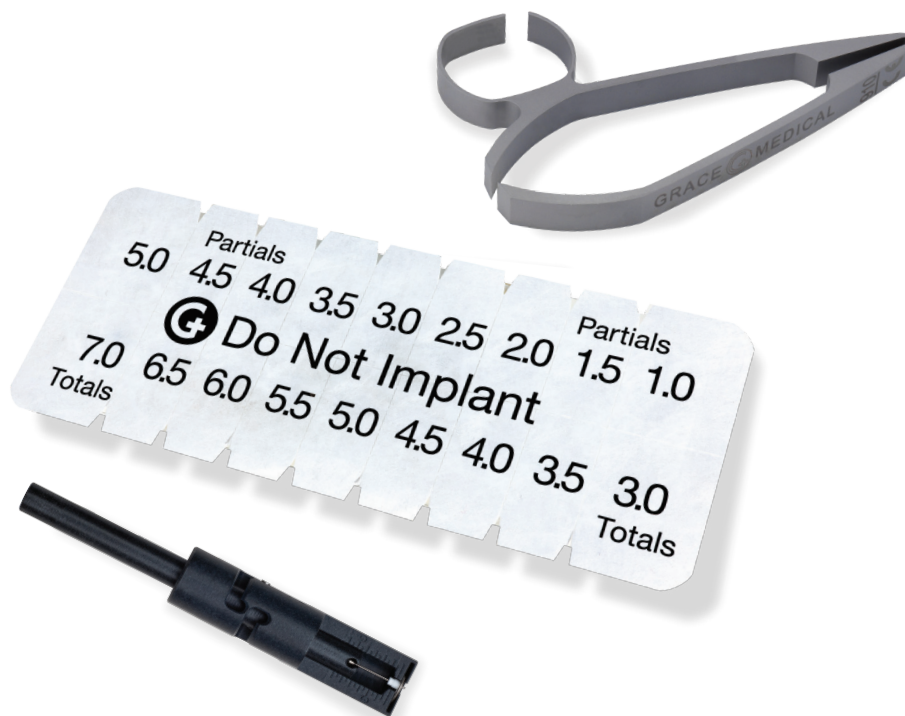


Implant Buyers Guide

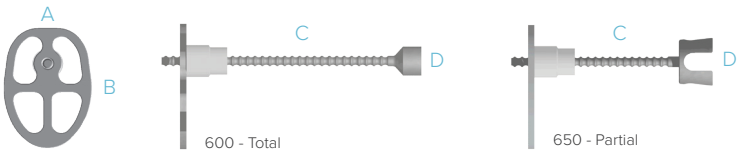


Alto System

The Grace ALTO line offers a unique patented method that makes the ALTO the only non-crimp adjustable length titanium design in otology today. This advantage allows the surgeon to adjust the prosthesis even after initial sizing, trimming and placement. The prosthesis can be lengthened or shortened in precise .25mm increments. Each ALTO product is packaged in the patented ALTO adjuster which simplifies the need to properly size the implant.

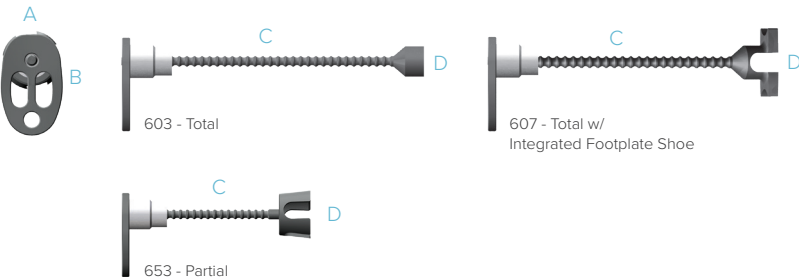


Offset Alto



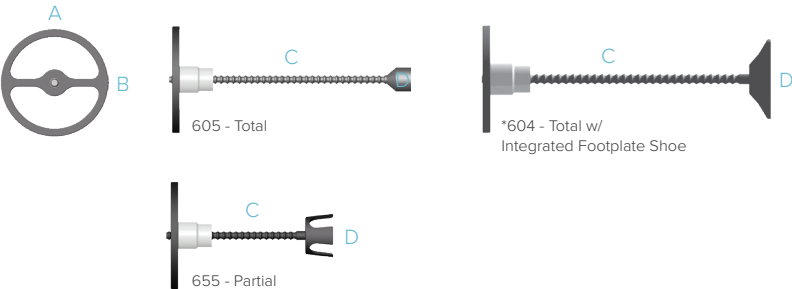
Cat. #	Material	A	B	C	D
600	Titanium	2.50	3.50	2.50-7.00	0.8
650	Titanium	2.50	3.50	1.50-5.60	1.45

