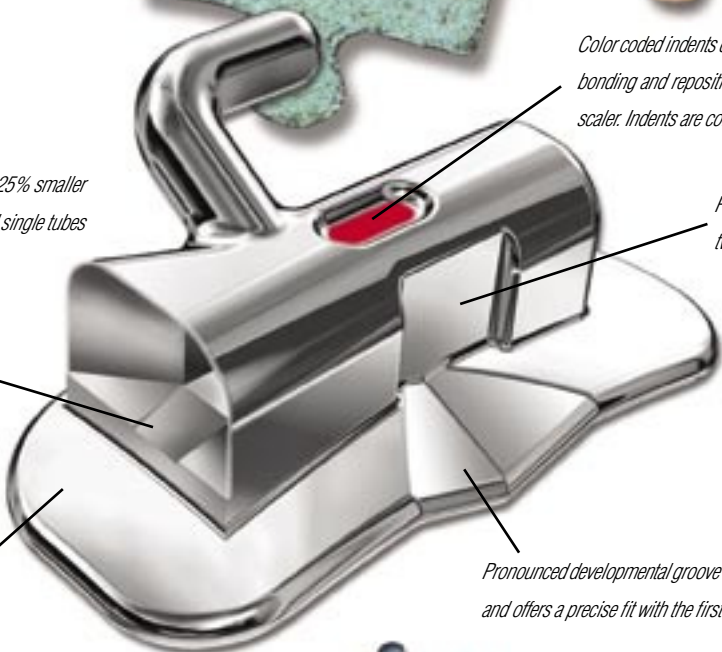
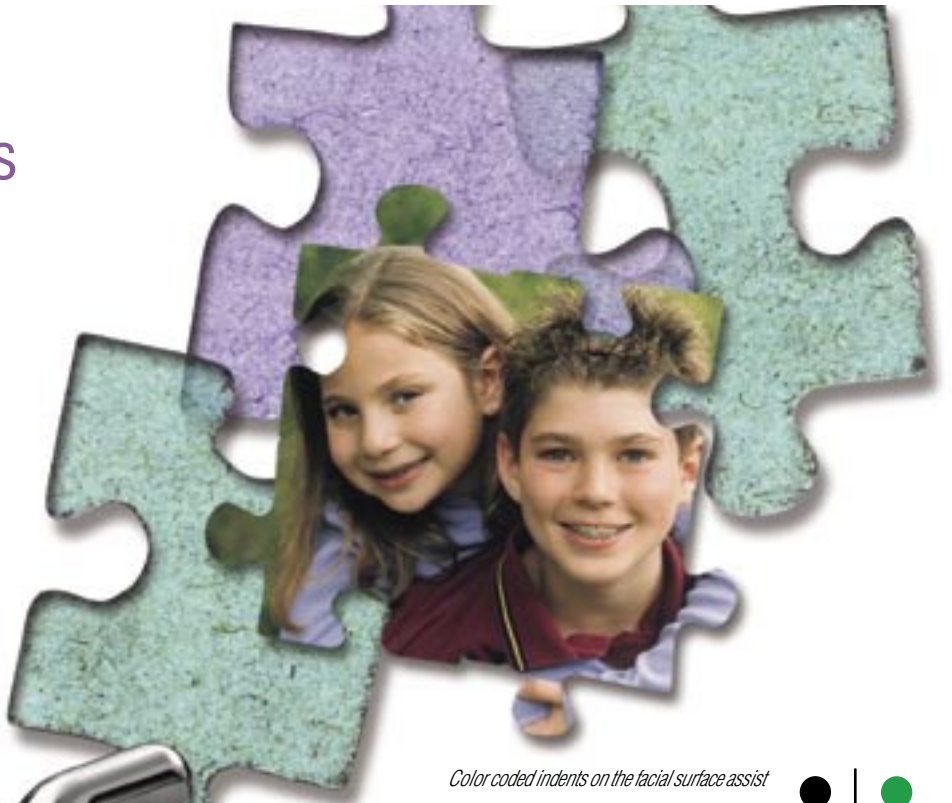


Direct Bond Tubes

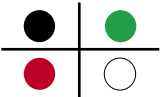


Direct Bond Tubes

Today's advanced adhesives coupled with high performance, light force wires have allowed clinicians to greatly expand the use of direct bond tubes on the molars. Direct bond molar tubes reduce inventory requirements, are often more comfortable and hygienic for the patient, and bond and debond quickly and easily. American Orthodontics introduced Master Series tubes in the 1980's and today, once again, sets the industry standard with LP Low Profile direct bond molar tubes. The following pages demonstrate how American Orthodontics offers the most complete line of direct bond molar tubes in the industry.



