castable Waxing Sleeve and Screw for Waxing Sleeve.

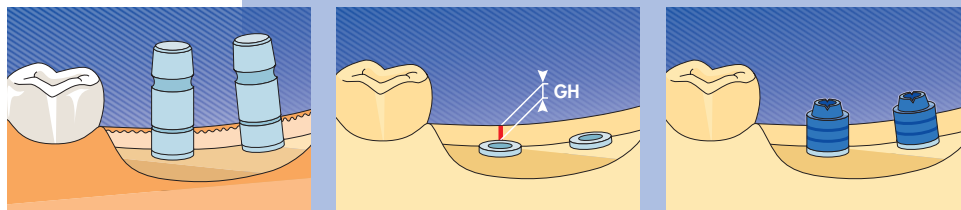
54 – 3010	– D 3.3/GH 1.5
54 – 3011	– D 3.3/GH 2
54 – 3012	– D 3.3/GH 2.7
54 – 3013	– D 3.3/GH 4
54 – 3014	– D 3.3/GH 6
54 – 3015	– D 4/GH 1
54 – 3016	– D 4/GH 2
54 – 3017	– D 4/GH 3
54 – 3018	– D 4/GH 4
54 – 3019	– D 4/GH 6



IMZ®-TwinPlus Bridge Lab Set with Cast-to Sleeve

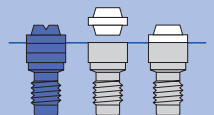
The Bridge Lab Set (cast-to) includes one Connector Analog, Cast-to Waxing Sleeve and Screw for Waxing Sleeve.







54 – 3020	– D 3.3/GH 1.5
54 – 3021	– D 3.3/GH 2
54 – 3022	– D 3.3/GH 2.7
54 – 3023	– D 3.3/GH 4
54 – 3024	– D 3.3/GH 6
54 – 3025	– D 4/GH 1
54 – 3026	– D 4/GH 2
54 – 3027	– D 4/GH 3
54 – 3028	– D 4/GH 4
54 – 3029	– D 4/GH 6



The height (GH) for the connector analog is defined in the laboratory by extending from the upper edge of the implant analog to the crestal edge of the soft tissue.

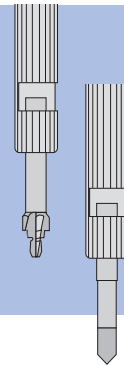
In the clinical situation, the intramobile element must always lie above the soft tissue.



Order No.	Article
	IMZ®-TwinPlus Implant Analog⁵
54 – 1382	– D 3.3
54 – 1381	– D 4
	IMZ®-TwinPlus Kinetic Connector Analog⁵
54 – 1399	– D 3.3/GH 1.5
54 – 1395	– D 3.3/GH 2
54 – 1396	– D 3.3/GH 2.7
54 – 1397	– D 3.3/GH 4
54 – 1398	– D 3.3/GH 6
	
54 – 1390	– D 4/GH 1
54 – 1391	– D 4/GH 2
54 – 1392	– D 4/GH 3
54 – 1393	– D 4/GH 4
54 – 1394	– D 4/GH 6
	IMZ®-TwinPlus Screw for Waxing Sleeve⁴
51 – 1363	– D 3.3
51 – 1353	– D 4
	IMZ®-TwinPlus Castable Waxing Sleeve²¹
51 – 1365	
	IMZ®-TwinPlus Cast-to Waxing Sleeve^{20/Ceramicor}
51 – 1366	

Castable Waxing Sleeve: before placing the bridge, smoothen the contact surface between crown and abutment, and the screw and screw seat on the other hand using the **IMZ®-TwinPlus Finishers** (see page 83).

Cast-to Waxing Sleeve: smoothing with finishers is not necessary.

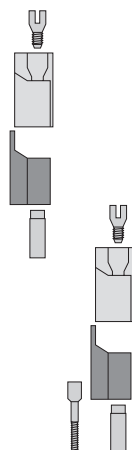




Bridges

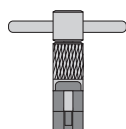
Laboratory/
Prosthetics

Order No.	Article
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Attachments

- | | |
|-----------|--|
| 51 – 1401 | IMZ®-TwinPlus Precision Attachment with Threaded Titanium Sleeve (castable)
for placing the threaded sleeve after veneering
(4 parts: female, male, threaded titanium sleeve, titanium screw) |
| 51 – 1405 | IMZ®-TwinPlus Precision Attachment with Threaded Cast-to Sleeve
for casting or soldering technique
(5 parts: female, male, threaded cast-to sleeve, titanium screw, retaining screw) |
| 51 – 1403 | IMZ®-TwinPlus Castable Precision Attachment²¹
(Male and Female) for casting corrections |
| 51 – 1408 | IMZ®-TwinPlus Threaded Titanium Sleeve and Titanium Screws² for Precision Attachment |
| 51 – 1390 | IMZ®-TwinPlus Threaded Cast-to Sleeve and Screws² for Precision Attachment |
| 51 – 1407 | IMZ®-TwinPlus Titanium Screw² for Precision Attachment |



The **Placement Tool for Threaded Titanium Sleeve** (art. no. 51 – 4099) is required for placing the threaded titanium sleeve after veneering (see page 83).

When using two precision attachments within one superstructure, the attachments must be parallel to each other. The **Paralleling Pin** is used for parallel fixation of the male section.









Soldering analog



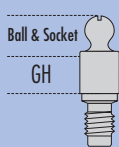
- | | |
|-----------|--|
| 51 – 1277 | Lab Set Soldering Analog Bridge⁶ |
|-----------|--|

The Soldering Analog is used for secure fixation of the framework in the soldering base.