Offset Alto Nano Designed in conjunction with Peter Weber, MD, Boston, MA



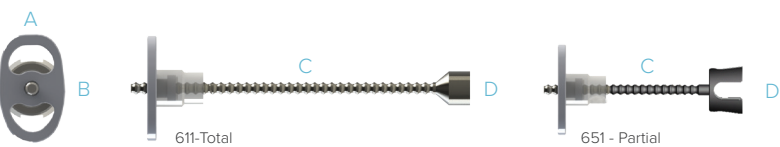
Cat. #	Material	A	B	C	D
603	Titanium	1.50	2.50	2.50-7.00	0.8
607	Titanium	1.50	2.50	2.50-7.00	0.86x1.27
653	Titanium	1.50	2.50	1.50-5.60	1.45

Centered Alto *Designed in conjunction with Jacques Herzog, MD, St. Louis, MO



Cat. #	Material	A	B	C	D
605	Titanium	3.00	3.00	2.50-7.00	0.8
*604	Titanium	3.00	3.00	2.50-7.00	0.86x2.3
655	Titanium	3.00	3.00	1.50-5.60	1.45

Centered Alto Nano Designed in conjunction with Bruce Gantz, MD, Iowa City, IA



Cat. #	Material	A	B	C	D
611	Titanium	1.50	2.50	2.50-7.00	0.8
651	Titanium	1.50	2.50	1.50-5.60	1.45

Alto Concise Partial



Cat. #	Material	A	B	C	D	Head
650-075	Titanium	2.50	3.50	0.75-5.75	1.45	Offset
655-075	Titanium	3.00	3.00	0.75-5.75	1.45	Centered

All measurements are listed as millimeters.

Alto Byte

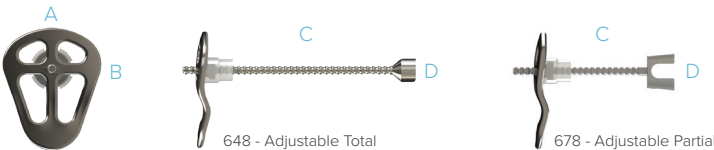
May not be available in all countries



Cat. #	Head	Material	A	B	C	D
655B	Centered	Titanium	3.00	3.00	2.25-5.60	Adjustable
654	Nano	Titanium	1.50	2.50	2.25-5.60	Adjustable

Gluth Alto

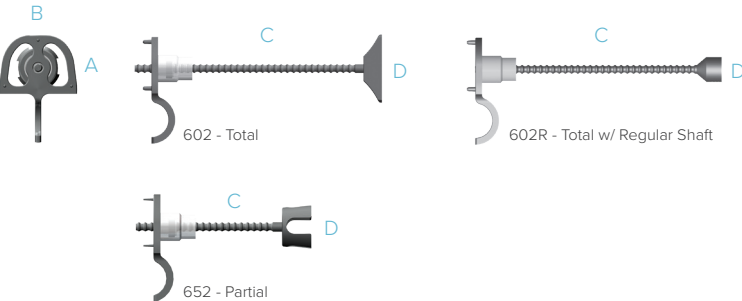
Designed in conjunction with Michael Gluth, MD, Chicago, IL



Cat. #	Material	A	B	C	D
648	Titanium	3.25	4.00	2.50-7.00	0.8
678	Titanium	3.25	4.00	1.50-5.60	1.45

Owens Assure Alto

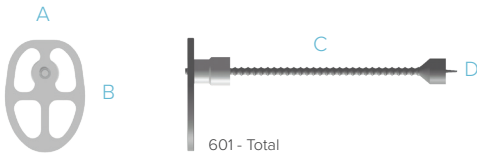
Designed in conjunction with Robert Owens, MD, Dallas, TX



Cat. #	Material	A	B	C	D
602	Titanium	2.00	2.50	2.50-7.00	0.8x2.3
602R	Titanium	2.00	2.50	2.50-7.00	0.8
652	Titanium	2.00	2.50	1.50-5.60	1.45

Silverstein Alto with Tack

Designed in conjunction with Herb Silverstein, MD, Sarasota, FL



Cat. #	Material	A	B	C	D
601	Titanium	2.50	3.50	2.50-7.00	0.8

Compatible with all Titanium Shaft Totals

Wedge Incus Strut

Designed in conjunction with Cliff Megerian, MD, Cleveland, OH,
Dennis Bojrab, MD, Farmington Hills, MI, Joseph Chen, MD, Toronto, Ontario, Canada