Color coded indents on the facial surface assist bonding and repositioning using a tweezer or scaler. Indents are color coded per quadrant.



LP tubes are 25% smaller than standard single tubes

Positioning guides and a specially designed tweezers make bonding easier at the posterior

Funneled entrance gently guides wire into the buccal tube

Pronounced developmental groove increases bonding accuracy and offers a precise fit with the first and second molar

Generous pad and low profile design reduce unwanted debonds



Direct Bond Tubes



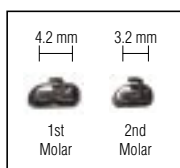
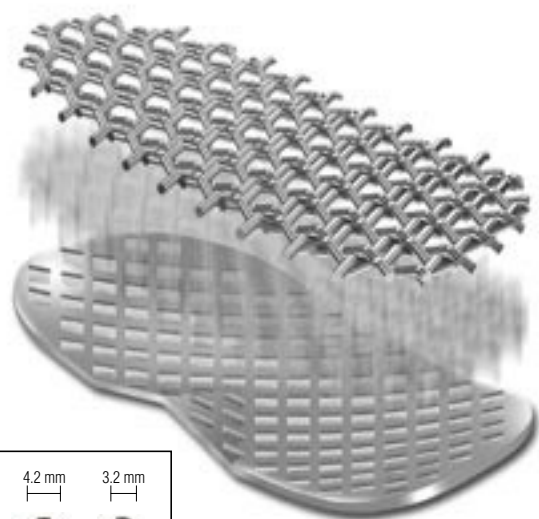
TIPS & TRICKS

Bonding is easier at the posterior when using a specially designed tweezers to hold LP tubes during the bonding process



LP tubes are also available precision-welded on bands





Actual size of LP Low Profile tubes and Power Pads

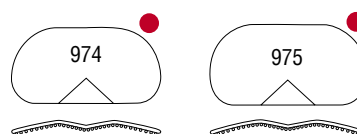
Maximum Retention Power Pads

Lying behind 80 gauge mesh, photo-etched pockets increase mechanical retention of direct bond pads.





Special Larger Maximum Retention Power Pad options

These MR pads are larger for special applications and for clinicians who prefer broader tooth coverage. The larger MR pads can be substituted in place of the standard pad for any of the tubes on the following pages. Simply contact your local sales representative or call American Orthodontics at 800-558-7687 to order the new, increased-coverage MR Power Pad.



NOTE: A minimum of 100 parts per tooth required for special pad/tube combinations.

 Look for this symbol in the Direct Bond section to quickly identify LP Low Profile tubes.

 Look for this red MR Maximum Retention symbol and yellow shading in the Direct Bond section to quickly identify tubes with MR Power Pads.



Low Profile™ buccal tubes are reduced in size by 25% over standard sized tubes. LP tubes feature smooth contours for patient comfort, a tunneled mesial opening for easy wire insertion, and occlusal/gingival positioning guides designed to make bonding easier at the posterior.



Mini Master Series™ buccal tubes feature "Diagonal Torque" which places the center of the arch wire slot in line with the center of the base, ensuring correct vertical alignment. The occlusal/gingival dimensions have been streamlined to avoid occlusal and tissue interferences and to maximize patient comfort.


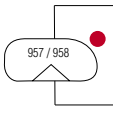

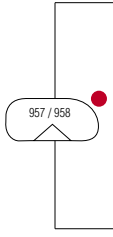

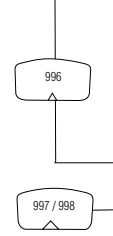

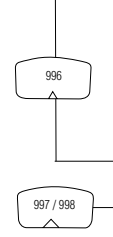

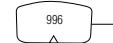


Master Series™ buccal tubes also feature "Diagonal Torque" and are designed to fully integrate with Master Series preadjusted appliance systems. The Master Series family of buccal tubes features metal injection molding (MIM) to ensure strength and accuracy, and offers smooth surfaces in the posterior.



Inconel stainless steel tubing is cut to varying lengths and brazed to pads to suit a variety of needs. Small 2mm pieces are commonly used for partially erupted 2nd molars.