Attachments

Order No.	Article
	IMZ®-TwinPlus Implant Analog⁵
54 – 1382	– D 3.3
54 – 1381	– D 4
	IMZ®-TwinPlus Ball and Socket Attachment (matrix, patrix, blue silicone ring, white plastic ring)
	51 – 1455 – D 3.3/GH 0
	51 – 1457 – D 3.3/GH 1
	51 – 1454 – D 3.3/GH 2
	51 – 1456 – D 3.3/GH 4
	51 – 1451 – D 4/GH 0
	51 – 1453 – D 4/GH 1
	51 – 1450 – D 4/GH 2
	51 – 1452 – D 4/GH 4
	IMZ®-TwinPlus Attachment Patrix⁴
	51 – 1465 – D 3.3/GH 0
	51 – 1467 – D 3.3/GH 1
	51 – 1464 – D 3.3/GH 2
	51 – 1466 – D 3.3/GH 4
	51 – 1461 – D 4/GH 0
	51 – 1463 – D 4/GH 1
	51 – 1460 – D 4/GH 2
	51 – 1462 – D 4/GH 4
	51 – 1470 IMZ®-TwinPlus Attachment Matrix ^{(gold alloy)/26}

The total height of the ball and socket attachment consists of the height of the ball and socket (4.5 mm) added to the gingival height (GH). For GH 0, the height of the ball screwed into the implant is 4.5 mm.

	Example:
	Height ball and socket = 4.5 mm
	Gingival height = 4.0 mm
	<hr/>
	Total height = 8.5 mm

Use the **IMZ®-TwinPlus Cross Slot Screwdriver for Patrix** for threading in the Ball and Socket Attachments (see page 87).





Attachments

Laboratory/
Prosthetics

Order No.	Article
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The **blue silicone ring** included with the IMZ®-TwinPlus Attachment is placed over the head of the ball and acts a place holder only during **polymerization**. The white plastic ring is placed around the socket as a spacer, protecting the disks from penetrating liquid plastic. Both rings are removed after polymerization.

51 – 1475 **IMZ®-TwinPlus Lab Analog for Ball and Socket Attachment**
universal


The IMZ®-TwinPlus lab analog for ball and socket attachments is used to repair and relines overdentures. It is clipped into the socket integrated in the denture after relines impressions are made. This serves as a place holder for the surgical site. The universal lab analog is used for all diameters.


Bar overdentures


Order No.	Article
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	IMZ®-TwinPlus Bar Coping Lab Set (Elitor®)	
	The set includes one Connector Analog, one Gold Coping (Elitor®) and one Bar Coping Screw.	
	54 – 3050	– D 3.3/GH 1.5
	54 – 3051	– D 3.3/GH 2
	54 – 3052	– D 3.3/GH 2.7
	54 – 3053	– D 3.3/GH 4
	54 – 3054	– D 3.3/GH 6
	54 – 3055	– D 4/GH 1
	54 – 3056	– D 4/GH 2
	54 – 3057	– D 4/GH 3

The gold alloy **Elitor®** is a solderable alloy with a high gold content.

	IMZ®-TwinPlus Bar Coping Lab Set (Titanium)	
	The set includes one Connector Analog, one Ti-Line Bar Coping and one Bar Coping Screw.	
	54 – 3060	– D 3.3/GH 1.5
	54 – 3061	– D 3.3/GH 2
	54 – 3062	– D 3.3/GH 2.7
	54 – 3063	– D 3.3/GH 4
	54 – 3064	– D 3.3/GH 6
	54 – 3065	– D 4/GH 1
	54 – 3066	– D 4/GH 2
	54 – 3067	– D 4/GH 3

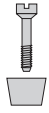

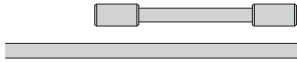

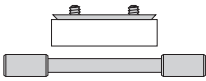
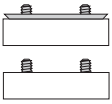


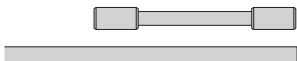
	IMZ®-TwinPlus Implant Analog⁵	
	54 – 1382	– D 3.3
	54 – 1381	– D 4

	IMZ®-TwinPlus Kinetic Connector Analog⁵	
	54 – 1399	– D 3.3/GH 1.5
	54 – 1395	– D 3.3/GH 2
	54 – 1396	– D 3.3/GH 2.7
	54 – 1397	– D 3.3/GH 4
	54 – 1398	– D 3.3/GH 6
	54 – 1390	– D 4/GH 1
	54 – 1391	– D 4/GH 2
	54 – 1392	– D 4/GH 3
	54 – 1393	– D 4/GH 4



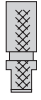
Bar overdentures

Laboratory/
Prosthetics

	Order No.	Article
	51 – 1205	– D 3.3
	51 – 1204	– D 4
	51 – 1209	– D 3.3
	51 – 1208	– D 4
	51 – 1224	– D 2/L 27
	51 – 1241	– D 2/L 50
	51 – 1226	– L 14
	51 – 1242	– L 50
	51 – 1225	– D 2/L 27
	51 – 1227	– with Base Plate L 14
	51 – 1229	– L 14 without Base Plate with screws
<p><u>Soldering analog</u></p>		
	51 – 1276	Lab Set Soldering Analog Bar
<p>The soldering analog is used for secure fixation of the framework in the soldering base.</p>		
<p><u>Ti-Line for laser-welded bar structures</u></p>		
	51 – 1240	– D 3.3
	51 – 1239	– D 4
	51 – 1236	– D 2/L 27
	51 – 1237	– D 2/L 50

Telescopic crowns (bridges, overdentures)

Order No.	Article
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IMZ®-TwinPlus Implant Analog⁵

54 - 1382	- D 3.3
54 - 1381	- D 4

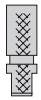
IMZ®-TwinPlus Telescopic Abutment² with Esthetic Abutment Screw⁴



54 - 2031	- D 3.3
54 - 2030	- D 4

The Telescopic Abutment can also be used as abutment for single crowns.

The Telescopic Abutment can be veneered with titanium ceramic material for occlusally retained single crowns.



IMZ®-TwinPlus Milled Analog⁶

54 - 2131	- D 3.3
54 - 2130	- D 4




Special titanium drills (e.g. from Gebr. Brasseler, Lemgo or Jota, Düsseldorf) should be used for easier preparation of the telescopic abutments. You should use the milled implant analog in any case for reliable fixation in the **milling model**.

