



ADVANCED. ACCURATE. AFFORDABLE.





## ADVANCED. ACCURATE. AFFORDABLE.

ArtiZahn is an indigenously developed dental implant solutions brand conceived to empower dental practitioners with world-class solutions at world-beating prices. ArtiZahn is passionate about not just making lasting improvements in the field of dentistry but also making cutting-edge dental implants accessible to people across all strata of society. ArtiZahn is committed to doing so through the 3 As of ArtiZahn:



## **ARTIZAHN VISION**

To a make positive impact in the field of dentistry by

- Empowering dental physicians and practitioners with peerless solutions
- Promoting a culture of learning and exchange through continuous education and outreach initiatives
- Pursuing real and lasting improvements in dentistry with world-class solutions

#### **ARTIZAHN MISSION**

To make quality dental care accessible to all strata of society across geographies by providing advanced, accurate and affordable dental solutions to dental practitioners.

#### ArtiZahn implant testing

The ArtiZahn static and fatigue load capacity of dental implants vary according to clinical and technical parameters. Technical parameters consist of material selection and design of implant, abutment and prosthetic screw. The testing is conducted using "worst case" criteria according to standard ISO 14801:2016. The outstanding resistance of every ArtiZahn implant is tested and verified.

#### Selection of Material

Strength and biocompatibility are the key factors influencing the selection of material. Considering the same, the material used for dental implant, abutment and prosthetic screw is Titanium Grade 5 - ELI (Ti 6- Al 4- V alloy) confirming to standard ISO 5832-3.

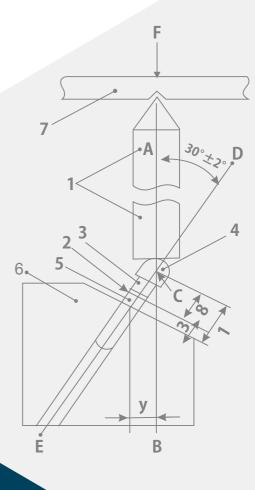
Form of alloy Tensile strength min. (Mpa)		Proof stress min. (Mpa)	Elongation after fracture min. (%)
Bar	860	780	10

#### Test Methods: Single Cycle (Static) Bend test:

This test helps to estimate the maximum endured load for fatigue testing. The test is conducted using the configuration given in standard ISO14801:2016 and dental implant assembly test samples. The test method measures the ultimate load, yield load and bending moment of dental implant assembly.

#### **Schematic Drawing of the Test Set Up**

- 1 Loading device
- 2 Nominal bone level
- 3 Implant abutment
- 4 Hemispherical loading member
- 5 Implant body
- 6 Specimen holder
- 7 Force application



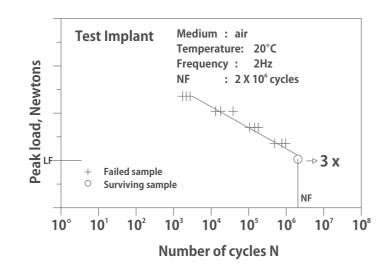
#### **Fatigue Test:**

This test method is intended to evaluate fatigue performance of dental implant assembly at 2 Hz frequency for 2 x 106cycles. The test is conducted in air at 200  $\pm$  100 C using the test fixture set up

#### **Artizahn Fatigue Testing**



#### **Load-Cycle Diagram:**

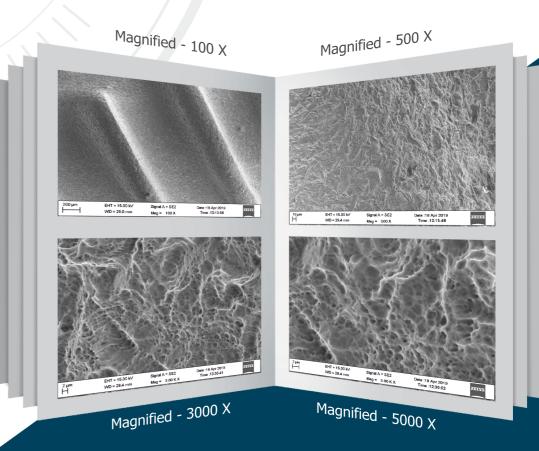


#### **8 REASONS TO SMILE WITH ARTIZAHN** Double Acid Etched and Self-tapping Easy Restoration Threads Lead Aluminium Threads Oxide Blasted Bone Condensing Spiral Internal Hex Titanium Property Grooves Connection Grade 5 ELI