Maxillary 1st Molars - Convertible

	Pad	Design	Torq	Rot	M-D	R/L	.018	.022
Low Profile Cast Convertible on Power Pad 		LP	-10	12	3.5 mm	R L	957-870C 958-871C	957-872C 958-873C
		LP	-14	12	3.5 mm	R L	957-874C 958-875C	957-876C 958-877C
Cast Mini Convertible on Power Pad 		MMS	0	0	3.5 mm	R L	957-301CMR 958-301CML	957-321CMR 958-321CML
		MMS	-10	0	3.5 mm	R L	957-310CM 958-311CM	957-312CM 958-313CM
		MMS	-10	8	3.5 mm	R L	957-434CM 958-435CM	957-443CM 958-444CM
		MMS	-14	10	3.5 mm	R L	957-844CM 958-845CM	957-846CM 958-847CM
Cast Mini Convertible 		MMS	0	0	3.5 mm	R L	996-301CML 996-301CMR	996-321CML 996-321CMR
		MMS	-10	0	3.5 mm	R L	996-310CM 996-311CM	996-312CM 996-313CM
		MMS	-10	8	3.5 mm	R L	996-434CM 996-435CM	996-443CM 996-444CM
		MMS	-10	8	3.5 mm	R L	997-434CM 998-435CM	997-443CM 998-444CM
Cast Convertible 		MS	0	0	4.2 mm	R L	996-301CL 996-301CR	996-321CL 996-321CR
		MS	-10	0	4.2 mm	R L	996-310C 996-311C	996-312C 996-313C
		MS	-10	8	4.2 mm	R L	996-434C 996-435C	996-443C 996-444C
		MS	-10	8	4.2 mm	R L	997-434C 998-435C	997-443C 998-444C
Cast Convertible Double Aux. tube .018 		MS	-10	8	4.2 mm	R L	996-609C 996-610C	996-611C 996-612C

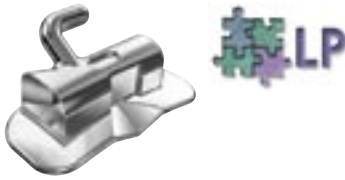
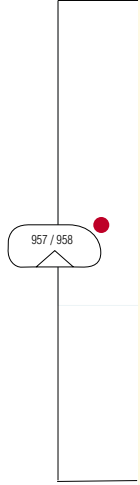

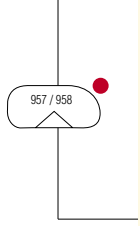

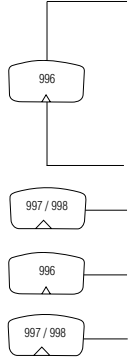

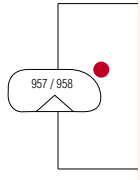

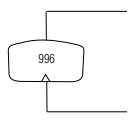


- Maximum Retention Power Pad
- LP: Low Profile
- MMS: Mini Master Series
- MS: Master Series
- C: Cast
- INC: Inconel

Maximum Retention Power Pads

These pads feature the patented Maximum Retention photo-etched mesh bases.


