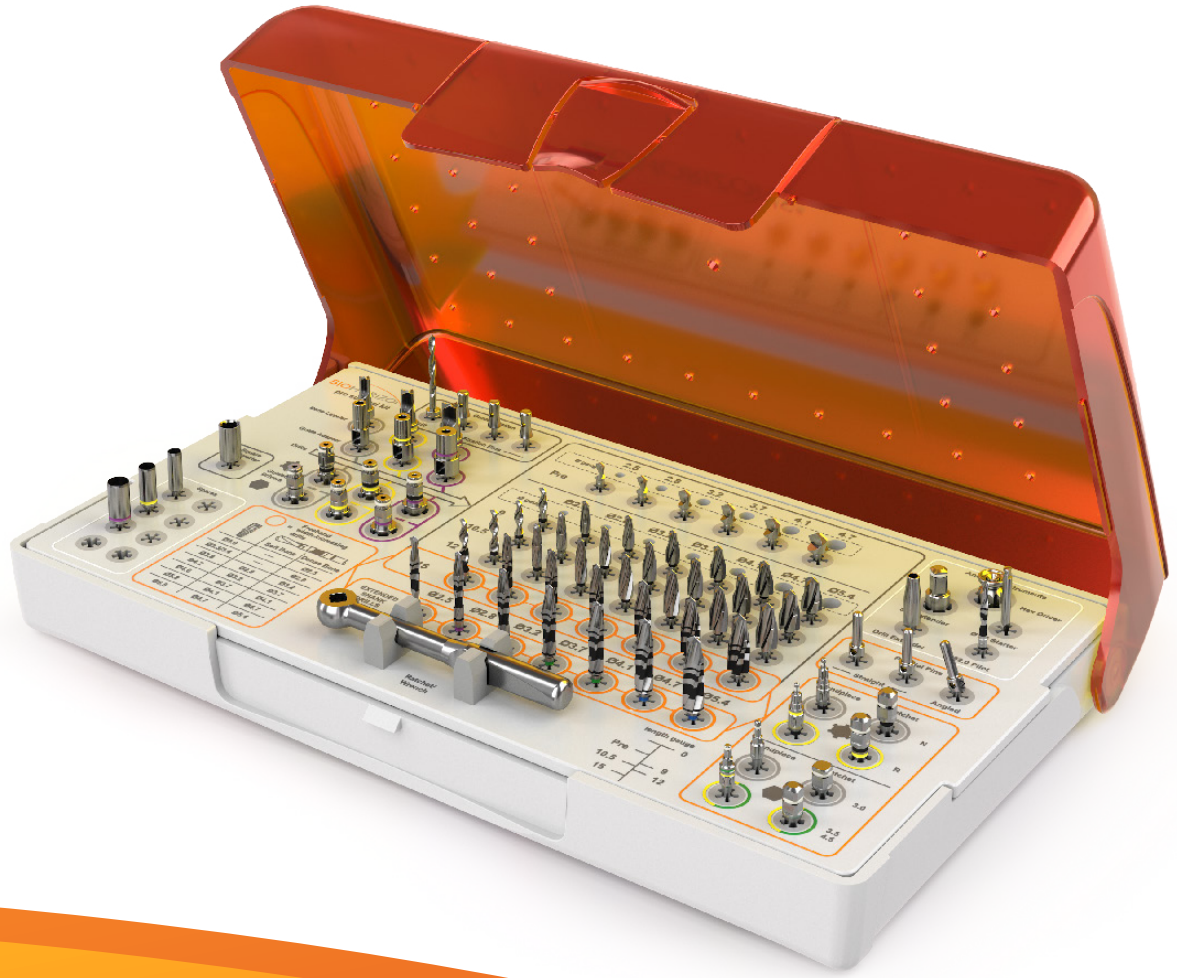


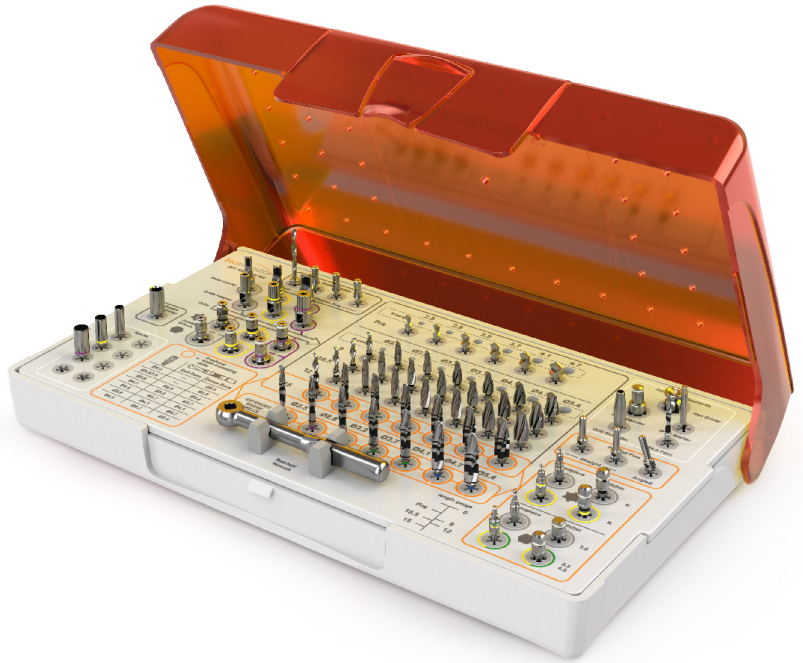
Pro Guided Surgery

compatibility specifications

BIOHORIZONS®

the BioHorizons guided surgery system

The BioHorizons Pro guided surgery system offers an innovative workflow that supports a streamlined, keyless guided implant placement and traditional freehand protocols in a single kit. In either workflow, the drilling protocols allow for easy undersizing of the osteotomy when working in soft bone.



perfect fit for precise implant placement

The PRO5000 surgical kit can be used to place the Tapered family of implants including: Tapered Pro Conical, Tapered Pro, Internal, Plus and 3.0 implants.