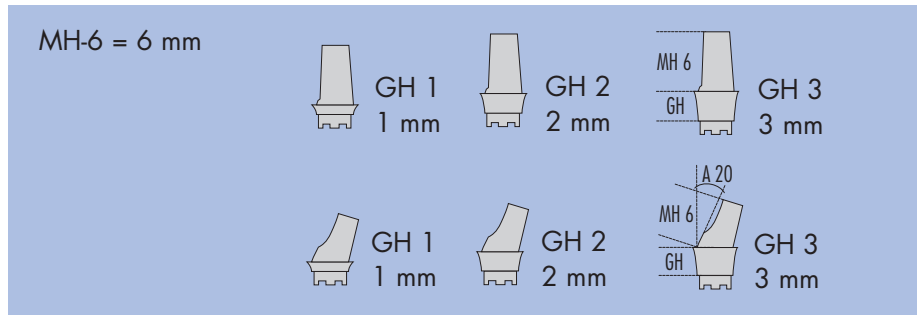




Single crowns

Laboratory/
Prosthetics

	Order No.	Article
	54 – 1382	– D 3.3
	54 – 1381	– D 4
IMZ®-TwinPlus Esthetic Abutment A 0 straight² with Esthetic Abutment Screw ⁴		
	54 – 2015	– D 3.3/GH 1
	54 – 2016	– D 3.3/GH 2
	54 – 2017	– D 3.3/GH 3
	54 – 2011	– D 4/GH 1
	54 – 2012	– D 4/GH 2
	54 – 2013	– D 4/GH 3
IMZ®-TwinPlus Esthetic Abutment A 20 angled² with Esthetic Abutment Screw ⁴		
	54 – 2025	– D 3.3/GH 1
	54 – 2026	– D 3.3/GH 2
	54 – 2027	– D 3.3/GH 3
	54 – 2021	– D 4/GH 1
	54 – 2022	– D 4/GH 2
	54 – 2023	– D 4/GH 3






All abutments have a horizontal thread (M 1.4 mm).
Please order an additional horizontal screw for screw-retained crowns (see page 69).

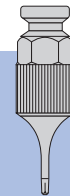
Special titanium drills are recommended (e.g. from Gebr. Brasseler, Lemgo or Jota, Düsseldorf) for **grinding and customizing** the abutments.

Order No.	Article
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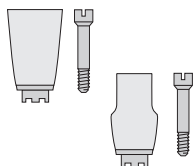
Horizontal Screw Set

	54 – 2035	IMZ®-TwinPlus Horizontal Screw Set Standard
	54 – 2036	IMZ®-TwinPlus Horizontal Screw Standard⁴
	54 – 2038	IMZ®-TwinPlus Long Horizontal Screw Set Standard (with long head)
	54 – 2039	IMZ®-TwinPlus Long Horizontal Screw Standard⁴ (with long head)
	54 – 2037	IMZ®-TwinPlus Cast-to Seat for Horizontal Screw^{Ceramicor}
	54 – 2034	IMZ®-TwinPlus Castable Seat for Horizontal Screw Ti-Line

Horizontal screws are threaded in with the **IMZ®-TwinPlus Hex Driver** width 0.9 mm (see page 83). Particularly for the molars, we recommend using the Horizontal Screw Set with long head, as the crown usually requires a broader buccal-lingual width.



Ceramic Abutments

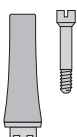


IMZ®-TwinPlus CeraBase Abutment^{30/3}
with screw⁴

54 – 2530	– D 3.3 conical
54 – 2531	– D 3.3 anatomical
54 – 2540	– D 4 conical
54 – 2541	– D 4 anatomical

We recommend using the **IMZ®-TwinPlus CeraBase Tool Set** to prepare the ceramic sleeve of the IMZ®-TwinPlus CeraBase Abutment (see page 84). The grinding process does not require irrigation. The abutment can be veneered directly with Allceram (Ducera) or Vitadur Alpha (Vita Zahnfabrik).

Castable Crown Abutments



IMZ®-TwinPlus AuroBase Abutment^{20/Ceramicor}
with screw⁴

54 – 2430	– D 3.3
54 – 2431	– D 4



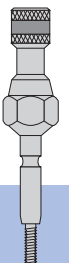
Bridges/bars

Delivery of the superstructure

Order No.	Article
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		IMZ®-TwinPlus Clinic Set IMC	
		IMC Titanium Insert, IMC Intramobile Element	
	51 – 1317	– D 3.3/GH 1.5	
	51 – 1316	– D 3.3/GH 2	
	51 – 1318	– D 3.3/GH 2.7	
	51 – 1319	– D 3.3/GH 4	
	51 – 1320	– D 3.3/GH 6	
	51 – 1309	– D 4/GH 1	
	51 – 1310	– D 4/GH 2	
	51 – 1312	– D 4/GH 3	
	51 – 1313	– D 4/GH 4	
	51 – 1315	– D 4/GH 6	

		IMZ®-TwinPlus IMC Titanium Insert³	
	51 – 1327	– D 3.3/GH 1.5	
	51 – 1328	– D 3.3/GH 2	
	51 – 1334	– D 3.3/GH 2.7	
	51 – 1331	– D 3.3/GH 4	
	51 – 1335	– D 3.3/GH 6	
	51 – 1321	– D 4/GH 1	
	51 – 1322	– D 4/GH 2	
	51 – 1323	– D 4/GH 3	
	51 – 1325	– D 4/GH 4	
	51 – 1332	– D 4/GH 6	



Use the **IMZ®-TwinPlus Seating Instrument for Titanium Inserts** to seat the titanium insert (see page 86).

		IMZ®-TwinPlus IMC Intramobile Element	
	51 – 1337	– 1 piece	
	51 – 1357	– 3 pieces	
	51 – 1358	– 10 pieces	

Now: IME MultiPack (10 pieces)

Order No.	Article
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IMZ®-TwinPlus Titanium Connector³



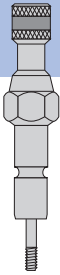
- 51 - 4227 - D 3.3/GH 1,5
- 51 - 4234 - D 3.3/GH 2
- 51 - 4235 - D 3.3/GH 2,7
- 51 - 4236 - D 3.3/GH 4
- 51 - 4237 - D 3.3/GH 6



- 51 - 4229 - D 4/GH 1
- 51 - 4230 - D 4/GH 2
- 51 - 4231 - D 4/GH 3
- 51 - 4232 - D 4/GH 4
- 51 - 4228 - D 4/GH 6

For rigid restoration only,
without intramobile element.