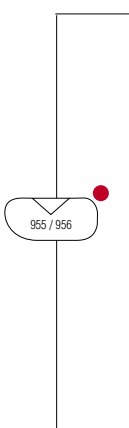

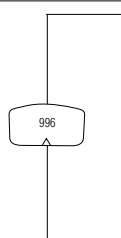

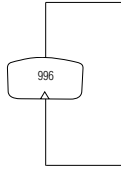


Maxillary 1st Molars - Non Convertible

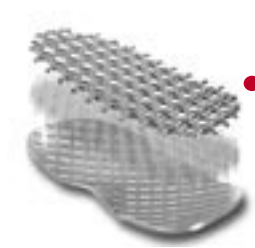
	Pad	Design	Torq	Rot	M-D	R/L	.018	.022
		LP	0	0	4.5 mm	R L	957-703CR 958-703CL	957-723CR 958-723CL
		LP	0	5	4.5 mm	R L	957-1031C 958-1030C	957-1041C 958-1040C
		LP	-10	0	4.5 mm	R L	957-704CR 958-704CL	957-724CR 958-724CL
		LP	-10	5	4.5 mm	R L	957-1032C 958-1033C	957-1042C 958-1043C
		LP	-10	10	4.5 mm	R L	957-1005C 958-1006C	957-1025C 958-1026C
		LP	-14	0	4.5 mm	R L	957-705CR 958-705CL	957-725CR 958-725CL
		LP	-14	5	4.5 mm	R L	957-1034C 958-1035C	957-1044C 958-1045C
		LP	-14	10	4.5 mm	R L	957-1007C 958-1008C	957-1027C 958-1028C
		C	0	0	4.2 mm	R L	957-025CR 958-025CL	957-024CR 958-024CL
		C	0	5	4.2 mm	R L	957-027CR 958-027CL	957-026CR 958-026CL
		C	-10	0	4.2 mm	R L	957-247CR 958-247CL	957-248CR 958-248CL
		C	-10	5	4.2 mm	R L	957-245CR 958-245CL	957-246CR 958-246CL
		C	0	0	4.2 mm	R L	996-025CL 996-025CR	996-024CL 996-024CR
		C	0	5	4.2 mm	R L	996-027CL 996-027CR	996-026CL 996-026CR
		C	-10	0	4.2 mm	R L	996-247CR 996-247CL	996-248CR 996-248CL
		C	-10	0	4.2 mm	R L	997-247CR 998-247CL	997-248CR 998-248CL
		C	-10	5	4.2 mm	R L	996-245CR 996-245CL	996-246CR 996-246CL
		C	-10	5	4.2 mm	R L	997-245CR 998-245CL	997-246CR 998-246CL
		C	-10	10	4.2 mm	R L	957-761CR 958-761CL	957-764CR 958-764CL
		C	-10	14	4.2 mm	R L	957-767CR 958-767CL	957-769CR 958-769CL
		C	-14	10	4.2 mm	R L	957-762CR 958-762CL	957-765CR 958-765CL
		INC	0	0	4.5 mm	R/L	996-341	996-342
		INC	0	6	4.5 mm	R/L	996-345	996-346
		INC	-10	6	4.5 mm	R/L	996-339	996-340
		INC	-10	0	4.5 mm	R L	995-770 995-771	995-772 995-773

● Maximum Retention Power Pad
 LP: Low Profile
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 MS: Master Series
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 INC: Inconel

Mandibular 1st Molars - Convertible

	Pad	Design	Torq	Rot	M-D	R/L	.018	.022
Cast Mini Convertible on Power Pad 		MMS	0	0	3.5 mm	R L	955-301CMR 956-301CML	955-321CMR 956-321CML
		MMS	0	8	3.5 mm	R L	955-405CM 956-406CM	955-407CM 956-408CM
		MMS	-10	0	3.5 mm	R L	955-311CM 956-310CM	955-313CM 956-312CM
		MMS	-10	8	3.5 mm	R L	955-435CM 956-434CM	955-444CM 956-443CM
		MMS	-20	0	3.5 mm	R L	955-850CM 956-851CM	955-852CM 956-853CM
		MMS	-25	0	3.5 mm	R L	955-436CM 956-437CM	955-438CM 956-439CM
		MMS	-25	8	3.5 mm	R L	955-440CM 956-457CM	955-458CM 956-459CM
Cast Mini Convertible 		MMS	0	0	3.5 mm	R L	996-301CMR 996-301CML	996-321CMR 996-321CML
		MMS	0	8	3.5 mm	R L		996-407CM 996-408CM
		MMS	-25	0	3.5 mm	R L	996-436CM 996-437CM	996-438CM 996-439CM
		MMS	-25	8	3.5 mm	R L	996-440CM 996-457CM	996-458CM 996-459CM
Cast Convertible 		MS	0	0	4.2 mm	R L	996-301CR 996-301CL	996-321CR 996-321CL
		MS	-25	0	4.2 mm	R L	996-436C 996-437C	996-438C 996-439C
		MS	-25	8	4.2 mm	R L	996-440C 996-457C	996-458C 996-459C

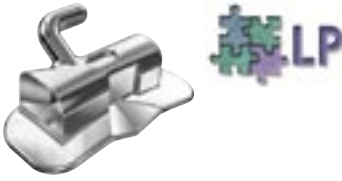
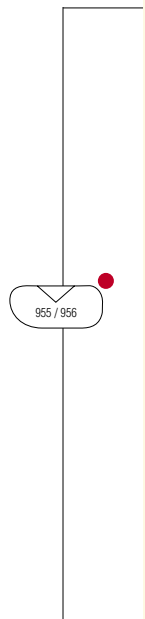

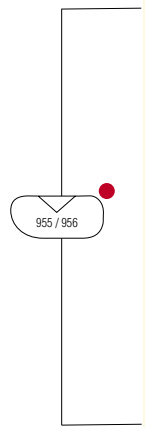

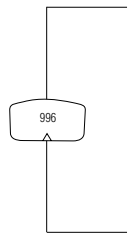

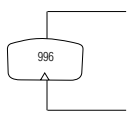
- Maximum Retention Power Pad
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Maximum Retention Power Pads


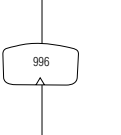


These pads feature the patented Maximum Retention photo-etched mesh bases.