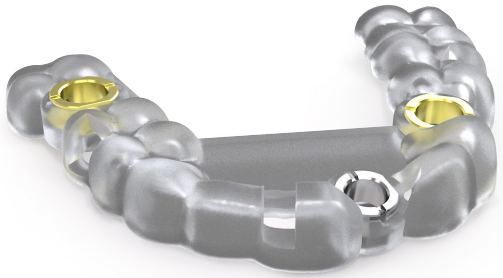


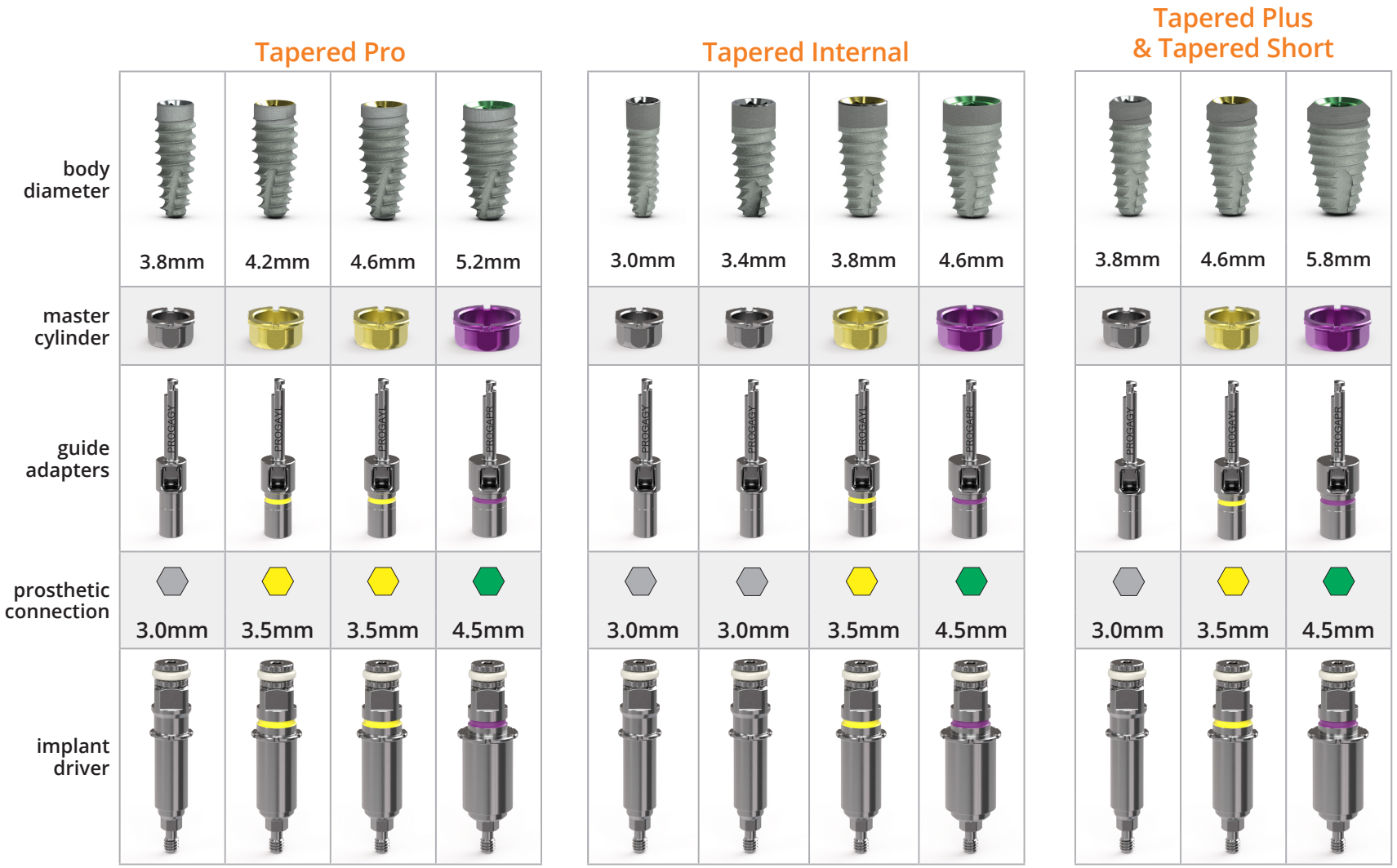
table of contents

Tapered Family Guided Specifications

color coding

BioHorizons Tapered family implants can be used in guided surgery protocols with the PRO5000 kit and associated instruments. The BioHorizons guided workflow is designed for fully guided placement of bone level implants.

A color-coding system is used to easily identify the appropriate instruments for a given surgical sequence. The master cylinders are designed to engage with surgical instruments and drivers to ensure the surgical protocol produces the planned result. The combination of drill lengths and offsets provide a protocol for placement of various implant lengths.



Tapered Family Guided Specifications

color coding

BioHorizons Tapered family implants can be used in guided surgery protocols with the PRO5000 kit and associated instruments. The BioHorizons guided workflow is designed for fully guided placement of bone level implants.