Use the **IMZ®-TwinPlus Seating Instrument for Titanium Connectors** to thread in the titanium connectors (see page 86).





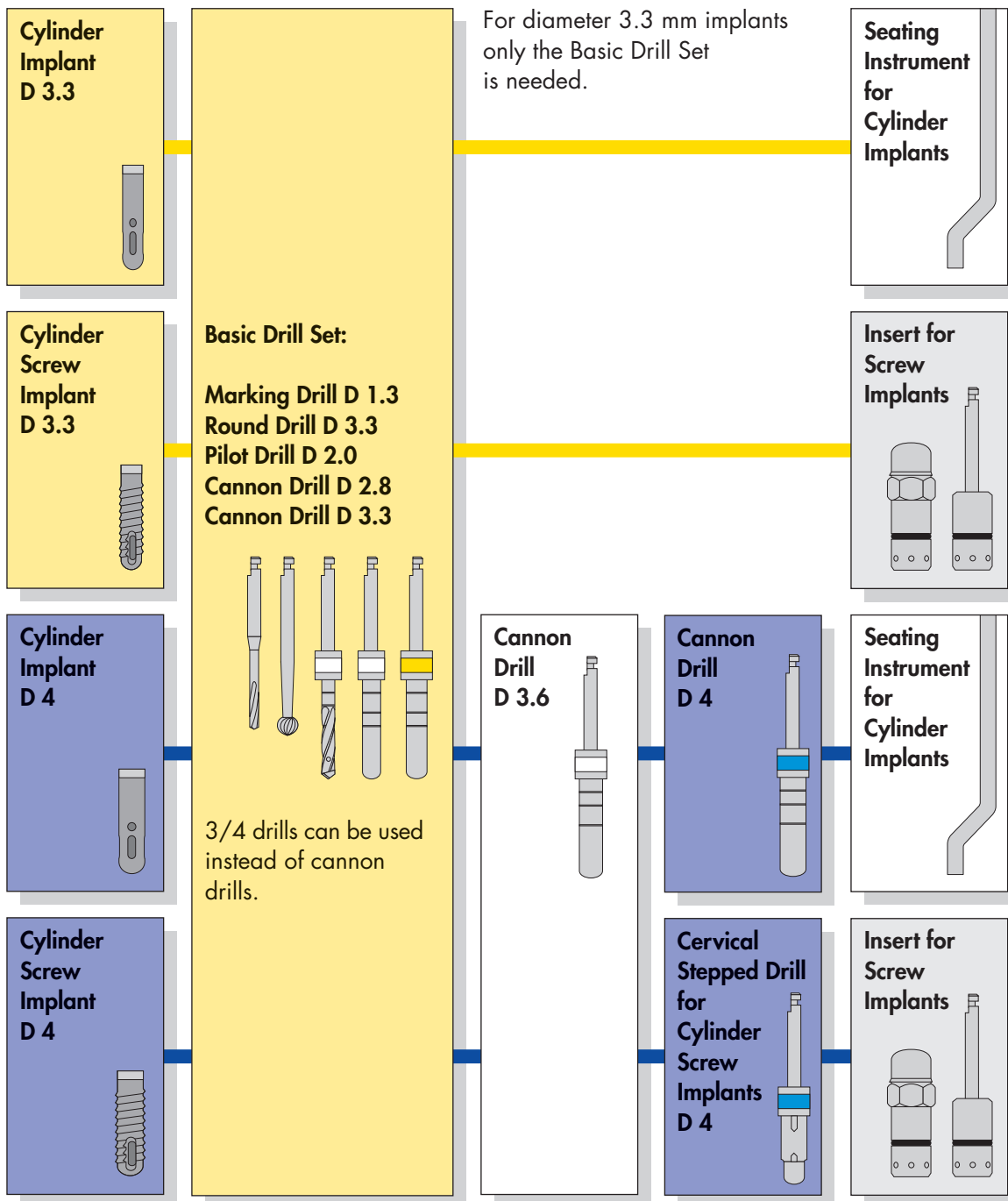
Pre-surgical planning

Instruments and Equipment

Order No.	Article
49 – 1211	IMZ®-TwinPlus Radiographic Balls for pre-surgical planning^o (Ø 5 mm). Quantity: 12
59 – 9090	IMZ®-TwinPlus Surgical Template for implants (Scales 1:1; 1.3:1; 1.7:1)
91 – 0010	IMZ®-TwinPlus Khoury Drill Guide (1 pin, 3 sleeves)
91 – 4501	IMZ®-TwinPlus Khoury Drill Guide Sleeve²
91 – 4502	IMZ®-TwinPlus Khoury Drill Guide Pin²