# DISCOVER QUALITY. DISCOVER PEACE OF MIND.

ArtiZahn is an ISO-certified, CDSCO-approved dental implant system. ArtiZahn is driven by quality, so that you can use its products with absolute confidence. ArtiZahn combines the best of technology and processes in every aspect of its product cycle to deliver the finest quality solutions. From design to delivery, you can bank on ArtiZahn and discover peace of mind.

## **ARTIZAHN SURFACE TREATMENT**



## **ARTIZAHN DENTAL SOLUTIONS**

DIAMETER	Ø3.5	Ø3.75	Ø4.2	Ø5	Ø6
			6.25	6.25	6.25
	8	8	8	8	8
	10	10	10	10	10
LENGTH	11.5	11.5	11.5	11.5	11.5
	13	13	13	13	13
	16	16	16	16	
	18	18	18		

All sizes are in mm



How to unpack the 3-layer ArtiZahn implant box.



Ensure that the vellow. sterilisation dot is on top





Unpeel the cover gently





Use the special ArtiZahn driver to remove the implant and screw

#### S.H. PITKAR: PIONEERS OF IMPLANT MANUFACTURING IN INDIA

ArtiZahn is affiliated to S.H. Pitkar Orthotools Pvt. Ltd., a trusted brand in surgical implants across 29 cities in India and 40 countries globally. Since its inception in 1960, S. H. Pitkar is committed to making quality medical products accessible to all. S.H. Pitkar is equally committed to excellence in every aspect through the following measures:

- State-of-the-art manufacturing infrastructure at MIDC, Bhosari, Pune, Maharashtra
- Globally accepted standards like ISO certifications and SAP system for stringent quality checks
- Constant communication and training with surgical practitioners for innovative ideas and feedback