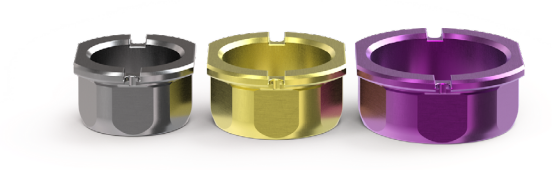
A color-coding system is used to easily identify the appropriate instruments for a given surgical sequence. The master cylinders are designed to engage with surgical instruments and drivers to ensure the surgical protocol produces the planned result. The combination of drill lengths and offsets provide a protocol for placement of various implant lengths.

Tapered Pro Conical & Tapered Short Conical

body diameter	3.3mm	3.8mm	3.8mm	4.2mm	4.6mm	5.2mm
master cylinder						
guide adapters						
prosthetic connection	Narrow	Narrow	Regular	Regular	Regular	Regular
implant driver						

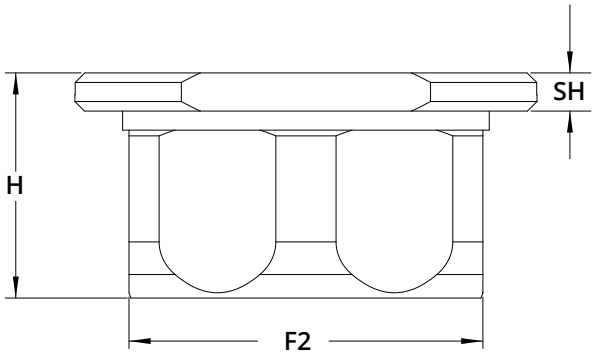
Tapered Family Guided Specifications

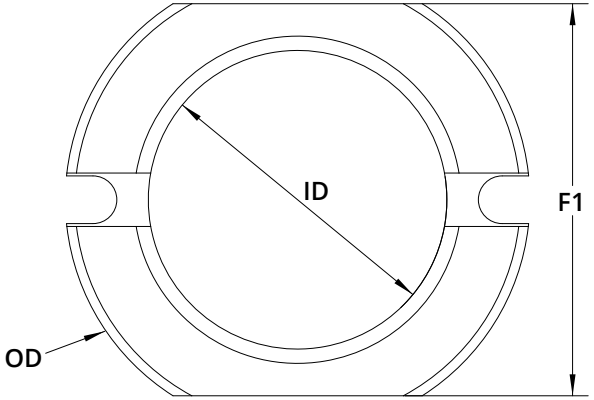
master cylinders

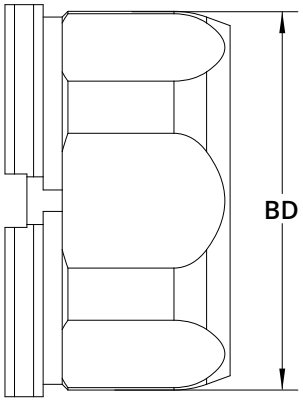


Master Cylinders (pack of 10)

PROMCGY-10	Pro Master Cylinder, Grey (pack of 10)
PROMCYL-10	Pro Master Cylinder, Yellow (pack of 10)
PROMCPR-10	Pro Master Cylinder, Purple (pack of 10)