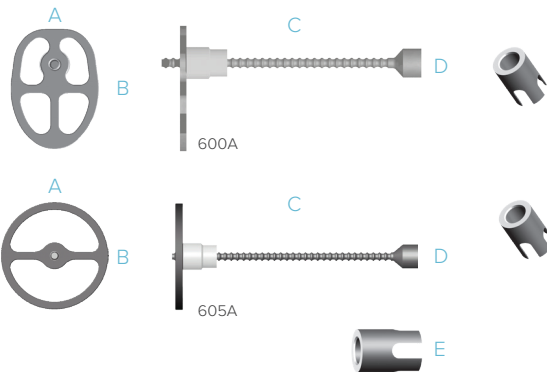


Cat. #	Material	A	B	C	D
657	Titanium	2.30	1.50	1.75-2.25	1.45
656	Titanium	2.30	1.50	2.25-3.50	1.45

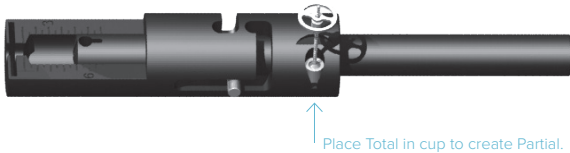
All measurements are listed as millimeters.

Duo Alto Total with Stapes Adapter

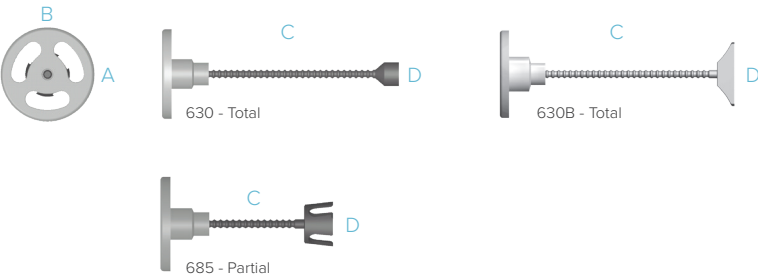
Designed in conjunction with Howard Francis, MD, Durham, NC



Cat. #	Material	A	B	C	D	E
600A	Offset Titanium	2.50	3.50	2.00-7.00	0.8	1.45
605A	Centered Titanium	3.00	3.00	2.00-7.00	0.8	1.45

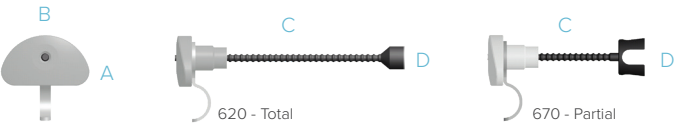


HA Lite Alto



Cat. #	Material	A	B	C	D
630	Ti/HA	3.00	3.00	3.00-7.00	0.8
630B	Ti/HA	3.00	3.00	3.00-7.00	0.8x2.3
685	Ti/HA	3.00	3.00	2.00-5.60	1.45

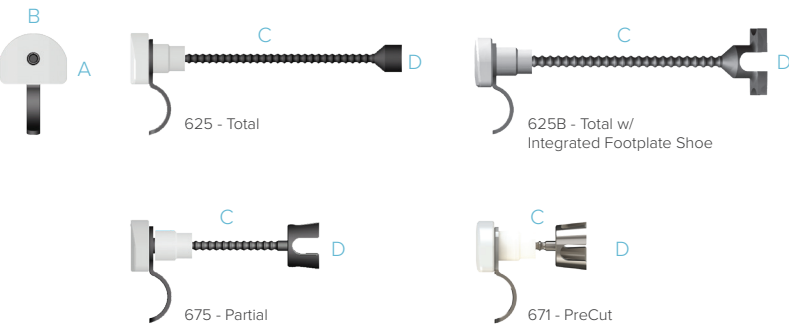
HA Alto



Cat. #	Material	A	B	C	D
620	Ti/HA	1.80	3.00	3.00-7.00	0.8
670	Ti/HA	1.80	3.00	2.00-5.60	1.45

Bojrab Alto

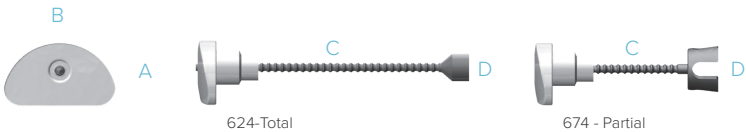
Designed in conjunction with Dennis Bojrab, MD, Farmington Hills, MI