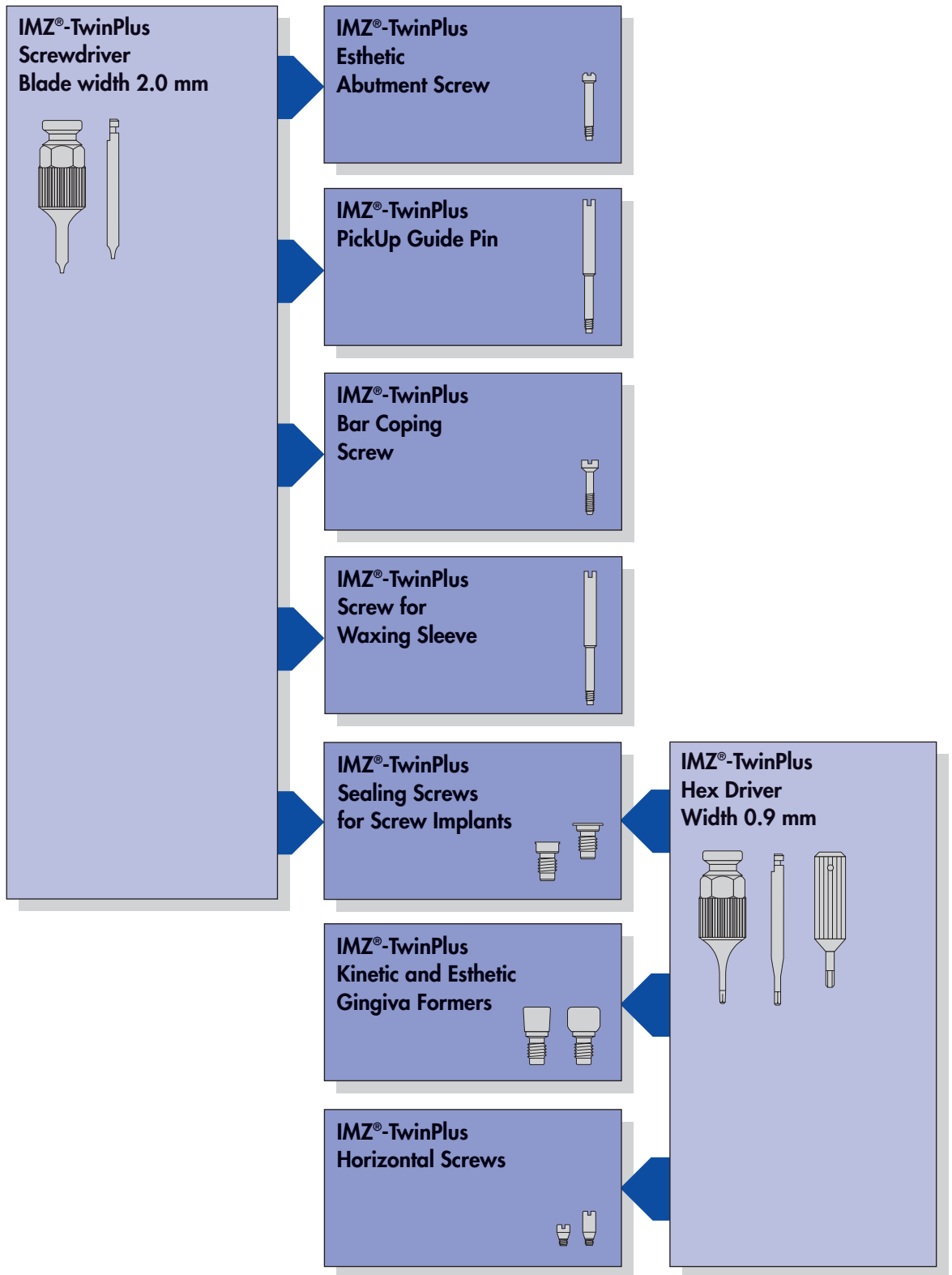
Implant placement





Use of the IMZ®-TwinPlus Screwdrivers

Instruments and Equipment



IMZ®-TwinPlus Inserts for Screw Implants

Threading in IMZ®-TwinPlus Screw Implants

Removing Placement Head

IMZ®-TwinPlus PickUp Screwdrivers for Placement Head

IMZ®-TwinPlus Cross Slot Screwdriver for Patrix

IMZ®-TwinPlus Ball and Socket Attachment Patrix

IMZ®-TwinPlus Seating Instrument for Titanium Insert

IMZ®-TwinPlus Titanium Insert

IMZ®-TwinPlus Seating Instrument for Titanium Connector

IMZ®-TwinPlus Titanium Connector



Implant placement

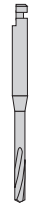
Instruments and Equipment

Order No.	Article
	IMZ®-TwinPlus Surgical Instrument Set (incl. surgical tray)
50 – 5025	– D 3.3 and D 4/L 8–15 (with sterilizable Cannon Drill)
50 – 5026	– D 3.3 and D 4/L 8 + 10 (11) + 13 + 15 (with sterilizable Cannon Drill)
	The IMZ®-TwinPlus Surgical Instrument Set is also available with sterilizable 3/4 Drills:
50 – 5033	– D 3.3 and D 4/L 8–15
50 – 5034	– D 3.3 and D 4/L 8 + 10 (11) + 13 + 15

Contents:	50 – 5025	50 – 5026
Radiographic Balls for pre-surgical planning	■	■
Marking Drill D 1.3	■	■
Round Drill D 3.3	■	■
Pilot Drill (internal irrigation) D 2/L 8–15	■	■
Cannon Drill (internal irrigation, can be sterilized)		
– D 2.8/L 8–15 universal	■	■
– D 3.3/L 8–15 universal	■	
– D 3.6/L 8–15 universal	■	■
– D 4/L 8–15 universal	■	
– D 3.3/L 8		■
– D 3.3/L 10		■
– D 3.3/L 13		■
– D 3.3/L 15		■
– D 4/L 8		■
– D 4/L 11		■
– D 4/L 13		■
– D 4/L 15		■
Cervical Stepped Drill for Cylinder Screws D 4	■	■
Drill Extension	■	■
Paralleling Pins	■	■
Depth Gauge D 4	■	■
Depth Gauge D 3.3	■	■
Seating Instrument	■	■
IMZ®-TwinPlus Torque Ratchet	■	■
Ratchet Insert for Screw Implants	■	■
Handpiece Insert for Screw Implants	■	■
Hex Driver (for ratchet/manual) width 0.9 mm	■	■
Hexdriver for Contra-angle Handpiece width 0.9 mm	■	■
PickUp Screwdriver for Placement Head	■	■
PickUp Screwdriver for Placement Head for Contra-angle Handpiece	■	■
Drill Cleaning Instrument	■	■
IMZ®-TwinPlus Surgical Tray	■	■
Screwdriver (for ratchet/manual) blade width 2.0 mm/short	■	■
Titanium Implant Forceps	■	■

Order No.	Article
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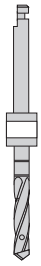
Drills⁶



51 - 4012 **IMZ®-TwinPlus Marking Drill**
- D 1.3



51 - 4014 **IMZ®-TwinPlus Round Drill**
- D 3.3
51 - 4022 - D 4 (internal irrigation)



IMZ®-TwinPlus Twist Drill (internal irrigation)
51 - 4013 - D 2/L 8-15
54 - 4018 - D 2/L 8-18



IMZ®-TwinPlus Cannon Drill
(internal irrigation, sterilizable)