Mandibular 1st Molars - Non Convertible

	Pad	Design	Torq	Rot	M-D	R/L	.018	.022
Low Profile Cast Non Convertible on Power Pad 		LP	0	0	4.5 mm	R L	955-703CR 956-703CL	955-723CR 956-723CL
		LP	0	5	4.5 mm	R L	955-1030C 956-1031C	955-1040C 956-1041C
		LP	-10	0	4.5 mm	R L	955-704CR 956-704CL	955-724CR 956-724CL
		LP	-10	5	4.5 mm	R L	955-1033C 956-1032C	955-1043C 956-1042C
		LP	-14	0	4.5 mm	R L	955-705CR 956-705CL	955-725CR 956-725CL
		LP	-14	5	4.5 mm	R L	955-1035C 956-1034C	955-1045C 956-1044C
		LP	-20	0	4.5 mm	R L	955-706CR 956-706CL	955-726CR 956-726CL
		LP	-20	5	4.5 mm	R L	955-1036C 956-1037C	955-1046C 956-1047C
		LP	-25	0	4.5 mm	R L	955-707CR 956-707CL	955-727CR 956-727CL
		LP	-25	5	4.5 mm	R L	955-1038C 956-1039C	955-1048C 956-1049C
Cast Non Convertible on Power Pad 		C	0	0	4.2 mm	R L	955-025CR 956-025CL	955-024CR 956-024CL
		C	0	5	4.2 mm	R L	955-027CR 956-027CL	955-026CR 956-026CL
		C	-10	0	4.2 mm	R L	955-247CR 956-247CL	955-248CR 956-248CL
		C	-10	5	4.2 mm	R L	955-245CR 956-245CL	955-246CR 956-246CL
		C	-20	0	4.2 mm	R L	955-066CR 956-066CL	955-067CR 956-067CL
		C	-25	0	4.2 mm	R L	955-249CR 956-249CL	955-250CR 956-250CL
		C	-25	5	4.2 mm	R L	955-041CR 956-041CL	955-042CR 956-042CL
Cast Non Convertible 		C	0	0	4.2 mm	R L	996-025CR 996-025CL	996-024CR 996-024CL
		C	0	5	4.2 mm	R L	996-027CR 996-027CL	996-026CR 996-026CL
		C	-25	0	4.2 mm	R L	996-249CR 996-249CL	996-250CR 996-250CL
		C	-25	5	4.2 mm	R L	996-041CR 996-041CL	996-042CR 996-042CL
Cast Non Convertible Double 		C	0	0	4.2 mm	R L	996-213CR 996-213CL	996-214CR 996-214CL
		C	-14	5	4.2 mm	R L	996-220CR 996-220CL	


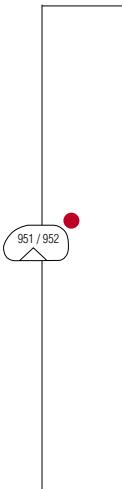

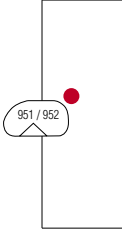

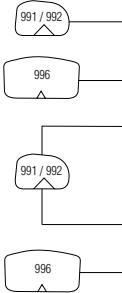

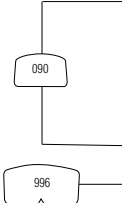


● Maximum Retention Power Pad
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 INC: Inconel

Mandibular 1st Molars - Non Convertible

	Pad	Design	Torq	Rot	M-D	R/L	.018	.022
Inconel 		INC	0	0	4.5 mm	R/L	996-341	996-342
		INC	0	6	4.5 mm	R/L	996-345	996-346
		INC	-25	0	4.5 mm	R/L	996-343	996-344
		INC	-25	6	4.5 mm	R/L	996-347	996-348
Low Profile Inconel 		INC	-10	0	4.5 mm	R L	995-770 995-771	995-772 995-773

LP: Low Profile
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 MS: Master Series
 C: Cast
 INC: Inconel