SWISS-STYLE CNC MACHINES



QUALITY CONTROL



FATIGUE TESTING MACHINE

## **Healing Abutments & Cover Screw**



N360000000 | Ti 6AI 4V ELI





N361003502 | Ti 6AI 4V ELI

Slim Healing Abutment 3.5mmD x 2mmL



N361003503 | Ti 6AI 4V ELI





N361003504 | Ti 6AI 4V ELI

Slim Healing Abutment 3.5mmD x 4mmL



N361003505 | Ti 6AI 4V ELI





N361003506 | Ti 6AI 4V ELI

Slim Healing Abutment 3.5mmD x 6mml



N362004502 | Ti 6AI 4V ELI





N362004503 | Ti 6AI 4V ELI

Healing Abutment 4.5mmD x 3mmL



N362004504 | Ti 6AI 4V ELI

Healing Abutment 4.5mmD x 4mmL



N362004505 | Ti 6AI 4V ELI

Healing Abutment 4.5mmD x 5mmL



N362004506 | Ti 6AI 4V ELI

Healing Abutment 4.5mmD x 6mmL



N363000602 | Ti 6AI 4V ELI

Wide Healing Abutment 6mmD x 2mmL



N363000603 | Ti 6AI 4V ELI

Wide Healing Abutment 6mmD x 3mmL



N363000604 | Ti 6AI 4V ELI

Wide Healing Abutment 6mmD x 4mmL



N363000605 | Ti 6AI 4V ELI

Wide Healing Abutment 6mmD x 5mmL

#### **Cement Retained**



N423031000 | Ti 6AI 4V ELI

**Slim Titanium Abutment 3mm** 



N356061000 | Ti 6AI 4V ELI



**Slim Titanium Abutment 6mm** 



N357081000 | Ti 6AI 4V ELI

Slim Titanium Abutment 8mm



N351001000 | Ti 6AI 4V ELI



N352011000 | Ti 6AI 4V ELI

**Straight Titanium Abutment 1mm** 



N353021000 | Ti 6AI 4V ELI

Straight Titanium Abutment - No End Line

**Straight Titanium Abutment 2mm** 



N354031000 | Ti 6AI 4V ELI

Straight Titanium Abutment 3mm



N355041000 | Ti 6AI 4V ELI

**Straight Titanium Abutment 4mm** 

#### **Cement Retained**



N424051000 | Ti 6AI 4V ELI

**Straight Titanium Abutment 5mm** 



N358121000 | Ti 6AI 4V ELI

Straight Titanium Abutment Long 12.5mm



N375011000 | Ti 6AI 4V ELI RS

**Esthetic Abutment 1mmL** 



N375021000 | Ti 6AI 4V ELI

**Esthetic Abutment 2mm** 



N375031000 | Ti 6AI 4V ELI

**Esthetic Abutment 3mmL** 



N384001000 | Ti 6AI 4V ELI

**Titanium Abutment 5.0 mmD Wide** 



N385001000 | Ti 6AI 4V ELI



N386001000 | Ti 6AI 4V ELI

**Engaging Straight Cylindrical Titanium Abutment 2 mm** 



N387001000 | Ti 6AI 4V ELI

Non Engaging Straight Cylindrical **Titanium Abutment 2mm** 

**Angled Titanium Abutment 15º** 

**Slim Angled Abutment** 

15° 1mm - No End Line

**Wide Profile Titanium Abutment** 



N388000000 | Ti 6AI 4V ELI

**One Piece Screw-in Abutment** 



N378001000 | Ti 6AI 4V ELI