Cat. #	Material	A	B	C	D
625	Ti/HA	1.50	2.00	3.00-7.00	0.8
625B	Ti/HA	1.50	2.00	3.00-7.00	0.86x1.27
675	Ti/HA	1.50	2.00	2.00-5.60	1.45
671	Ti/HA	1.50	2.00	2.00-2.50	1.45

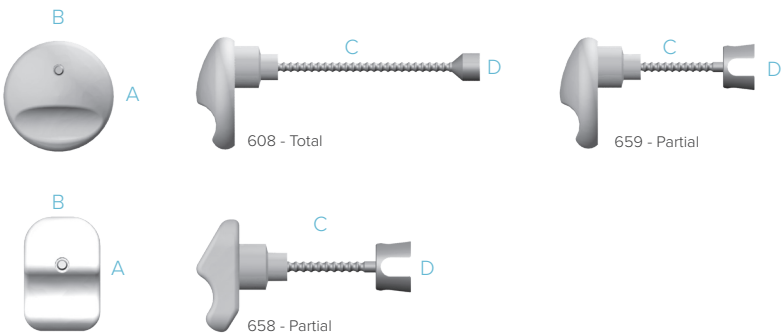
All measurements are listed as millimeters.

Sataloff Alto Designed in conjunction with Robert Sataloff, MD, Philadelphia, PA



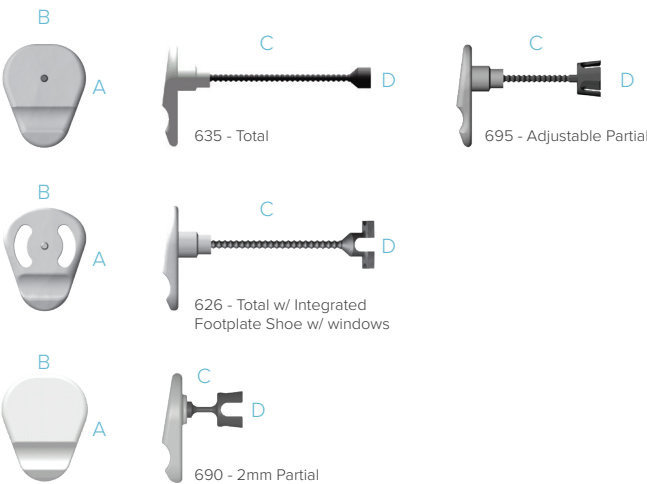
Cat. #	Material	A	B	C	D
624	Ti/HA	1.80	3.00	3.00-7.00	0.8
674	Ti/HA	1.80	3.00	2.00-5.60	1.45

Haberman Alto Designed in conjunction with Rex Haberman, MD, Minneapolis, MN



Cat. #	Material	A	B	C	D
608	Ti/HA	3.30	3.30	3.00-7.00	0.8
659	Ti/HA	3.30	3.30	2.00-5.60	1.45
658	Ti/HA	3.00	2.00	2.00-5.60	1.45

Dornhoffer Alto Designed in conjunction with John Dornhoffer, MD, Little Rock, AR



Cat. #	Material	Head	A	B	C	D
635	Ti/HA	w/o windows	4.00	3.25	3.00-7.00	0.8
637	Ti/HA	with windows	4.00	3.25	3.00-7.00	0.8
626	Ti/HA	with windows	4.00	3.25	3.00-7.00	0.86x1.27
695	Ti/HA	w/o windows	4.00	3.25	2.00-5.60	1.45
687	Ti/HA	with windows	4.00	3.25	2.00-5.60	1.45
690	Ti/HA	w/o windows	4.00	3.25	2.00	1.45
691	Ti/HA	with windows	4.00	3.25	2.00	1.45

Dornhoffer Footplate Shoe Designed in conjunction with John Dornhoffer, MD, Little Rock, AR



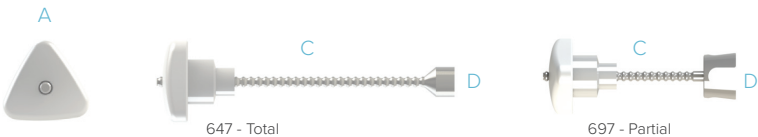
Cat. #	Material	ID	Length	Width	Height
636-080	Titanium	0.8	1.40	1.09	1.14

Compatible with all Titanium Shaft Totals

All measurements are listed as millimeters.