51 - 4021 - D 2.8/L 8-15
54 - 4019 - D 2.8/L 8-18
51 - 4015 - D 3.3/L 8-15
54 - 4020 - D 3.3/L 8-18
51 - 4069 - D 3.3/L 8
51 - 4070 - D 3.3/L 10
51 - 4072 - D 3.3/L 13
51 - 4073 - D 3.3/L 15



54 - 4025 - D 3.6/L 8-15
51 - 4020 - D 4/L 8-15
54 - 4029 - D 4/L 8-18
51 - 4016 - D 4/L 8
51 - 4017 - D 4/L 11
51 - 4018 - D 4/L 13
51 - 4019 - D 4/L 15



54 - 4026 **IMZ®-TwinPlus Cervical Stepped Drill**
for Cylinder Screw Implants
(internal irrigation, sterilizable)

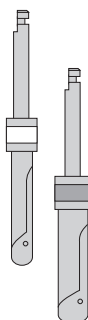


Implant placement

Instruments and Equipment

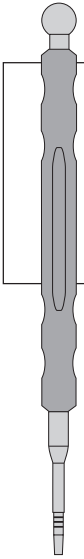
Order No.	Article
	IMZ®-TwinPlus 3/4-Drill (internal irrigation, sterilizable)
51 – 4310	– D 2.8/L 8–15
51 – 4311	– D 3.0/L 8–15
51 – 4312	– D 3.3/L 8–15
51 – 4313	– D 3.6/L 8–15
51 – 4314	– D 4.0/L 8–15
51 – 4319	– D 3.3/L 8
51 – 4320	– D 3.3/L 10
51 – 4321	– D 3.3/L 13
51 – 4322	– D 3.3/L 15
51 – 4315	– D 4/L 8
51 – 4316	– D 4/L 11
51 – 4317	– D 4/L 13
51 – 4318	– D 4/L 15
	IMZ®-TwinPlus Disposable 3/4 Drill for 1 operation (sterile)
53 – 4000	– D 2.8/L 8–15
53 – 4001	– D 3.0/L 8–15
53 – 4002	– D 3.3/L 8–15
53 – 4007	– D 3.6/L 8–15
53 – 4010	– D 4/L 8–15
91 – 0003	IMZ®-TwinPlus Drill Extension
90 – 5043	Long Internal Irrigation Tube (for Drill Extension)
<p>The drill extension must always be used with the long internal irrigation tube.</p>	
51 – 4079	IMZ®-TwinPlus Drill Cleaning Instrument

3/4 Drill for smooth running even at reduced speed.



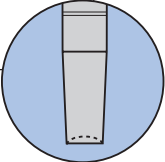
Order No.	Article
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IMZ®-TwinPlus BoneCondenser



IMZ®-TwinPlus Instrument Set BoneCondenser

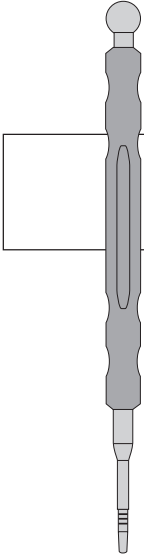
- 54 – 4045 – Instrument Set straight and angled (6 instruments in tray)
- 54 – 4050 – Instrument Set straight (3 instruments in tray)
- 54 – 4060 – Instrument Set angled (3 instruments in tray)



IMZ®-TwinPlus BoneCondenser

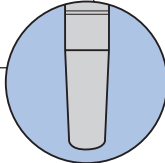
- 54 – 4051 – D 2, straight
- 54 – 4052 – D 3, straight
- 54 – 4055 – D 4, straight
- 54 – 4061 – D 2, angled
- 54 – 4062 – D 3, angled
- 54 – 4065 – D 4, angled

IMZ®-TwinPlus BoneExpander



IMZ®-TwinPlus Instrument Set BoneExpander

- 54 – 4070 – Instrument Set straight (3 instruments in tray)



IMZ®-TwinPlus BoneExpander

- 54 – 4071 – D 2, straight
- 54 – 4072 – D 3, straight
- 54 – 4075 – D 4, straight


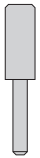
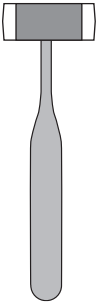
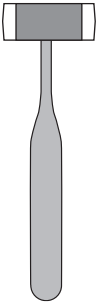
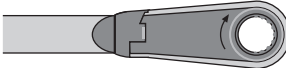
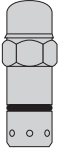
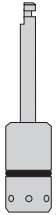
The IMZ®-TwinPlus BoneExpander Set includes the **IMZ®-TwinPlus Straight Seating Instrument** for optimal placement of the implant. An implant site is created with the ERE-/LMSF*-technique, which is not congruent and form-tight in all dimensions. Therefore, it is extremely important that the implant is placed directly.

* ERE: Edentulous Ridge Expansion
 LMSF: Localized Management of Sinus Floor



Implant placement

Instruments and Equipment

	Order No.	Article		
		Other instruments		
		IMZ®-TwinPlus Depth Gauge for Implants²		
	51 – 4042	– D 3.3		
	51 – 4041	– D 4		
	51 – 4043	IMZ®-TwinPlus Standard Seating Instrument for Cylinder Implants⁶		
	54 – 5532	IMZ®-TwinPlus Posterior Seating Instrument for Cylinder Implants⁶		
	54 – 5533	IMZ®-TwinPlus Straight Seating Instrument for Cylinder Implants⁶		
		51 – 4047	IMZ®-TwinPlus Paralleling Pin²	
			91 – 4510	IMZ®-TwinPlus Implant Mallet^{6/23}
			91 – 4515	IMZ®-TwinPlus Implant Forceps²
		IMZ®-TwinPlus Trephine Drill		
	51 – 4067	– D 3.3		
	51 – 4066	– D 4		
	51 – 4089	IMZ®-TwinPlus Instrument Set Torque Ratchet Torque Ratchet (three-stage), Ratchet Insert for Screw Implant, Screwdriver (blade 2.0 mm), Hex Driver (width 0.9 mm), two Seating Instruments for Titanium Insert and Titanium Connector		
	51 – 4090	IMZ®-TwinPlus Torque Ratchet⁶ with three defined torques: 8.5 Ncm, 14.5 Ncm, 18.0 Ncm		
	54 – 4011	IMZ®-TwinPlus Ratchet Insert for Screw Implant⁶		
		54 – 4013	IMZ®-TwinPlus Contra-angle Handpiece Insert for Screw Implant⁶	

Order No.	Article
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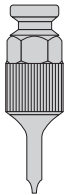


**IMZ®-TwinPlus Hex Driver
without torque limit⁶**
54 – 4016 – Width 0.9 mm

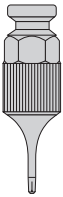
The 0.9 mm IMZ®-TwinPlus Hex Driver without torque limit is recommended for regions with limited access.