Maxillary 2nd Molars - Non Convertible

	Pad	Design	Torq	Rot	M-D	R/L	.018	.022
Low Profile Cast Non Convertible on Power Pad 		LP	0	0	3.2 mm	R L	951-801C 952-800C	951-803C 952-802C
		LP	0	5	3.2 mm	R L	951-3001C 952-3000C	951-3003C 952-3002C
		LP	-10	0	3.2 mm	R L	951-804C 952-805C	951-806C 952-807C
		LP	-10	5	3.2 mm	R L	951-3004C 952-3005C	951-3006C 952-3007C
		LP	-10	10	3.2 mm	R L	951-2005C 952-2006C	951-2025C 952-2026C
		LP	-14	0	3.2 mm	R L	951-808C 952-809C	951-810C 952-811C
		LP	-14	5	3.2 mm	R L	951-3008C 952-3009C	951-3010C 952-3011C
		LP	-14	10	3.2 mm	R L	951-2007C 952-2008C	951-2027C 952-2028C
Cast Non Convertible on Power Pad 		MS	0	0	3.2 mm	R L	951-521C 952-520C	951-523C 952-522C
		MS	-10	0	3.2 mm	R L	951-524C 952-525C	951-526C 952-527C
		MS	-10	7	3.2 mm	R L	951-540C 952-541C	951-542C 952-543C
		MS	-14	7	3.2 mm	R L	951-552C 952-553C	951-554C 952-555C
Cast non Convertible 		MS	0	0	3.2 mm	R L	991-521C 992-520C	991-523C 992-522C
		MS	0	0	3.2 mm	R L	996-521C 996-520C	996-523C 996-522C
		MS	-10	0	3.2 mm	R L	991-524C 992-525C	991-526C 992-527C
		MS	-10	7	3.2 mm	R L	991-540C 992-541C	991-542C 992-543C
		MS	-10	7	3.2 mm	R L	996-540C 996-541C	996-542C 996-543C
Inconel 		INC	0	0	3.5 mm	R/L	090-361	090-362
		INC	0	6	3.5 mm	R/L	090-365	090-366
		INC	-10	0	3.5 mm	R/L	090-357	090-358
		INC	-10	6	3.5 mm	R/L	090-359	090-360
		INC	-10	6	3.5 mm	R/L	996-360	996-360
Low Profile Inconel 		INC	-10	0	3 mm	R L	991-340 992-341	991-342 992-343
		INC	-25	0	3 mm	R L	993-344 994-345	993-346 994-347


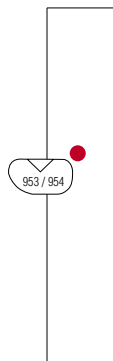

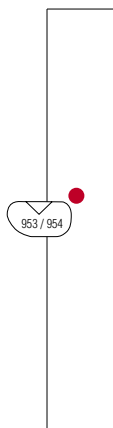

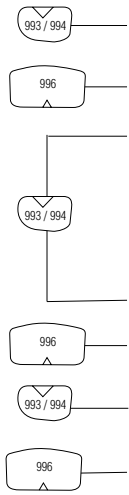
- Maximum Retention Power Pad
- LP: Low Profile
- MMS: Mini Master Series
- MS: Master Series
- C: Cast
- INC: Inconel




Maximum Retention Power Pads

These pads feature the patented Maximum Retention photo-etched mesh bases.

Mandibular 2nd Molars - Non Convertible







	Pad	Design	Torq	Rot	M-D	R/L	.018	.022
		LP	0	0	3.2 mm	R L	953-800C 954-801C	953-802C 954-803C
		LP	0	5	3.2 mm	R L	953-3000C 954-3001C	953-3002C 954-3003C
		LP	-10	0	3.2 mm	R L	953-805C 954-804C	953-807C 954-806C
		LP	-10	5	3.2 mm	R L	953-3005C 954-3004C	953-3007C 954-3006C
		LP	-25	0	3.2 mm	R L	953-812C 954-813C	953-814C 954-815C
		LP	-25	5	3.2 mm	R L	953-3012C 954-3013C	953-3014C 954-3015C
		MS	0	0	3.2 mm	R L	953-520C 954-521C	953-522C 954-523C
		MS	-10	0	3.2 mm	R L	953-525C 954-524C	953-527C 954-526C
		MS	-10	7	3.2 mm	R L	953-541C 954-540C	953-543C 954-542C
		MS	-25	0	3.2 mm	R L	953-528C 954-529C	953-530C 954-531C
		MS	-25	7	3.2 mm	R L	953-544C 954-545C	953-546C 954-547C
		MS	-30	0	3.2 mm	R L	953-532C 954-533C	953-534C 954-535C
		MS	-30	7	3.2 mm	R L	953-548C 954-549C	953-550C 954-551C
		MS	0	0	3.2 mm	R L	993-520C 994-521C	993-522C 994-523C
		MS	0	0	3.2 mm	R L	996-520C 996-521C	996-522C 996-523C
		MS	0	7	3.2 mm	R L	993-536C 994-537C	993-538C 994-539C
		MS	-25	0	3.2 mm	R L	993-528C 994-529C	993-530C 994-531C
		MS	-25	7	3.2 mm	R L	993-544C 994-545C	993-546C 994-547C
		MS	-25	7	3.2 mm	R L	996-544C 996-545C	996-546C 996-547C
		MS	-30	7	3.2 mm	R L	993-548C 994-549C	993-550C 994-551C
		MS	-30	7	3.2 mm	R L	996-548C 996-549C	996-550C 996-551C