Moretz Delta Alto

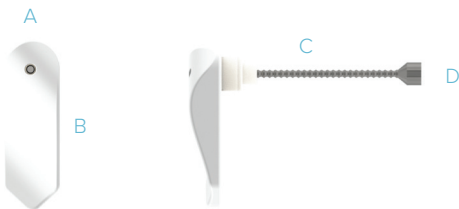
Designed in conjunction with William Moretz, MD, Augusta, GA



Cat. #	Material	A	C	D
647	Ti/HA	2.20	3.00-7.00	0.8
697	Ti/HA	2.20	2.00-5.60	1.45

Moretz Alto

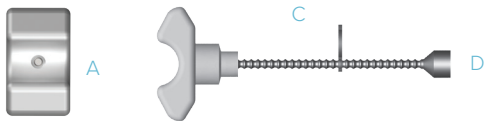
Designed in conjunction with William Moretz, MD, Augusta, GA



Cat. #	Material	A	B	C	D
612-001L	Ti/HA	1.9	5.6	3.00-7.00	0.8
612-002R	Ti/HA	1.9	5.6	3.00-7.00	0.8

Vincent Alto with Band

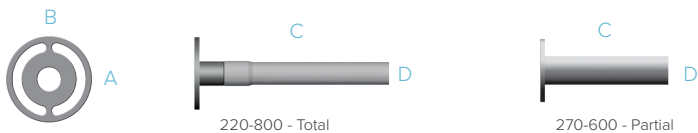
Designed in conjunction with Robert Vincent, MD, Causse Ear Clinic, Béziers, France
May not be available in all countries



Cat. #	Head Design	Material	A	C	D
614	Vincent	HA/Ti	2.00x3.30	3.00-7.00	0.8
617	Centered	Titanium	3.00	2.50-7.00	0.8
618	HA Lite	HA/Ti	3.00	3.00-7.00	0.8
619	Bojrab	HA/Ti	2.00x1.50	3.00-7.00	0.8

Strasnick Tilt-Top

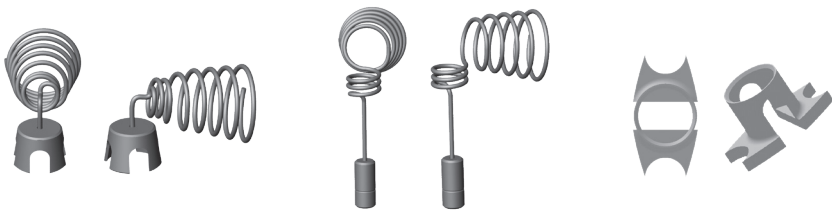
Designed in conjunction with Barry Strasnick, MD, Norfolk, VA



Cat. #	Material	A	B	C	D
270-600	Ti/Otosil	3.00	3.00	6.10	1.10
220-800	Ti/Otosil	3.00	3.00	8.00	0.9

Kraus K-Helix

Designed by Eric Kraus, MD, Greensboro, NC



Cat. #	Material	Type
756-300	Titanium	Crown
757-300	Titanium	Piston
636-060	Titanium	Footplate Shoe, 0.6 ID

All measurements are listed as millimeters.



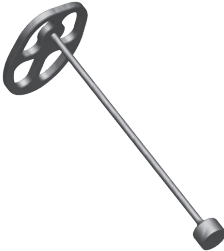
Precise HA Lite

Designed in conjunction with Michael Hoffer, MD, Miami, FL

Total	Cat. #	Material	Length
	720-300	HA/Ti	3.00
	720-325	HA/Ti	3.25
	720-350	HA/Ti	3.50
	720-375	HA/Ti	3.75
	720-400	HA/Ti	4.00
	720-425	HA/Ti	4.25
	720-450	HA/Ti	4.50
	720-475	HA/Ti	4.75
	720-500	HA/Ti	5.00
	720-525	HA/Ti	5.25
	720-550	HA/Ti	5.50
	720-575	HA/Ti	5.75
	720-600	HA/Ti	6.00
	720-625	HA/Ti	6.25
	720-650	HA/Ti	6.50
	720-675	HA/Ti	6.75
	720-700	HA/Ti	7.00

Partial	Cat. #	Material	Length
	770-175	HA/Ti	1.75
	770-200	HA/Ti	2.00
	770-225	HA/Ti	2.25
	770-250	HA/Ti	2.50
	770-275	HA/Ti	2.75
	770-300	HA/Ti	3.00
	770-325	HA/Ti	3.25
	770-350	HA/Ti	3.50
	770-375	HA/Ti	3.75
	770-400	HA/Ti	4.00
	770-425	HA/Ti	4.25
	770-450	HA/Ti	4.50