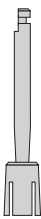
IMZ®-TwinPlus Hex Driver for Contra-angle Handpiece⁶
54 – 4017 – Width 0.9 mm



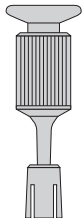
**IMZ®-TwinPlus Screwdriver⁶
for ratchet/manual**
51 – 4037 – Blade width 2.0 mm/short
54 – 4014 – Blade width 2.0 mm/long



**IMZ®-TwinPlus Hex Driver⁶
for ratchet/manual**
54 – 4015 – Width 0.9 mm



**IMZ®-TwinPlus PickUp Handpiece Screwdriver
for Placement Head⁶**



**IMZ®-TwinPlus PickUp Screwdriver
for Placement Head⁶**

IMZ®-TwinPlus Thread Tap
(for implant inner thread)

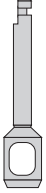





51 – 9002 – D 3.3
51 – 9001 – D 4

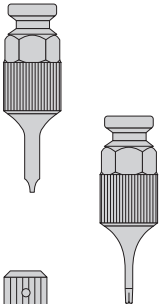
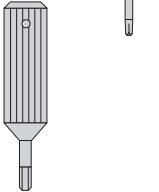

51 – 4045 **IMZ®-TwinPlus Implant Cleaning Instrument⁶**

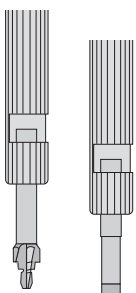


Uncovery/Impressions

Instruments and Equipment

	Order No.	Article
	51 – 4064	– D 3.3
	51 – 4065	– D 4
	59 – 9060	– D 3 (10 pieces)
	59 – 9065	– D 4 (10 pieces)
	59 – 9070	– D 5 (10 pieces)
	59 – 9075	– D 6 (10 pieces)
	54 – 4017	– Width 0.9 mm
	51 – 4037	– Blade width 2.0 mm/short
	54 – 4014	– Blade width 2.0 mm/long
	54 – 4015	– Width 0.9 mm
	51 – 4032	– D 3.3
	51 – 4033	– D 4


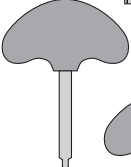
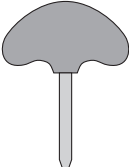

Order No.	Article
	IMZ®-TwinPlus Seating Instrument for Impression Coping⁶
51 – 4032	– D 3.3
51 – 4033	– D 4
	IMZ®-TwinPlus Screwdriver⁶ for ratchet/manual
51 – 4037	– Blade width 2.0 mm/short
	IMZ®-TwinPlus Hex Driver⁶ for ratchet/manual
54 – 4015	– Width 0.9 mm
	IMZ®-TwinPlus Hex Driver without torque limit⁶
54 – 4016	– Width 0.9 mm
<p>The 0.9 mm IMZ®-TwinPlus Hex Driver without torque limit is recommended for regions with limited access.</p>	

	Bridges
51 – 4004	IMZ®-TwinPlus Finisher for IMC Screw Head Seat^{6/10}
51 – 4006	IMZ®-TwinPlus Finisher Abutment Seat^{6/10}
51 – 4008	IMZ®-TwinPlus Finisher Set (2 pieces)
51 – 4099	IMZ®-TwinPlus Placement Tool⁶ for Threaded Titanium Sleeve (Precision Attachment)
51 – 1402	IMZ®-TwinPlus Paralleling Pin⁶ for Precision Attachment



Laboratory

Instruments and Equipment

	Order No.	Article
	51 – 1478	Attachment IMZ®-TwinPlus Cross Slot Screwdriver for Attachment Matrix⁶ for ratchet/manual
	51 – 1481	IMZ®-TwinPlus Activator for Attachment Matrix⁶
	51 – 1482	IMZ®-TwinPlus Deactivator for Attachment Matrix⁶
		<u>Bar</u>
	51 – 4083	IMZ®-TwinPlus Activator for Bar Clip⁶
		<u>Ceramic Abutments</u>
	54 – 5700	IMZ®-TwinPlus CeraBase Tool Set Contents: medium diamond drill, fine diamond drill, rubber polishing wheel
	54 – 5701	IMZ®-TwinPlus CeraBase Medium Diamond Drill
	54 – 5702	IMZ®-TwinPlus CeraBase Fine Diamond Drill
	54 – 5703	IMZ®-TwinPlus CeraBase Rubber Polishing Wheels (5 pieces)

Prosthetic delivery

Order No.	Article
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54 – 5035 **IMZ®-TwinPlus Prosthetic Instrument Set for Implants**
D 3.3/D 4

Contents:

IMZ®-TwinPlus Torque Ratchet⁶

with three defined torques:
8.5 Ncm, 14.5 Ncm, 18.0 Ncm

IMZ®-TwinPlus Seating Instrument for Titanium Insert⁶

for ratchet/manual

- D 3.3
- D 4

IMZ®-TwinPlus Seating Instrument for Titanium Connector⁶

for ratchet/manual

- D 3.3
- D 4

IMZ®-TwinPlus Screwdriver for Contra-angle Handpiece⁶

- Blade width 2.0 mm
- Blade width 2.5 mm

IMZ®-TwinPlus Hex Driver for Contra-angle Handpiece⁶

- Width 0.9 mm

IMZ®-TwinPlus Hex Driver⁶

for ratchet/manual

- Width 0.9 mm

IMZ®-TwinPlus Screwdriver⁶

- for ratchet/manual
- Blade width 2.0 mm/long
 - Blade width 2.0 mm/short

Implant Cleaning Instrument

Cross Slot Screwdriver for Attachment Patrx⁶

for ratchet/manual

Seating Instrument for Impression Coping⁶

- D 3.3
- D 4

IMZ®-TwinPlus Prosthetic Tray⁵

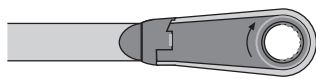




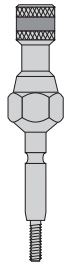
Prosthetic delivery

Instruments and Equipment

Order No.	Article
51 – 4089	IMZ®-TwinPlus Instrument Set Torque Ratchet Torque Ratchet (three-stage), Ratchet Insert for Screw Implant, Screwdriver (blade 2.0 mm), Hex Driver (width 0.9 mm), two Seating Instruments for Titanium Insert and Titanium Connector