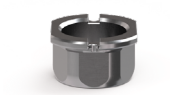


Part Number	Height (H)	Shoulder Height (SH)	Body Outer Diameter (BD)	Top Outer Diameter (OD)	Inner Diameter (ID)	Flat to Flat (F1)	Hex Flat to Flat (F2)
PROMCGY	3.00mm	0.51mm	Ø5.04mm	Ø6.18mm	Ø3.97mm	5.22mm	4.71mm
PROMCYL			Ø5.88mm	Ø7.02mm	Ø4.81mm	6.06mm	5.55mm
PROMCPR			Ø7.10mm	Ø8.24mm	Ø6.03mm	7.28mm	6.77mm

Tapered Family Guided Specifications

surgical protocols

Please reference the following information to identify the correct protocol for guided placement of the Tapered family implants with the PRO5000 instruments. For select implants, the final drill is an optional step in the sequence, to be used for dense bone preparation. The cells for these drills are marked in orange.



	Pro Master Cylinder, Grey (PROMCGY-10)									
	Diameter	Length	Bone Leveler	Guide Adapter	Drill 1	Drill 2	Drill 3	Drill 4	Drill 5	Implant Driver
Tapered Internal	3.0mm	10.5mm	Grey	Grey	Ø2.5 – PRE	Ø2.5 x 9.0mm	Ø2.5 x 10.5mm			Hex Grey
		12.0mm	Grey	Grey	Ø2.5 – PRE	Ø2.5 x 9.0mm	Ø2.5 x 12.0mm			Hex Grey
		15.0mm	Grey	Grey	Ø2.5 – PRE	Ø2.5 x 9.0mm	Ø2.5 x 12.0mm	Ø2.5 x 15.0mm		Hex Grey
Tapered Pro Conical	3.3mm	9.0mm	Grey	Grey	Ø2.5 – PRE	Ø2.5 x 9.0mm	Ø2.8 x 9.0mm			Conical Grey
		10.5mm	Grey	Grey	Ø2.5 – PRE	Ø2.5 x 9.0mm	Ø2.5 x 10.5mm	Ø2.8 x 10.5mm		Conical Grey
		12.0mm	Grey	Grey	Ø2.5 – PRE	Ø2.5 x 9.0mm	Ø2.5 x 12.0mm	Ø2.8 x 12.mm		Conical Grey
		15.0mm	Grey	Grey	Ø2.5 – PRE	Ø2.5 x 9.0mm	Ø2.5 x 12.0mm	Ø2.5 x 15.0mm	Ø2.8 x 15.0mm	Conical Grey
Tapered Internal	3.4mm	9.0mm	Grey	Grey	Ø2.5 – PRE	Ø2.5 x 9.0mm	Ø2.8 x 9.0mm			Hex Grey
		10.5mm	Grey	Grey	Ø2.5 – PRE	Ø2.5 x 9.0mm	Ø2.5 x 10.5mm	Ø2.8 x 10.5mm		Hex Grey
		12.0mm	Grey	Grey	Ø2.5 – PRE	Ø2.5 x 9.0mm	Ø2.5 x 12.0mm	Ø2.8 x 12.mm		Hex Grey
		15.0mm	Grey	Grey	Ø2.5 – PRE	Ø2.5 x 9.0mm	Ø2.5 x 12.0mm	Ø2.5 x 15.0mm	Ø2.8 x 15.0mm	Hex Grey
Tapered Pro Conical	3.8mm	9.0mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø3.2 x 9.0mm			Conical Grey
		10.5mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 10.5mm	Ø3.2 x 10.5mm		Conical Grey
		12.0mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 12.0mm	Ø3.2 x 12.0mm		Conical Grey
		15.0mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 12.0mm	Ø2.8 x 15.0mm	Ø3.2 x 15.0mm	Conical Grey
Tapered Pro	3.8mm	9.0mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø3.2 x 9.0mm			Hex Grey
		10.5mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 10.5mm	Ø3.2 x 10.5mm		Hex Grey
		12.0mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 12.0mm	Ø3.2 x 12.0mm		Hex Grey
		15.0mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 12.0mm	Ø2.8 x 15.0mm	Ø3.2 x 15.0mm	Hex Grey
Tapered Plus	3.8mm	9.0mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø3.2 x 9.0mm			Hex Grey
		10.5mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 10.5mm	Ø3.2 x 10.5mm		Hex Grey
		12.0mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 12.0mm	Ø3.2 x 12.0mm		Hex Grey
		15.0mm	Grey	Grey	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 12.0mm	Ø2.8 x 15.0mm	Ø3.2 x 15.0mm	Hex Grey

Tapered Family Guided Specifications

surgical protocols

Please reference the following information to identify the correct protocol for guided placement of the Tapered family implants with the PRO5000 instruments.
For select implants, the final drill is an optional step in the sequence, to be used for dense bone preparation. The cells for these drills are marked in orange.