N379001000 | Ti 6AI 4V ELI

Angled Titanium Abutment 15° - Long



N380011000 | Ti 6AI 4V ELI



N380021000 | Ti 6AI 4V ELI

Slim Angled Abutment 15° 2mm - No End Line



N380031000 | Ti 6AI 4V ELI





N382001000 | Ti 6AI 4V ELI

Angled Titanium Abutment 25°



N383001000 | Ti 6AI 4V ELI



N376015001 | Ti 6AI 4V ELI

**Esthetic Angled Titanium** Abutment 15°1mm



N376015002 | Ti 6AI 4V ELI

**Esthetic Angled Titanium** Abutment 15°2mm

Angled Titanium Abutment 35°



N376015003 | Ti 6AI 4V ELI

**Esthetic Angled Titanium** Abutment 15°3mm



N395001000 | Gold / POM



N396001000 | Ti 6AI 4V ELI/POM

**Engaging Titanium/Plastic Abutment** 



N397001000 | Ti 6AI 4V ELI/POM

Non Engaging Titanium/Plastic Abutment



N391001000 | POM

**Engaging Plastic Cylinder Casting Abutment** 



N392001000 | POM





N389001000 | POM

**Engaging Plastic Standard Abutment** 

#### **Cement Retained**



N390001000 | POM





N393001000 | POM

**Engaging Plastic Casting Standard Abutment** 



N394001000 | POM

**Engaging Plastic Cylinder Abutment** 

#### **Screw Retained - Multi Unit Abutments**



N398011000 | Ti 6AI 4V ELI





N398021000 | Ti 6AI 4V ELI

Straight Multi Unit Abutment 2mm



N398031000 | Ti 6AI 4V ELI

Straight Multi Unit Abutment 3mm

**Straight Multi Unit Abutment 5mm** 



N398041000 | Ti 6AI 4V ELI

**Straight Multi Unit Abutment 4mm** 



N398051000 | Ti 6AI 4V ELI



N399021017 | Ti 6AI 4V ELI

Angled Multi Unit Abutment 17° 2mm



N399031017 | Ti 6AI 4V ELI

**Angled Multi Unit** Abutment 17° 3mm



N400031030 | Ti 6AI 4V ELI

Angled Multi Unit Abutment 30° 3mm



N400041030 | Ti 6AI 4V ELI

Angled Multi Unit Abutment 30° 4mm



N400041045 | Ti 6AI 4V ELI

Angled Multi Unit Abutment 45° 4mm



N401001000 | Ti 6AI 4V ELI

**MU Healing Cap** 



**MU Titanium Temporary Cylinder** 

N402001000 | Ti 6AI 4V ELI



N403001000 | POM

**MU Plastic Casting Sleeve** w / Prosthetic Screw

**MU Open Tray Transfer** 



N404000000 | Ti 6AI 4V ELI



N405000000 | Ti 6AI 4V ELI



N406001000 | Ti 6AI 4V ELI RS

**MU Closed Tray Transfer** 

**MU Abutment Replica** 

<sup>\*</sup>The term "impression coping" has been amended to the term "transfer" (the terms are synonymous.) Please note that either term may appear in different documentation.