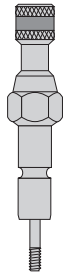
51 – 4090 **IMZ®-TwinPlus Torque Ratchet⁶**
 with three defined torques:
 8.5 Ncm, 14.5 Ncm, 18.0 Ncm



IMZ®-TwinPlus Seating Instrument for Titanium Insert⁶ for ratchet/manual

51 – 4087 – D 3.3

51 – 4088 – D 4



IMZ®-TwinPlus Seating Instrument for Titanium Connector⁶ for ratchet/manual

51 – 4095 – D 3.3

51 – 4094 – D 4

51 – 4080 **IMZ®-TwinPlus IME Positioning Set⁶**

51 – 4081 **IMZ®-TwinPlus IME Holder⁶**

51 – 4082 **IMZ®-TwinPlus IME Positioning Instrument⁶**

51 – 4040 **IMZ®-TwinPlus Screwdriver for Contra-angle Handpiece⁶**
 – Blade width 2.0 mm

54 – 4017 **IMZ®-TwinPlus Hex Driver for Contra-angle Handpiece⁶**
 – Width 0.9 mm



IMZ®-TwinPlus Screwdriver⁶ for ratchet/manual

51 – 4037 – Blade width 2.0 mm/short

54 – 4014 – Blade width 2.0 mm/long

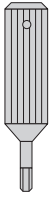


IMZ®-TwinPlus Hex Driver⁶⁰ for ratchet/manual

54 – 4015 – Width 0.9 mm



Order No.	Article
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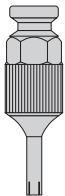


**IMZ®-TwinPlus Hex Driver
without torque limit⁶**
54 – 4016 – Width 0.9 mm

The 0.9 mm IMZ®-TwinPlus Hex Driver without torque limit is recommended for regions with limited access.

IMZ®-TwinPlus Thread Tap⁶
(for implant inner thread)

51 – 9002 – D 3.3
51 – 9001 – D 4



51 – 4045 **IMZ®-TwinPlus Implant Cleaning Instrument**

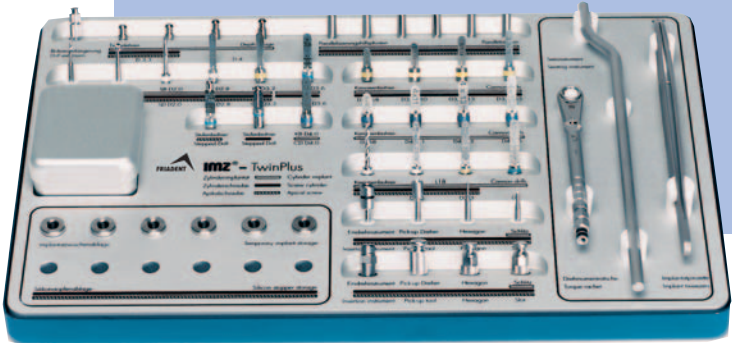
51 – 1478 **IMZ®-TwinPlus Cross Slot Screwdriver
also for Attachment Patrix⁶ for ratchet/manual**

Trays

Order No.	Article
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58 – 0004 **IMZ®-TwinPlus Surgical Tray⁵** (empty)
58 – 0024 **IMZ®-TwinPlus Prosthetic Tray⁵** (empty)
58 – 0031 **IMZ®-TwinPlus Implant Storage Box⁵** (empty)

All trays are delivered empty. The tray setup is for illustration purposes only.



Materials

Metals

Type	Index	Composition
Titan	1	Ti grade 1
Titan	2	Ti grade 2
Titan	3	Ti grade 4
Titan	4	Ti ₆ Al ₄ V
Aluminium	5	AlMg ₃
Stainless steel	6	DIN 1.4305
Brass	7	CuZn
Cast-to alloy*	8	Au: 60%, Pt: 19%, Pd: 20%, Ir: 1%
Gold alloy**	9	Au: 68,8%, Pt: 2,5%, Pd: 4%, Ag: 11,8%, Cu: 10,6%, Zn: 2,5%
Hard metal	10	K 40

* TEC $11.9 \times 10^{-6} \text{ K}^{-1}$, pre-heating temperature < 850°C, cast temperature < 1450°C

** melting interval from 800 – 990°C

Plastics

Type	Index
Polyoxymethylene	20
Polymethyl methacrylate	21
Polystyrene	22
Polytetrafluorethylene	23
Polyetheretherketone	24
Polyether imide	25
Silicone	26
Polycarbonate	27
Polypropylene	28

Ceramics

Typ	Index	Composition
Aluminium oxide	30	Al ₂ O ₃
Hydroxy apatite	31	Ca ₅ (PO ₄) ₃ OH

FRIADENT Class I Medical Devices 

In terms of the Directive 93/42/EEC Class I Medical Devices are:

- Non-active hand-held surgical and prosthetic instruments for implant placement and augmentation
- Components for impression technique, which do not remain in the patient's mouth
- Non-active components for the planning stage

FRIADENT Class IIa, IIb and III Medical Devices  **0123**

In terms of the Directive 93/42/EEC Class IIa, IIb and III Medical Devices are:

- Dental Implants, membranes, membrane nails as well as bone reconstruction materials
- Active surgical and prosthetic instruments for implant placement and augmentation
- Components for impression technique and prosthetic overdenture, which remain in the patient's mouth

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