 Maximum Retention Power Pad
 LP: Low Profile
 MMS: Mini Master Series
 MS: Master Series
 C: Cast
 INC: Inconel




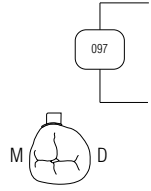

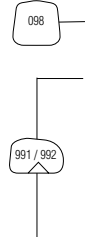
Maximum Retention Power Pads
 These pads feature the patented Maximum Retention photo-etched mesh bases.

Mandibular 2nd Molars - Non Convertible


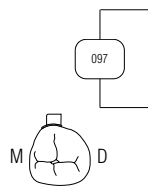

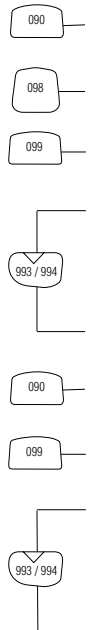
	Pad	Design	Torq	Rot	M-D	R/L	.018	.022
Inconel 		INC	0	0	3.5 mm	R/L	090-361	090-362
		INC	0	6	3.5 mm	R/L	090-365	090-366
		INC	-25	0	3.5 mm	R/L	090-363	090-364
		INC	-25	6	3.5 mm	R/L	090-367	090-368
		INC	-25	6	3.5 mm	R/L	090-369	996-368
		INC	-30	0	3.5 mm	R/L	090-371	090-370
		INC	-30	6	3.5 mm	R/L	090-372	090-372
Low Profile Inconel 		INC	-25	0	3 mm	R L	993-344 994-345	993-346 994-347

LP: Low Profile
 MMS: Mini Master Series
 MS: Master Series
 C: Cast
 INC: Inconel

Maxillary 2nd Molars - 2 mm Non Convertible

							.018		.022		
							No hook	With hook	No hook	With hook	
Pad	Design	Torq	Rot	M-D	R/L						
Cast Non Convertible WRAPAROUND 		C	0	0	2 mm	R L		097-751C 097-750C		097-757C 097-756C	
		C	-10	0	2 mm	R L		097-752C 097-753C		097-758C 097-759C	
		INC	0	0	2 mm	R L		991-510H 992-510H		991-511 992-511	
		INC	-10	0	2 mm	R L		991-710 992-710	991-710H 992-710H	991-711H 992-711H	
Inconel 		INC	0	0	2 mm	R/L				098-511	098-511H
		INC	0	0	2 mm	R L					
		INC	-10	0	2 mm	R L		991-610 992-610	991-610H 992-610H	991-611 992-611	991-611H 992-611H
		INC	-15	0	2 mm	R L		991-610 992-610	991-610H 992-610H	991-611 992-611	991-611H 992-611H

Mandibular 2nd Molars - 2 mm Non Convertible

							.018		.022		
							No hook	With hook	No hook	With hook	
Pad	Design	Torq	Rot	M-D	R/L						
Cast Non Convertible WRAPAROUND 		C	0	0	2 mm	R L		097-750C 097-751C		097-756C 097-757C	
		C	-25	0	2 mm	R L		097-754C 097-755C		097-760C 097-761C	
		INC	0	0	2 mm	R/L				090-511	090-511H
		INC	0	0	2 mm	R/L				098-511	098-511H
Inconel 		INC	0	0	2 mm	R/L				090-511	090-511H
		INC	0	0	2 mm	R/L				098-511	098-511H
		INC	0	0	2 mm	R/L		099-510*	099-510H*	099-511*	099-511H*
		INC	0	0	2 mm	R L			993-510H 994-510H	993-511 994-511	993-511H 994-511H
		INC	-10	0	2 mm	R L		993-710 994-710	993-710H 994-710H	993-711 994-711	993-711H 994-711H
		INC	-15	0	2 mm	R/L		090-610	090-610H	090-611	090-611H
		INC	-15	0	2 mm	R/L		099-610*	099-610H*	099-611*	099-611H*
		INC	-15	0	2 mm	R L		993-610 994-610	993-610H 994-610H	993-611 994-611	993-611H 994-611H
INC	-25	0	2 mm	R L			993-810H 994-810H		993-811H 994-811H		

