

Cetlin® Nonextraction Therapy



Today more specialists are looking for effective appliances to enhance their treatment goals without extracting bicuspids. Nonextraction Therapy appliances are designed to allow the orthodontist easier placement and management of face bows, palatal arch bars, lip bumpers, elastics, and more. When used with the technique pioneered and taught by Dr. Norman Cetlin of Newton Centre, Massachusetts, Nonextraction Therapy becomes practical and effective.

“More than 80% of all malocclusions have mesially rotated maxillary molars. In the nonextraction technique, palatal bars are used to rotate and distalize 1st and 2nd molars to gain a more accurate reading of the sagittal relationship. If additional distalization is necessary, the two force system of the removable plate and extra-oral headgear is utilized.

In the mandibular arch, proper application of the lip bumper contributes to the distal uprighting and rotation of the mandibular molars. Accurate formation of the lip bumper eliminates muscular pressure on the buccal segments and allows for lateral dentoalveolar growth.”

Norman M. Cetlin

Cetlin® Nonextraction Therapy

Palatal Arch Bars

Mesial Loop PAB

Our specially tempered wire provides more predictable tooth control. The loop is mesial for less tongue interference and easier adjustability. Our double back into the sheath is a true .036" x .072" for a firm, exact fit each time; and the double back is available in both regular (5mm) and long (7mm) arm. For best results, our PAB's should be used with our exclusive Cetlin Lingual Sheaths.

Regular Size	Reference Number	Size	Reference Number
35	49-531-35	47	49-531-47
37	49-531-37	49	49-531-49
39	49-531-39	51	49-531-51
41	49-531-41	53	49-531-53
43	49-531-43	55	49-531-55
45	49-531-45		
Kit of 40 in assorted sizesKIT49-500-40			

Long Arm Size	Reference Number	Size	Reference Number
37	49-531-37L	47	49-531-47L
39	49-531-39L	49	49-531-49L
41	49-531-41L	51	49-531-51L
43	49-531-43L	53	49-531-53L
45	49-531-45L	55	49-531-55L



Mesial Loop PAB with 45 Degree Angle

Our Mesial Loop PAB's are also available with a 45 degree angle at the terminals for even easier modeling.

Regular Size	Reference Number	Size	Reference Number
35	49-532-35	47	49-532-47
37	49-532-37	49	49-532-49
39	49-532-39	51	49-532-51
41	49-532-41	53	49-532-53
43	49-532-43	55	49-532-55
45	49-532-45		
Kit of 40 in assorted sizes			KIT49-700-40



Distal Loop Palatal Arch Bar

GAC also offers a palatal arch bar with a distal Coffin loop. The design features our 75 Bunnell hardness that, when used with our patented Cetlin lingual sheath, delivers activation gently and efficiently.

Regular Size	Reference Number	Size	Reference Number
35	49-530-35	47	49-530-47
37	49-530-37	49	49-530-49
39	49-530-39	51	49-530-51
41	49-530-41	53	49-530-53
43	49-530-43	55	49-530-55
45	49-530-45		
KIT of 40 in assorted sizesKIT49-600-40			



Lingual Sheath

The mesial offset allows easy insertion and removal before and after rotation of the tooth. This offset eliminates the need for compensating bends in the PAB to avoid tissue impingement. The distal indent aids in locking the double back of the arch bar. A short, rounded post facilitates the necessary ligation of the PAB into the sheath. Our design precludes gingival impingement and allows lower seating of the band. The sheath does not distort during PAB activation, thereby ensuring a snug fit at all times.



	Reference Number	
	Sheath With 8° Offset	Sheath With No Offset
Left	21-602-20	21-602-19
Right	21-601-20	21-601-19

Buccal Tubes

Maxillary Triple Tube

The arch wire slot is offset 14° and torqued -14°. The .028" free sliding auxiliary tube allows a better read on how the forces are being dissipated. There are no corners for the intrusion wires to bind as rectangular tubes do. The headgear tube is offset only 7° to allow headgear use from start to finish of treatment. The main arch wire tube is convertible with a permanent hook.

	Reference Number			
	Convertible		Non-Convertible	
	.018"	.022"	.018"	.022"
Left	69-261-01	69-262-01	69-261-02	69-262-02
Right	69-161-01	69-162-01	69-161-02	69-162-02



Maxillary Second Molar Tube

The torque and offset complement the maxillary first molar buccal tube, enhancing proper molar alignment. Where early incorporation of second molars is indicated, the occlusal hook avoids tissue impingement. The occlusal hook also helps to avoid the vertical component of Class III elastics.

	Reference Number	
	Non-Convertible	
	.018"	.022"
Left	69-271-01	69-272-01
Right	69-171-01	69-172-01



Mandibular First Molar Tube

The lip bumper tube is stepped out to avoid gingival impingement. It is mesially offset to allow ease of insertion of the bumper and to allow its proper application. The arch wire tube is distally offset 4° with -25° torque. The main arch wire tube is convertible, and the hook is permanent.

	Reference Number	
	Convertible	
	.018"	.022"
Left	69-461-03	69-462-03
Right	69-361-03	69-362-03



Mandibular Double Tube (L6 or L7)

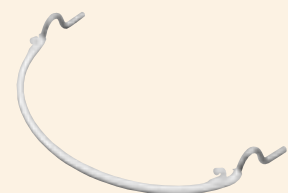
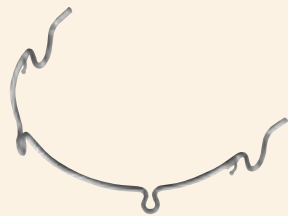
The double tube complements the mandibular first molar tube, and the arch wire tube is non-convertible. The hook is ideally placed to avoid buccal or gingival impingement.