Precise Offset Titanium

Total	Cat. #	Material	Length
	700-300	Titanium	3.00
	700-325	Titanium	3.25
	700-350	Titanium	3.50
	700-375	Titanium	3.75
	700-400	Titanium	4.00
	700-425	Titanium	4.25
	700-450	Titanium	4.50
	700-475	Titanium	4.75
	700-500	Titanium	5.00
	700-525	Titanium	5.25
	700-550	Titanium	5.50
	700-575	Titanium	5.75
	700-600	Titanium	6.00
	700-625	Titanium	6.25
	700-650	Titanium	6.50
	700-675	Titanium	6.75
	700-700	Titanium	7.00

Partial	Cat. #	Material	Length
	751-050	Titanium	0.50
	751-075	Titanium	0.75
	751-100	Titanium	1.00
	751-125	Titanium	1.25
	751-150	Titanium	1.50
	750-175	Titanium	1.75
	750-200	Titanium	2.00
	750-225	Titanium	2.25
	750-250	Titanium	2.50
	750-275	Titanium	2.75
	750-300	Titanium	3.00
	750-325	Titanium	3.25
	750-350	Titanium	3.50
	750-375	Titanium	3.75
	750-400	Titanium	4.00
	750-425	Titanium	4.25
	750-450	Titanium	4.50

All measurements are listed as millimeters.

Precise Centered Titanium

Total	Cat. #	Material	Length
	705-150	Titanium	1.50
	705-200	Titanium	2.00
	705-250	Titanium	2.50
	705-300	Titanium	3.00
	705-325	Titanium	3.25
	705-350	Titanium	3.50
	705-375	Titanium	3.75
	705-400	Titanium	4.00
	705-425	Titanium	4.25
	705-450	Titanium	4.50
	705-475	Titanium	4.75
	705-500	Titanium	5.00
	705-525	Titanium	5.25
	705-550	Titanium	5.50
	705-575	Titanium	5.75
	705-600	Titanium	6.00
	705-625	Titanium	6.25
	705-650	Titanium	6.50
	705-675	Titanium	6.75
	705-700	Titanium	7.00

Partial	Cat. #	Material	Length
	765-050	Titanium	0.50
	765-075	Titanium	0.75
	765-100	Titanium	1.00
	765-125	Titanium	1.25
	765-150	Titanium	1.50
	765-175	Titanium	1.75
	765-200	Titanium	2.00
	765-225	Titanium	2.25
	765-250	Titanium	2.50
	765-275	Titanium	2.75
	765-300	Titanium	3.00
	765-325	Titanium	3.25
	765-350	Titanium	3.50
	765-375	Titanium	3.75
	765-400	Titanium	4.00
	765-425	Titanium	4.25
	765-450	Titanium	4.50
	765-475	Titanium	4.75
	765-500	Titanium	5.00
	765-525	Titanium	5.25
	765-550	Titanium	5.50

Precise Centered Byte Partial May not be available in all countries.

Cat. #	Material	Length
752-075	Titanium	0.75
752-100	Titanium	1.00
752-125	Titanium	1.25
752-150	Titanium	1.50
752-175	Titanium	1.75
752-200	Titanium	2.00
752-225	Titanium	2.25
752-250	Titanium	2.50

Precise Owens Assure Titanium Designed in conjunction with Robert Owens, MD, Dallas, TX

Total	Cat. #	Material	Length
	602-500	Titanium	5.00
	602-550	Titanium	5.50
	602-600	Titanium	6.00

Partial	Cat. #	Material	Length
	652-275	Titanium	2.75
	652-300	Titanium	3.00
	652-350	Titanium	3.50
	652-400	Titanium	4.00
	652-450	Titanium	4.50

All measurements are listed as millimeters.



Wildcat Four 2 Three

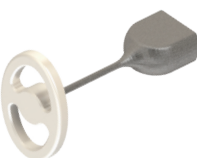
Designed in conjunction with Alan Micco, MD, Chicago, IL,
Cliff Megerian, MD, Cleveland, OH, Seilesh Babu, MD, Farmington Hills, MI

Solid	Cat. #	Material	Length
	707-300	Titanium	3.00
	707-350	Titanium	3.50
	707-400	Titanium	4.00
	707-450	Titanium	4.50
	707-500	Titanium	5.00
	707-550	Titanium	5.50

Hollow	Cat. #	Material	Length
	706-300	Titanium	3.00
	706-350	Titanium	3.50
	706-400	Titanium	4.00
	706-450	Titanium	4.50
	706-500	Titanium	5.00
	706-550	Titanium	5.50

HA Wildcat Four 2 Three

Designed in conjunction with
Seilesh Babu, MD, Farmington Hills, MI



Cat. #	Material	Length
708-300	HA/Ti	3.00
708-350	HA/Ti	3.50
708-400	HA/Ti	4.00
708-450	HA/Ti	4.50
708-500	HA/Ti	5.00
708-550	HA/Ti	5.50