	Pro Master Cylinder, Yellow (PROMCYL-10)									
	Diameter	Length	Bone Leveler	Guide Adapter	Drill 1	Drill 2	Drill 3	Drill 4	Drill 5	Implant Driver
Tapered Internal	3.8mm	9.0mm	Yellow	Yellow	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø3.2 x 9.0mm			Hex Yellow
		10.5mm	Yellow	Yellow	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 10.5mm	Ø3.2 x 10.5mm		Hex Yellow
		12.0mm	Yellow	Yellow	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 12.0mm	Ø3.2 x 12.0mm		Hex Yellow
		15.0mm	Yellow	Yellow	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 12.0mm	Ø2.8 x 15.0mm	Ø3.2 x 15.0mm	Hex Yellow
Tapered Pro Conical	3.8mm	9.0mm	Yellow	Yellow	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø3.2 x 9.0mm			Conical Yellow
		10.5mm	Yellow	Yellow	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 10.5mm	Ø3.2 x 10.5mm		Conical Yellow
		12.0mm	Yellow	Yellow	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 12.0mm	Ø3.2 x 12.0mm		Conical Yellow
		15.0mm	Yellow	Yellow	Ø2.8 – PRE	Ø2.8 x 9.0mm	Ø2.8 x 12.0mm	Ø2.8 x 15.0mm	Ø3.2 x 15.0mm	Conical Yellow
Tapered Short Conical	4.2mm	7.5mm	Yellow	Yellow	Ø2.5 – PRE	Ø3.2 x 7.5mm	Ø3.7 x 7.5mm			Conical Yellow
Tapered Pro Conical	4.2mm	9.0mm	Yellow	Yellow	Ø3.2 – PRE	Ø3.2 x 9.0mm	Ø3.7 x 9.0mm			Conical Yellow
		10.5mm	Yellow	Yellow	Ø3.2 – PRE	Ø3.2 x 9.0mm	Ø3.2 x 10.5mm	Ø3.7 x 10.5mm		Conical Yellow
		12.0mm	Yellow	Yellow	Ø3.2 – PRE	Ø3.2 x 9.0mm	Ø3.2 x 12.0mm	Ø3.7 x 12.0mm		Conical Yellow
		15.0mm	Yellow	Yellow	Ø3.2 – PRE	Ø3.2 x 9.0mm	Ø3.2 x 12.0mm	Ø3.2 x 15.0mm	Ø3.7 x 15.0mm	Conical Yellow
Tapered Pro	4.2mm	9.0mm	Yellow	Yellow	Ø3.2 – PRE	Ø3.2 x 9.0mm	Ø3.7 x 9.0mm			Hex Yellow
		10.5mm	Yellow	Yellow	Ø3.2 – PRE	Ø3.2 x 9.0mm	Ø3.2 x 10.5mm	Ø3.7 x 10.5mm		Hex Yellow
		12.0mm	Yellow	Yellow	Ø3.2 – PRE	Ø3.2 x 9.0mm	Ø3.2 x 12.0mm	Ø3.7 x 12.0mm		Hex Yellow
		15.0mm	Yellow	Yellow	Ø3.2 – PRE	Ø3.2 x 9.0mm	Ø3.2 x 12.0mm	Ø3.2 x 15.0mm	Ø3.7 x 15.0mm	Hex Yellow

Tapered Family Guided Specifications

surgical protocols

Please reference the following information to identify the correct protocol for guided placement of the Tapered family implants with the PRO5000 instruments. For select implants, the final drill is an optional step in the sequence, to be used for dense bone preparation. The cells for these drills are marked in orange.

	Pro Master Cylinder, Yellow (PROMCYL-10)									
	Diameter	Length	Bone Leveler	Guide Adapter	Drill 1	Drill 2	Drill 3	Drill 4	Drill 5	Implant Driver
Tapered Short Conical	4.6mm	7.5mm	Yellow	Yellow	Ø2.8 – PRE	Ø3.7 x 7.5mm	Ø4.1 x 7.5mm			Conical Yellow
Tapered Pro Conical	4.6mm	9.0mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø4.1 x 9.0mm			Conical Yellow
		10.5mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 10.5mm	Ø4.1 x 10.5mm		Conical Yellow
		12.0mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 12.0mm	Ø4.1 x 12.0mm		Conical Yellow
		15.0mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 12.0mm	Ø3.7 x 15.0mm	Ø4.1 x 15.0mm	Conical Yellow
Tapered Pro	4.6mm	9.0mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø4.1 x 9.0mm			Hex Yellow
		10.5mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 10.5mm	Ø4.1 x 10.5mm		Hex Yellow
		12.0mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 12.0mm	Ø4.1 x 12.0mm		Hex Yellow
		15.0mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 12.0mm	Ø3.7 x 15.0mm	Ø4.1 x 15.0mm	Hex Yellow
Tapered Short	4.6mm	6.0mm	Yellow	Yellow	Ø2.5 – PRE	Ø3.7 x 6.0mm	Ø4.1 x 6.0mm			Hex Yellow
		7.5mm	Yellow	Yellow	Ø2.8 – PRE	Ø3.7 x 7.5mm	Ø4.1 x 7.5mm			Hex Yellow
Tapered Plus	4.6mm	9.0mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø4.1 x 9.0mm			Hex Yellow
		10.5mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 10.5mm	Ø4.1 x 10.5mm		Hex Yellow
		12.0mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 12.0mm	Ø4.1 x 12.0mm		Hex Yellow
		15.0mm	Yellow	Yellow	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 12.0mm	Ø3.7 x 15.0mm	Ø4.1 x 15.0mm	Hex Yellow