#### **Screw Retained - Flat Connection**



N414000002 | Ti 6AI 4V ELI

**Flat Connection Abutment 2mm** 

N414000004 | Ti 6AI 4V ELI

**Flat Connection Abutment 4mm** 



N415000000 | Ti 6AI 4V ELI

**Flat Connection Transfer** 



N416000000 | Ti 6AI 4V ELI

**Flat Connection Temporary Cylinder Sleeve** 



N417000000 | Stainless Steel

**Flat Connection Implant Replica** 



N418000000 | POM

**Flat Connection Castable Abutment** for Centering Ring



N419000000 | Ti 6AI 4V ELI

**Flat Connection Titanium Retaining Screw** 



N420000000 | Ti 6AI 4V ELI

**Flat Connection Titanium Gluing Ring** 



N421000000 | Ti 6AI 4V ELI **Flat Connection Long Laboratory Screw** 



N422000000 | Ti 6AI 4V ELI

**Flat Connection Centering Ring** 

#### **Ball Attachment - Overdentures**



N364000001 | Ti 6AI 4V ELI

Ball Attachment 1mm w / Hex



N364000002 | Ti 6AI 4V ELI

Ball Attachment 2mm w / Hex



N364000003 | Ti 6AI 4V ELI





364000004 | Ti 6AI 4V ELI

Ball Attachment 4mm w / Hex



N364000005 | Ti 6AI 4V ELI





N364000006 | Ti 6AI 4V ELI

Ball Attachment 6mm w / Hex



N367000000 | Nylon



N368000000 | Nylon



Plastic Ball Cap Pink - Soft



N365000000 | Ti 6AI 4V ELI



N366000000 | Stainless Steel

**Titanium Ball Cap** 

**Plastic Ball Cap - White** 



Stainless Steel Ball Cap

## **Analogs**



N369000000 | Stainless Steel

**Internal Hex Implant Analog** 



N370000000 | Stainless Steel

**Ball Attachment Abutment Replica** 

## **Transfers / Impression Coping**



N371003610 | Ti 6AI 4V ELI

Open Tray Slim Transfer 3.6mmDx10mml



N371003614 | Ti 6AI 4V ELI

Open Tray Slim Transfer 3.6mmDx14mmL



N372004510 | Ti 6AI 4V ELI

Open Tray Transfer 4.5mmDx10mmL



N372004514 | Ti 6AI 4V ELI

Open Tray Transfer 4.5mmDx14mml



N373003509 | Ti 6AI 4V ELI

Slim Closed Tray Transfer 3.5mmDx9mmL



N374004509 | Ti 6AI 4V ELI

Closed Tray Transfer 4.5mmDx9mmL



N373003513 | Ti 6AI 4V ELI

**Slim Closed Tray Transfer** 3.5mmDx13mml



N374004513 | Ti 6AI 4V ELI

Closed Tray Transfer 4.5mmDx13mmL

#### **Retrieval Screw**



N413000000 | Ti 6AI 4V ELI

**Retrieval Screw For Abutment** 

#### **Screws**



N360000000 | Ti 6AI 4V ELI

**Implant Cover Screw** 



N359000000 | Ti 6AI 4V ELI

Prosthetic Screw Dia 2.1 X 9.5 mm



N381000000 | Ti 6AI 4V ELI Short Prosthetic Screw Dia 2.1 X 8.2 mm

N412000000 | Ti 6AI 4V ELI



N377000000 | Ti 6AI 4V ELI

**Angled Titanium Abutment Screw** dia 2.4 X 8.2 mm



**Retaining Screw For Angled Multi Unit Abutment** 

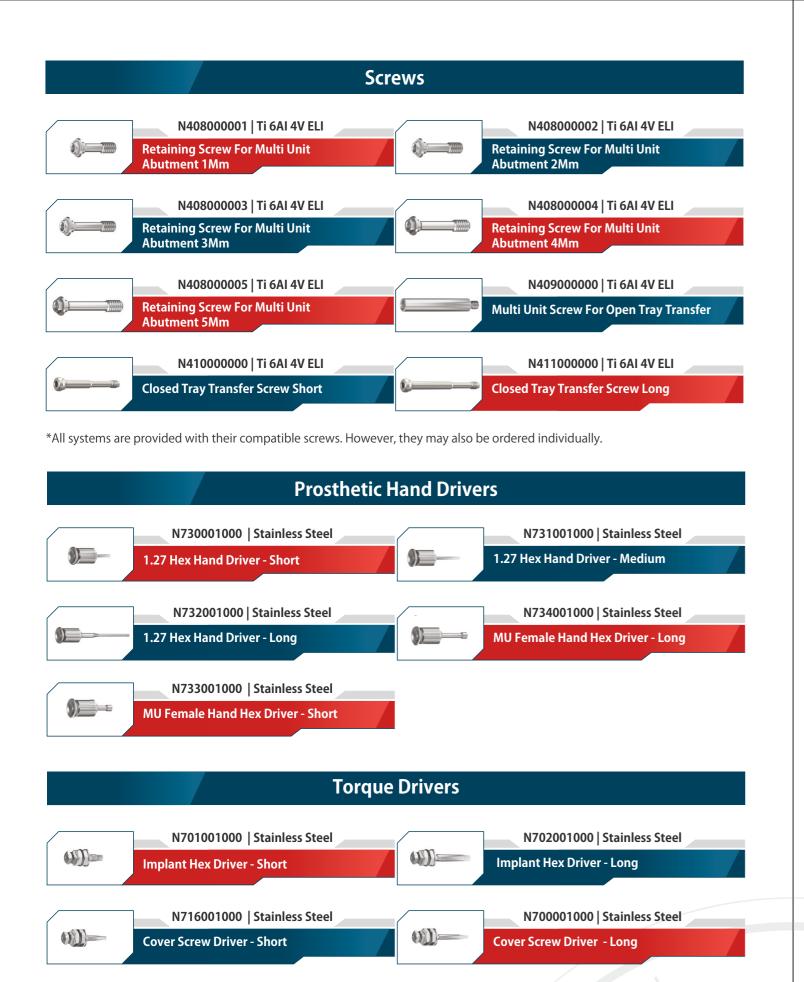


N407000000 | Ti 6AI 4V ELI

**Multi Unit Prosthetic Screw** 

<sup>\*</sup>Transfer can be tightened by Hex Driver.

<sup>\*</sup>Transfer will be chosen by length and width according to the planed prosthetic treatment and according to the interocclusal distance