Wildcat Pro

Designed in conjunction with
Seilesh Babu, MD, Farmington Hills, MI



Cat. #	Material	Length
709-300	HA/Ti	3.00
709-350	HA/Ti	3.50
709-400	HA/Ti	4.00
709-450	HA/Ti	4.50
709-500	HA/Ti	5.00
709-550	HA/Ti	5.50

Frisbee Partial

Designed in conjunction with Herb Silverstein, MD, Sarasota, FL
Designed in conjunction with Antonio De la Cruz, MD, Los Angeles, CA



Cat. #	Material	A	B	C
750-050	Titanium	3.00	1.17	0.5
750-100	Titanium	3.00	1.17	1.00
750-150	Titanium	3.00	1.17	1.50
751-200	Titanium	3.00	1.17	2.00
749-050	HA	3.00	1.17	0.5
749-100	HA	3.00	1.17	1.00
749-150	HA	3.00	1.17	1.50

Vincent Total

Designed in conjunction with Robert Vincent, MD, Causse Ear Clinic, Béziers, France



Cat. #	Material	A	B	C	D
280	HA/Flpl	2.50	2.00	8.60	0.4

All measurements are listed as millimeters.

Bojrab Universal Designed in conjunction with Dennis Bojrab, MD, Farmington Hills, MI



Cat. #	Type	Material	A	B	C
293	As Total	Otosil/HA	4.00x3.25	6.00	0.80
	As Partial	Otosil/HA	4.00x3.25	2.30	1.17
293A	As Total	Otosil/HA	3.00	6.00	0.80
	As Partial	Otosil/HA	3.00	2.30	1.17

Wehrs Single Notch



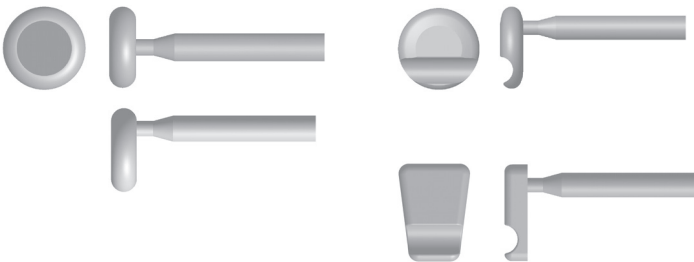
Cat. #	Type	Material	A	B	C
209	Total	Otosil/HA	2.54	9.14	1.01
259	Partial	Otosil/HA	2.54	8.1	1.10

Wehrs Double Notch



Cat. #	Type	Material	A	B	C	D
210	Total	Otosil/HA	1.60	3.51	9.14	1.01
260	Partial	Otosil/HA	1.60	3.51	8.1	1.10

Total Prostheses



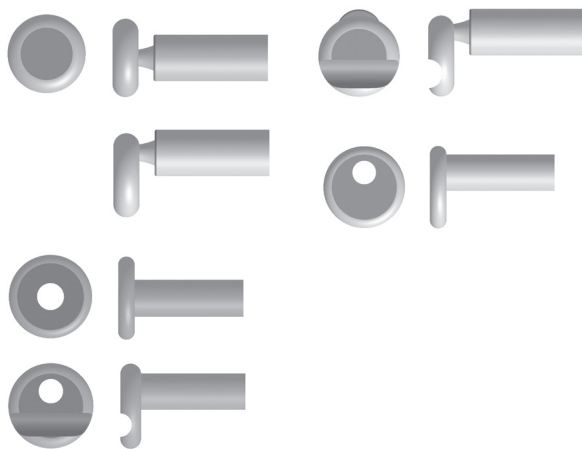
Cat. #	Type	Material	Head Dia.	Length	Shaft Dia.
200	Centered	Otosil/HA	3.00	8.00	1.00
201	Centered	Otosil/HA	4.00	8.00	1.00
202	Offset	Otosil/HA	3.25	8.00	1.00
207	Offset	Otosil/HA	3.50	8.00	1.00
203	Offset	Otosil/HA	4.00	8.00	1.00
204	Notched	Otosil/HA	3.25	8.00	1.00
208	Notched	Otosil/HA	3.50	8.00	1.00
205	Notched	Otosil/HA	4.00	8.00	1.00
206	Notched	Otosil/HA	2.1x2.9	8.00	1.00

All measurements are listed as millimeters.