Tapered Family Guided Specifications

surgical protocols

Please reference the following information to identify the correct protocol for guided placement of the Tapered family implants with the PRO5000 instruments.
For select implants, the final drill is an optional step in the sequence, to be used for dense bone preparation. The cells for these drills are marked in orange.

	Pro Master Cylinder, Purple (PROMCPR-10)									
	Diameter	Length	Bone Leveler	Guide Adapter	Drill 1	Drill 2	Drill 3	Drill 4	Drill 5	Implant Driver
Tapered Internal	4.6mm	9.0mm	Purple	Purple	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø4.1 x 9.0mm			Hex Purple
		10.5mm	Purple	Purple	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 10.5mm	Ø4.1 x 10.5mm		Hex Purple
		12.0mm	Purple	Purple	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 12.0mm	Ø4.1 x 12.0mm		Hex Purple
		15.0mm	Purple	Purple	Ø3.7 – PRE	Ø3.7 x 9.0mm	Ø3.7 x 12.0mm	Ø3.7 x 15.0mm	Ø4.1 x 15.0mm	Hex Purple
Tapered Short Conical	5.2mm	7.5mm	Purple	Purple	Ø3.2 - PRE	Ø4.1 x 7.5mm	Ø4.7 x 7.5mm			Conical Purple
Tapered Pro Conical	5.2mm	9.0mm	Purple	Purple	Ø4.1 – PRE	Ø4.1 x 9.0mm	Ø4.7 x 9.0mm			Conical Purple
		10.5mm	Purple	Purple	Ø4.1 – PRE	Ø4.1 x 9.0mm	Ø4.1 x 10.5mm	Ø4.7 x 10.5mm		Conical Purple
		12.0mm	Purple	Purple	Ø4.1 – PRE	Ø4.1 x 9.0mm	Ø4.1 x 12.0mm	Ø4.7 x 12.0mm		Conical Purple
		15.0mm	Purple	Purple	Ø4.1 – PRE	Ø4.1 x 9.0mm	Ø4.1 x 12.0mm	Ø4.1 x 15.0mm	Ø4.7 x 15.0mm	Conical Purple
Tapered Pro	5.2mm	9.0mm	Purple	Purple	Ø4.1 – PRE	Ø4.1 x 9.0mm	Ø4.7 x 9.0mm			Hex Purple
		10.5mm	Purple	Purple	Ø4.1 – PRE	Ø4.1 x 9.0mm	Ø4.1 x 10.5mm	Ø4.7 x 10.5mm		Hex Purple
		12.0mm	Purple	Purple	Ø4.1 – PRE	Ø4.1 x 9.0mm	Ø4.1 x 12.0mm	Ø4.7 x 12.0mm		Hex Purple
		15.0mm	Purple	Purple	Ø4.1 – PRE	Ø4.1 x 9.0mm	Ø4.1 x 12.0mm	Ø4.1 x 15.0mm	Ø4.7 x 15.0mm	Hex Purple
Tapered Short	5.8mm	6.0mm	Purple	Purple	Ø2.5 – PRE	Ø4.7 x 6.0mm	Ø5.4 x 6.0mm			Hex Purple
		7.5mm	Purple	Purple	Ø3.7 – PRE	Ø4.7 x 7.5mm	Ø5.4 x 7.5mm			Hex Purple
Tapered Plus	5.8mm	9.0mm	Purple	Purple	Ø4.7 – PRE	Ø4.7 x 9.0mm	Ø5.4 x 9.0mm			Hex Purple
		10.5mm	Purple	Purple	Ø4.7 – PRE	Ø4.7 x 9.0mm	Ø4.7 x 10.5mm	Ø5.4 x 10.5mm		Hex Purple
		12.0mm	Purple	Purple	Ø4.7 – PRE	Ø4.7 x 9.0mm	Ø4.7 x 12.0mm	Ø5.4 x 12.0mm		Hex Purple
		15.0mm	Purple	Purple	Ø4.7 – PRE	Ø4.7 x 9.0mm	Ø4.7 x 12.0mm	Ø4.7 x 15.0mm	Ø5.4 x 15.0mm	Hex Purple