	Reference Number	
	Non-Convertible	
	.018"	.022"
Left	69-471-01	69-472-01
Right	69-371-01	69-372-01



Cetlin® Nonextraction Therapy

Lip Bumpers



Ideal® Lip Bumper

Our Ideal Lip Bumper provides greater patient comfort while allowing easier height adjustment. The molding is thin on the occlusal and is cushioned gingivally. The translucent color is appealing to both male and female patients. The tie back hook is mesial to the sizing loop for maximum adjustability, and the 36° arch form allows lateral expansion while maintaining cuspid relationships. Perhaps the world's best lip bumper. For .045" tubes.

Size	Reference Number		Size	Reference Number	
	For 1st Molars			For 2nd Molars	
0	09-045-30		5	09-045-35	
1	09-045-31		6	09-045-36	
2	09-045-32		7	09-045-37	
3	09-045-33		8	09-045-38	
4	09-045-34		Kit of 25	KIT09-045-88	

Cetlin® Lip Bumper

This Lip Bumper has double loops. The posterior loops act as stops and are opened to increase sagittal length and transverse width. The length of the posterior leg can be altered to affect the vertical height. The anterior loops help to protect the dentoalveolar area from the cheeks and the musculature. They may also be used on later stages for Class III mechanics. For .045" tubes.

Size	Reference Number		Size	Reference Number	
	For 1st Molars			For 2nd Molars	
0	09-045-00		5	09-045-05	
1	09-045-01		6	09-045-06	
2	09-045-02		7	09-045-07	
3	09-045-03		8	09-045-08	
4	09-045-04		Kit of 25	KIT09-045-99	

Molded Lip Bumper

The anterior region of this lip bumper is molded with a thick coating for greater comfort and is especially effective when anterior movement is desired. Terminals are .045" and the bumpers are sized 0-4. Universal size is available without sizing loops.

Size	Reference Number		Size	Reference Number	
	For 1st Molars			For 2nd Molars	
Univ	09-045-09		2	09-045-12	
0	09-045-10		3	09-045-13	
1	09-045-11		4	09-045-14	

Nylon Coated Lip Bumper

This series of lip bumpers features a thin nylon coating for maximum adjustability. The AccuForm arch shape allows the arch to develop to its natural form without adjustments during use. The anterior segment can easily be adjusted to control anteriors. Also available with tie back hook mesial to sizing loop.

Size	Reference Number		Size	Reference Number	
	For 1st Molars	With Hook		For 2nd Molars	With Hook
Univ	09-045-49		5	09-045-45	09-045-25
0	09-045-40	09-045-20	6	09-045-46	09-045-26
1	09-045-41	09-045-21	7	09-045-47	09-045-27
2	09-045-42	09-045-22	8	09-045-48	09-045-28
3	09-045-43	09-045-23			
4	09-045-44	09-045-24			

Lip Bumper Tubing,

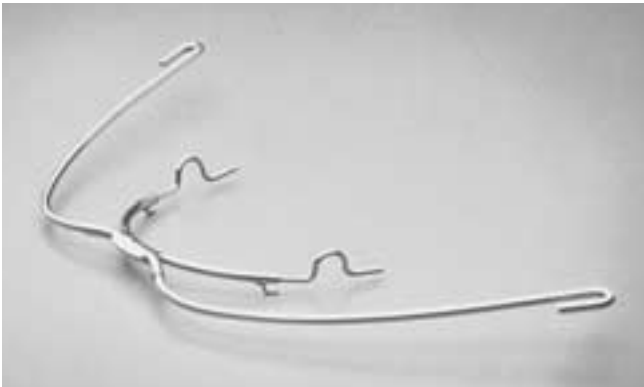
.050"x 10', clear

Reference Number

17-046-10

Cetlin Facebows

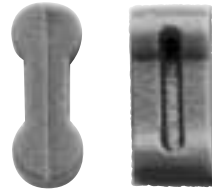
Designed by Dr. Norman Cetlin, these facebows feature an elevated outer bow so the line of force is above the center of resistance. The inner arch follows the AccuForm template to allow lateral expansion. Hooks are placed on the inner bow at the cuspid area for use with an elastic 3 to 3 to control any anterior reaction. Available in cervical and high pull styles.



Size	Reference Number	
	Cervical	High Pull
UNI	08-740-00	08-740-10
1	08-741-00	08-741-10
2	08-742-00	08-742-10
3	08-743-00	08-743-10
4	08-744-00	08-744-10
5	08-745-00	08-745-10
6	08-746-00	08-746-10

Miscellaneous

	Reference Number
Cetlin PAB Remover	07-930-00
Palatal Arch Plier	ODG159
Crimpable Lip Bumper Hooks (pack of 10)	09-000-01
Face Bow Stops, .045", pack of 2	08-229-21
Ideal 3-Day and 7-Day Separators	
3-Day	34-000-40
7-Day	34-000-48



	Reference Number	
Lip Bumper Tubing, .050", 10' clear	17-046-10	
Surgical Elastic Hooks solid (pk of 40)	2mm	3.5mm
•.018"	47-132-00	47-133-00
•.022"	47-134-00	47-135-00
Surgical Elastic Hooks, Split, (pk of 40)	47-136-00	

Templates	Reference Number
•Cetlin Lip Bumper	09-111-11
•Ideal Lip Bumper	09-111-00



"Nonextraction Treatment" by Dr. Raphael Spena

Dr. Spena worked with Dr. Norman Cetlin for many years and chronicles, through attractive photography, detailed indications, and clear graphics, the many techniques to reduce extraction treatment.

Nonextraction Treatment	27-800-20
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