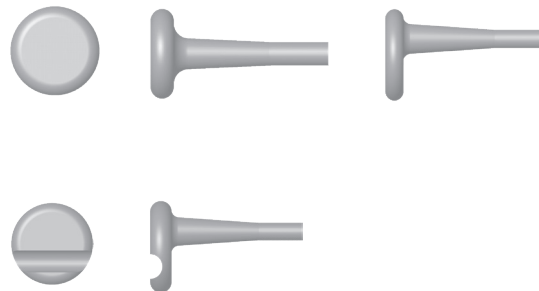
Grace Medical

Partial Prostheses



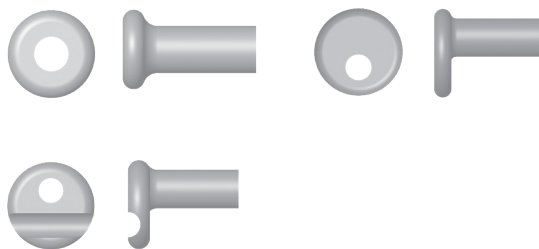
Cat. #	Type	Material	Head Size	Length	Cannulation Dia.
250	Centered	Otosil/HA	3.00	6.00	1.12
251	Centered	Otosil/HA	4.00	6.00	1.12
252	Offset	Otosil/HA	3.25	6.00	1.12
257	Offset	Otosil/HA	3.50	6.00	1.12
253	Offset	Otosil/HA	4.00	6.00	1.12
254	Notched	Otosil/HA	3.25	6.00	1.12
258	Notched	Otosil/HA	3.50	6.00	1.12
255	Notched	Otosil/HA	4.00	6.00	1.12
256	Notched	Otosil/HA	2.1x2.9	6.00	1.12
270	Centered	Otosil/HA	3.00	6.00	1.12
271	Centered	Otosil/HA	4.00	6.00	1.12
272	Offset	Otosil/HA	4.00	6.00	1.12
273	Notched	Otosil/HA	4.00	6.00	1.12

HA Total Prostheses



Cat. #	Type	Head Size	Length	Shaft Dia.
100	Centered	3.00	4.00	0.8
101	Centered	3.00	6.00	0.8
102	Centered	3.00	8.00	0.8
103	Centered	4.00	4.00	0.8
104	Centered	4.00	6.00	0.8
105	Centered	4.00	8.00	0.8
106	Off-Centered	4.00	4.00	0.8
107	Off-Centered	4.00	6.00	0.8
108	Off-Centered	4.00	8.00	0.8
109	OC/Notched	4.00	4.00	0.8
110	OC/Notched	4.00	6.00	0.8
111	OC/Notched	4.00	8.00	0.8

HA Partial Prostheses



Cat. #	Type	Head Size	Length	Cannulation Dia.
150	Centered	3.00	5.00	1.17
151	Centered	4.00	5.00	1.17
152	Off-Centered	4.00	5.00	1.17
153	OC/Notched	4.00	5.00	1.17

All measurements are listed as millimeters.

HA Struts



Cat. #	Type	Shaft Dia.	Length
191	Total Strut	0.8	8.00
190-275	Partial Strut	1.17	2.75
190-390	Partial Strut	1.17	3.90
190-490	Partial Strut	1.17	4.90

HA Footplate Shoe Can be used with all Totals and Total Struts.



Cat. #	Type	Area	Length
192	Shoe	1.50x2.00	1.32

Universal Otosil/HA Prosthesis



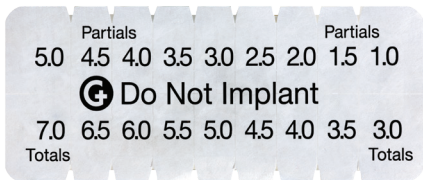
Cat. #	Type	Head Size	Length	Cannulation Dia.
193	As Total	3.50	8.00	1.00
	As Partial	3.50	6.00	1.00

Alto Cutter



Cat. #	Material
910	Stainless Steel

Disposable Sizers Each ALTO product is packaged with a disposable sizer.



Cat. #	Package
966	10/box

All measurements are listed as millimeters.



Cartilage Microtome



- Accurate and consistent measurements
- Broad thickness range [0.1mm up to 0.9mm]
- Simple to assemble and operate
- Eliminates need for distance plates
- Safeguard for hands and fingers
- Stability to safely guide cutting motion

Cat. #	Product
990-001	Cartilage Microtome
990-002	Cartilage Microtome Blades (6/box)





Grace Medical We Listen.

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8500 Wolf Lake Drive, Suite 110
Memphis, TN 38133 USA
Phone 1.901.386.0990
Fax 1.901.386.0950
Toll Free 1.866.472.2363
info@gracemedical.com
www.gracemedical.com
LIT0042 CID5986
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