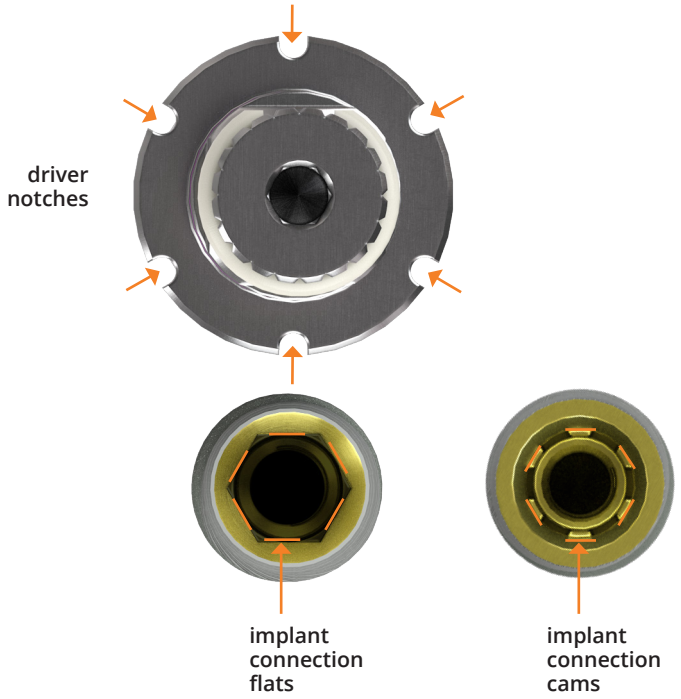
Tapered Family Guided Specifications

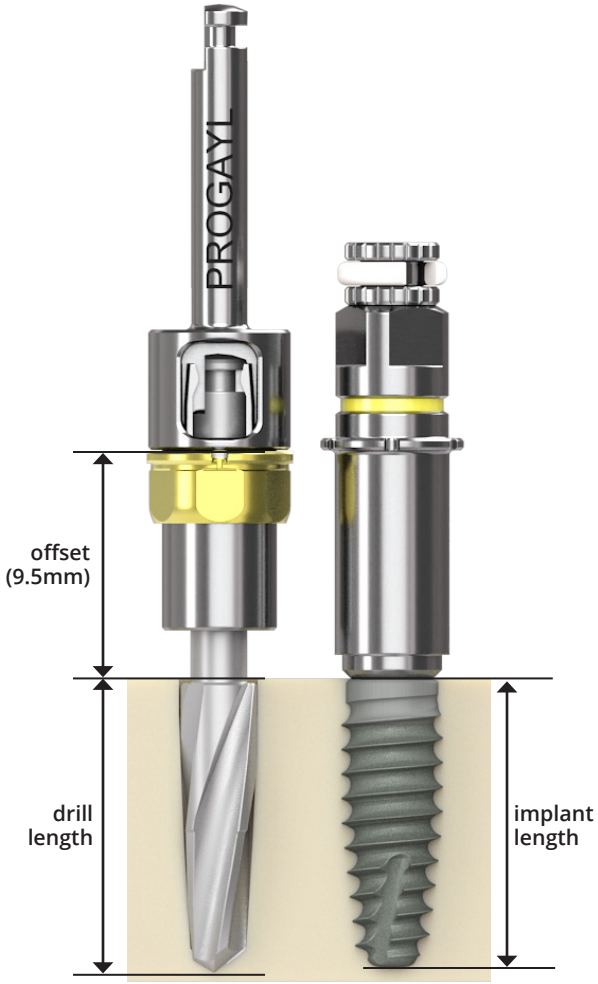
offset

Offset and Drill length

The Pro Surgical System protocols use a depth increasing drill sequence to progressively increase the length of the osteotomy. A fixed 9.5mm offset is used for all implant lengths. The Guide Adapter component is designed to ensure that each drill length is adequately controlled by the Master Cylinder. Drills should be interchanged with the Guide Adapter, instead of the handpiece, until the osteotomy is complete.

When preparing for implant placement, the drivers are designed to control the depth of the implant placement, as well as the implant axis. Note the notches in the driver flange which correspond to the 6 flats of the implant connection. Use these flats to align one side of the connection parallel to the buccal wall.