## **Torque Drivers**



N717001000 | Stainless Steel





N718001000 | Stainless Steel

**MU Hex Torque Driver - Short** 



N719001000 | Stainless Steel

**MU Hex Torque Driver - Long** 

### **Handpiece Drivers and Adapters**



N720241000 | Stainless Steel

Hex Handpiece Adapter - Short 24 mm



N720291000 | Stainless Steel

Hex Handpiece Adapter - Medium 29 mm



N720361000 | Stainless Steel

Hex Handpiece Adapter - Long 36 mm



N722201000 | Stainless Steel

2.4 Hex Handpiece Adapter - Short 20 mm



N722251000 | Stainless Steel



N721000025 | Stainless Steel

1.27 Hex Driver for Handpiece - Short



N721000030 | Stainless Steel





N735000000 | Stainless Steel

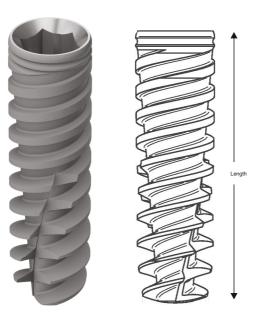
**MU Hex Handpiece Adapter - Short** 



N736000000 | Stainless Steel

MU Hex Handpiece Adapter - Long

# **Implant Sizes**



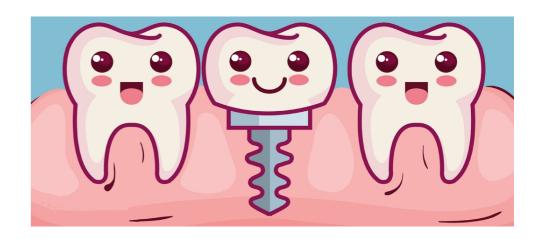


Note: All Dimentions are in mm. Ø = Diameter. Ø X Length is the format for identification of size of implants.

Sr no	Part no	Part name
1	N350135008	ArtiZahn Actif Dental implant Ø3.5x8mm
2	N350135010	ArtiZahn Actif Dental implant Ø3.5x10mm
3	N350135115	ArtiZahn Actif Dental implant Ø3.5x11.5m
4	N350135013	ArtiZahn Actif Dental implant Ø3.5x13mm
5	N350135016	ArtiZahn Actif Dental implant Ø3.5x16mm
6	N350135018	ArtiZahn Actif Dental implant Ø3.5x18mm
7	N350138008	ArtiZahn Actif Dental implant Ø3.75x8mm
8	N350138010	ArtiZahn Actif Dental implant Ø3.75x10mm
9	N350138115	ArtiZahn Actif Dental implant Ø3.75x11.5mm
10	N350138013	ArtiZahn Actif Dental implant Ø3.75x13mm
11	N350138016	ArtiZahn Actif Dental implant Ø3.75x16mm
12	N350138018	ArtiZahn Actif Dental implant Ø3.75x18mm
13	N350142006	ArtiZahn Actif Dental implant Ø4.2x6mm
14	N350142008	ArtiZahn Actif Dental implant Ø4.2x8mm
15	N350142010	ArtiZahn Actif Dental implant Ø4.2x10mm
16	N350142115	ArtiZahn Actif Dental implant Ø4.2x11.5mm
17	N350142013	ArtiZahn Actif Dental implant Ø4.2x13mm
18	N350142016	ArtiZahn Actif Dental implant Ø4.2x16mm
19	N350142018	ArtiZahn Actif Dental implant Ø4.2x18mm
20	N350150006	ArtiZahn Actif Dental implant Ø5.0x6mm

# **Implant Sizes**

21	N350150008	ArtiZahn Actif Dental implant Ø5.0x8mm
22	N350150010	ArtiZahn Actif Dental implant Ø5.0x10mm
23	N350150115	ArtiZahn Actif Dental implant Ø5.0x11.5mm
24	N350150013	ArtiZahn Actif Dental implant Ø5.0x13mm
25	N350150016	ArtiZahn Actif Dental implant Ø5.0x16mm
26	N350160006	ArtiZahn Actif Dental implant Ø6.0x6mm
27	N350160008	ArtiZahn Actif Dental implant Ø6.0x8mm
28	N350160010	ArtiZahn Actif Dental implant Ø6.0x10mm
29	N350160115	ArtiZahn Actif Dental implant Ø6.0x11.5mm
30	N350160013	ArtiZahn Actif Dental implant Ø6.0x13mm



Better Teeth Better Health

# Other Instruments



Sr No	Part No	Part Name
1	N703000011	Parallel Pin 11 mm
2	N703000016	Parallel Pin 16 mm







3	N712001000	Attachment holder A/F 4.85mm for torque wrench
4	N713001000	Attachment holder A/F 6.4mm for torque wrench
5	N714001000	Attachment holder A/F 4.1mm for torque wrench