* Indicates these inconel tubes can be bonded on cusp


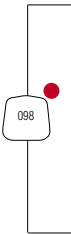

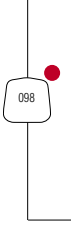
C: Cast
INC: Inconel

Maxillary/Mandibular Direct Bond Bicuspid Tubes

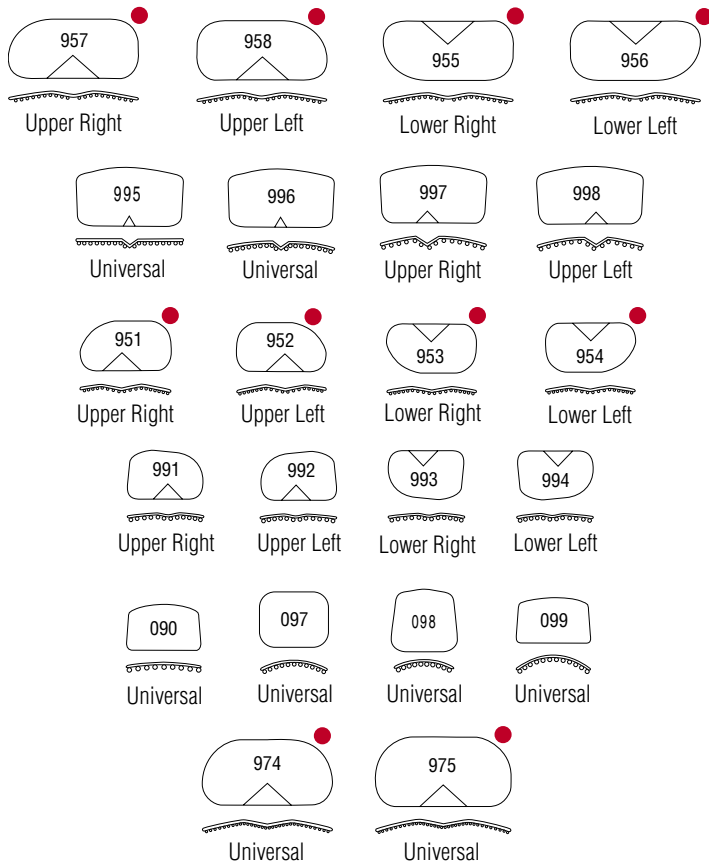


- **Bond strength**
Generous pad size ensures strong bonds.
- **No tie wings**
Comfortable for the patient. Offset pad reduces likelihood of occlusal interference.
- **Passive slot**
Reduced friction for clinical efficiency.

Maxillary/Mandibular Bicuspids

	Pad	Design	Torq	Rot	M-D	R/L	.018	.022
Cast with L hook 		C	0	0	2 mm	R L	098-1400C 098-1401C	098-1402C 098-1403C
		C	-7	0	2 mm	R L	098-1404C 098-1405C	098-1406C 098-1407C
		C	-10	0	2 mm	R L	098-1408C 098-1409C	098-1410C 098-1411C
		C	-17	0	2 mm	R L	098-1412C 098-1413C	098-1414C 098-1415C
Cast with Ball hook 		C	0	0	2 mm	R L	098-1500C 098-1501C	098-1502C 098-1503C
		C	-7	0	2 mm	R L	098-1504C 098-1505C	098-1506C 098-1507C
		C	-10	0	2 mm	R L	098-1508C 098-1509C	098-1510C 098-1511C
		C	-17	0	2 mm	R L	098-1512C 098-1513C	098-1514C 098-1515C

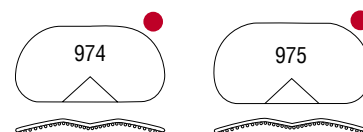
Direct Bond Pad Reference



Maximum Retention Power Pads
These pads feature the patented Maximum Retention photo-etched mesh bases.

Special Larger Maximum Retention Power Pad options

These MR pads are larger for special applications and for clinicians who prefer broader tooth coverage. The larger MR pads can be substituted in place of the standard pad for any of the tubes on the following pages. Simply contact your local sales representative or call American Orthodontics at 800-558-7687 to order the new, increased-coverage MR Power Pad.



NOTE: A minimum of 100 parts per tooth required for special pad/tube combinations.