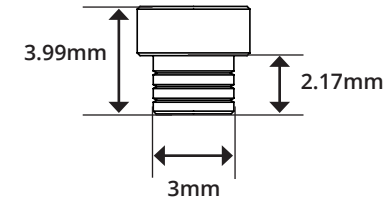


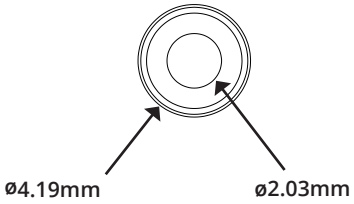
Tapered Family Guided Specifications

ancillary

CGS-PS4-10

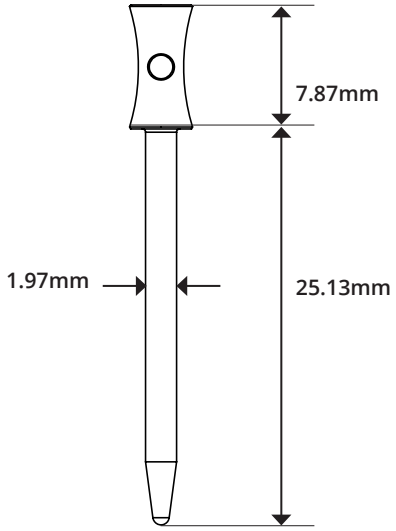
Fixation Pin Sleeve
(pack of 10)





CGS-FP

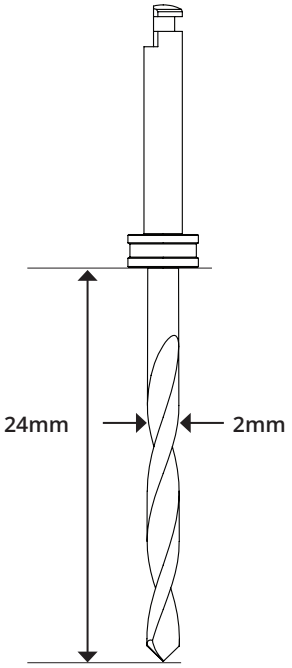
Guided Surgery Fixation Pin
(3 included with kit)



122-024

2.0 x 24mm CGS Pilot Drill

Use 24mm pilot drill to create osteotomy for fixation pin.



Ordering & Warranty Information

Territory Manager: _____

cell phone: _____

email and/or fax: _____

BioHorizons Lifetime Warranty on Implants and Prosthetics for Clinicians: All BioHorizons implants and prosthetic components include a Lifetime Warranty. BioHorizons implant or prosthetic components will be replaced if removal of that product is due to failure (excluding normal wear to overdenture attachments).

Additional Warranties: BioHorizons warranties surgical drills, taps and other surgical and restorative instruments.

(1) Surgical Drills and Taps: Surgical drills and taps include a warranty period of ninety (90) days from the date of initial invoice. Surgical instruments should be replaced when they become worn, dull, corroded or in any way compromised. Surgical drills should be replaced after 12 to 20 osteotomies.[1]

(2) Instruments: The BioHorizons manufactured instrument warranty extends for a period of one (1) year from the date of initial invoice. Instruments include drivers, implant site dilators and BioHorizons tools used in the placement or restoration of BioHorizons implants.

Return Policy: Product returns require a Return Authorization Form, which may be acquired by contacting Customer Care. The completed Return Authorization Form must be included with the returned product. For more information, please see the reverse side of the invoice that was shipped with the product.

Disclaimer of Liability: BioHorizons products may only be used in conjunction with the associated original components and instruments according to the Instructions for Use (IFU). Use of any non-BioHorizons products in conjunction with BioHorizons products will void any warranty or any other obligation, expressed or implied.

Treatment planning and clinical application of BioHorizons products are the responsibility of each individual clinician. BioHorizons strongly recommends completion of postgraduate dental implant education and adherence to the IFU that accompany each product. BioHorizons is not responsible for incidental or consequential damages or liability relating to use of our products alone or in combination with other products other than replacement or repair under our warranties.

Distributed Products: For information on the manufacturer's warranty of distributed products, please refer to their product packaging. Distributed products are subject to price change without notice.

Validity: Upon its release, this literature supersedes all previously published versions.

Availability: Not all products shown or described in this literature are available in all countries. BioHorizons continually strives to improve its products and therefore reserves the right to improve, modify, change specifications or discontinue products at any time.

Any images depicted in this literature are not to scale, nor are all products depicted. Product descriptions have been modified for presentation purposes. For complete product descriptions and additional information, visit store.biohorizons.com.

1. Heat production by 3 implant drill systems after repeated drilling and sterilization. Chacon GE, Bower DL, Larsen PE, McGlumphy EA, Beck FM. J Oral Maxillofac Surg. 2006 Feb;64(2):265-9. R30003b

Direct Offices

BioHorizons USA
888-246-8338 or 205-967-7880

BioHorizons Canada
866-468-8338

BioHorizons Spain
+34 91 713 10 84

BioHorizons UK
+44 (0)1344 752560

BioHorizons Chile
+56 (2) 23619519

BioHorizons Italy
800-063-040

BioHorizons Mexico
800-953-0498

Distributors

For contact information in our 90 countries, visit biohorizons.com

shop online at

store.biohorizons.com

L02083
REV G APR 2025