6	N723002328	Twist step drill Ø2.3/2.8 x length 8-18mm
7	N724002832	Twist step drill Ø2.8/3.2 x length 8-18mm
8	N725003236	Twist step drill Ø3.2/3.6 X length 8-18mm
9	N726003842	Twist step drill Ø3.8/4.2 X length 8-18mm
10	N739004246	Twist Step Drill dia 4.2/4.6 X Length 8-18 mm
11	N727004852	Twist Step Drill Dia 4.8/5.2 X Length 8-18 mm
12	N728005256	Twist Step Drill Dia 5.2/5.6 X Length 8-18 mm
13	N729000020	Twist Drill Dia 2 X Length 8-18 mm



14	N738000035	Tap For Dia 3.5 mm Dental Implant
15	N738000038	Tap For Dia 3.75 mm Dental Implant
16	N738000042	Tap For Dia 4.2 mm Dental Implant
17	N738000050	Tap For Dia 5 mm Dental Implant
18	N738000060	Tap For Dia 6 mm Dental Implant

# Other Instruments



19	N745000000	Center drill Ø2x20mm
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20	N746004035	Cortical drill Ø3.5x31mm
21	N748000038	Cortical drill Ø3.75 x31mm
22	N749000042	Cortical drill Ø4.2 x31mm
23	N750000050	Cortical drill Ø5.0 x31mm
24	N752000060	Cortical drill ø6.0 x 31 mm.





	25	N751020625	Stopper 2.0x6.25mm
	26	N751002008	Stopper 2.0x8mm
l	27	N751002010	Stopper 2.0x10mm
	28	N751020115	Stopper 2.0x11.5mm
	29	N751002013	Stopper 2.0x13mm
	30	N751002016	Stopper 2.0x16mm
	31	N751028625	Stopper 2.8x6.25mm
	32	N751002808	Stopper 2.8x8mm
	33	N751002810	Stopper 2.8x10mm
	34	N751028115	Stopper 2.8x11.5mm
	35	N751002812	Stopper 2.8x13mm
	36	N751002816	Stopper 2.8x16mm
	37	N751032625	Stopper 3.2x6.25mm
	38	N751003208	Stopper 3.2x8mm
	39	N751003210	Stopper 3.2x10mm
	40	N751032115	Stopper 3.2x11.5mm
	41	N751003213	Stopper 3.2x13mm
	42	N751003216	Stopper 3.2x16mm
	43	N751036625	Stopper 3.6x6.25mm
	44	N751003608	Stopper 3.6x8mm
	45	N751003610	Stopper 3.6x10mm
	46	N751036115	Stopper 3.6x11.5mm
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## Other Instruments

47	N751003613	Stopper 3.6x13mm
48	N751003616	Stopper 3.6x16mm
49	N751042625	Stopper 4.2x6.25mm
50	N751004208	Stopper 4.2x8mm
51	N751004210	Stopper 4.2x10mm
52	N751042115	Stopper 4.2x11.5mm
53	N751004213	Stopper 4.2x13mm
54	N751004216	Stopper 4.2x16mm
55	N751046625	Stopper 4.6x6.25mm
56	N751004608	Stopper 4.6x8mm
57	N751004610	Stopper 4.6x10mm
58	N751046115	Stopper 4.6x11.5mm
59	N751004613	Stopper 4.6x13mm
60	N751004616	Stopper 4.6x16mm
61	N751052625	Stopper 5.2x6.25mm
62	N751005208	Stopper 5.2x8mm
63	N751005210	Stopper 5.2x10mm
64	N751052115	Stopper 5.2x11.5mm
65	N751005213	Stopper 5.2x13mm
66	N751005216	Stopper 5.2x16mm
67	N751056625	Stopper 5.6x6.25mm
68	N751005608	Stopper 5.6x8mm
69	N751005610	Stopper 5.6x10mm
70	N751056115	Stopper 5.6x11.5mm
71	N751005613	Stopper 5.6x13mm
72	N751005616	Stopper 5.6x16mm



73	N811001000	Torque Wrench	

## Other Instruments



74	N737000000	Depth Gauge

75	N740001000	Drill Extension
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76 N813010000 INSTRUMENT SET FOR ARTIZAHN



S.H. Pitkar Orthotools Pvt. Ltd.

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