

Product Catalog



Precision



Variety



Easiness



Reliability

AbZil is 3M now

Established in 1992, AbZil Indústria e Comércio Ltda. was created as an option to have a national provider of high quality orthodontic products.

Since the beginning of its activities, the goal of the company was to develop high quality orthodontic products, providing preciseness and reliability to the Orthodontic science.

In September 12th, 2007, AbZil was incorporated by 3M Unitek. Together, both companies offer state-of-the-art solutions to Orthodontics, with innovative, unique and high quality products, making them a reference in the orthodontic market.

And, investments do not stop just there. Many projects have been developed to reinforce AbZil's position as the company with the best relationship with customers, the most innovative and reliable orthodontic company in Brazil.

The first page of the new history of the Brazilian orthodontic industry has been written. Use AbZil products and write your name in this history as well.



Index

Brackets	Kirium Line:	
	MBT	4
	Roth	
	Andrews	
	Hilgers	
	Ricketts	

Agile:	
MBT	8
Roth	
Roth Mini	
Roth Mini Vertical Slot	
Edgewise	

Mini Alexander	12
----------------	----

Edgewise Standard	14
-------------------	----

Buccal Tubes	Welding and Bonding	17
--------------	---------------------	----

Bands	With tubes and without tubes	22
-------	------------------------------	----

Archwires, Straight Lengths and Springs	Nitinol Super-Elastic Archwires	25
	Nitinol Heat-Activated Archwires	25
	Reverse Curve Nitinol Archwires	26
		27

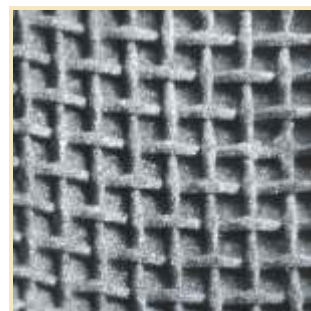
Straight Lengths	28
------------------	----

Nitinol Springs	29
-----------------	----

Elastics	'O' Ligatures	31
	Separator Modules	31
	Elastomeric Ligatures	32
	Elastomeric Chains	33
	Intraoral Elastics	34

Attachments	Palatal Bar Sheaths	36
	Spur	36
	Lingual Button	37
	Ram Cleats Hooks	37

KiriumLine



Medium-size brackets built with 17/4 steel. This is the most resistant steel in the market. The Kirium bracket is strong and has excellent bracket control. Its design offers comfort and strength, and the torque in base makes it a precise and reliable bracket.

Characteristics and Benefits

80-micron base mesh:
Better bond strength

17/4 steel:
Parallel bracket wings: more
reliability for torque expression

Vertical demarcation:
Assists in accurate bracket
positioning

Rounded corners:
Enhance comfort for patients

Prescription

MBT
Roth
Andrews
Hilgers
Ricketts

U = UPPER

U1R U1L		Central Permanent identification: recessed distolingual ID dot	The upper 1 st and 2 nd bicuspid brackets are similar brackets as they have the same torque. Such brackets can be bonded on the contralateral side as they feature zero degree angulation.
U2R U2L		Lateral Permanent identification: recessed distolingual ID dot	
U3R-X U3L-X		Cuspids with hook Permanent identification: recessed distolingual ID dot *Available without hook	
U45R-X U45L-X		1 st and 2 nd bicuspid with hook Permanent identification: recessed distolingual/mesial ID dot *Available without hook	

L = LOWER

L12-R L12-L		Incisors Color: orange	The lower 1st and 2nd bicuspid brackets are not similar brackets. The lower 2nd bicuspid bracket has a dash on the bracket wing distal to the bracket slot to differentiate it from the lower 1st bicuspid. The bracket base of the lower 2nd bicuspid is larger than the bracket base of the lower 1st bicuspid..
L12-R Mini L12-L Mini		Incisors Mini (Optional) Color: orange	
L3R-X L3L-X		Cuspids with hook Permanent identification: recessed distolingual ID dot *Available without hook	
L4R-X L4L-X		1 st bicuspid with hook Permanent identification: recessed distolingual ID dot *Available without hook	
L5R-X L5L-X		2 nd bicuspid with hook Permanent identification: recessed distolingual ID dot *Available without hook	

Bracket prescription mentioned below presents an extra ID on its base with its initial letter carved on it.
The Roth prescription does not have the extra ID.



MBT



Hilgers



Andrews



Ricketts

Bracket replacement code

U = UPPER

Tooth	Prescription	Torque	Angulation	Height	Width	ID		Slot .018x.030		Slot .022x.030	
						Base	Color	Right	Left	Right	Left
Centrals	MBT	+ 17°	4°	1.5	4.0	M		288-001	288-002	288-101	288-102
	Roth	+ 12°	5°	1.5	4.0	-		262-001	262-002	262-101	262-102
	Andrews	+ 7°	5°	1.5	4.0	A		285-001	285-002	285-101	285-102
	Hilgers	+ 22°	5°	1.5	4.0	H		293-001	293-002	293-101	293-102
	Rickets	+ 22°	0°	1.5	4.0	R		290-001	290-002	-	-
Laterals	MBT	+ 10°	8°	1.9	3.2	M		288-011	288-012	288-111	288-112
	Roth	+ 8°	9°	1.9	3.2	-		262-011	262-012	262-111	262-112
	Andrews	+ 3°	9°	1.9	3.2	A		285-011	285-012	285-111	285-112
	Hilgers	+ 14°	8°	1.9	3.2	H		293-011	293-012	293-111	293-112
	Rickets	+ 14°	8°	1.9	3.2	R		290-011	290-012	-	-
Cuspids with hooks	MBT	0°	8°	1.4	3.6	M		288-021	288-022	288-121	288-122
	Roth	-2°	11°	1.4	3.6	-		262-021	262-022	262-121	262-122
	Andrews	-7°	11°	1.4	3.6	A		285-021	285-022	285-121	285-122
	Hilgers	+ 7°	10°	1.4	3.6	H		293-021	293-022	293-121	293-122
	Rickets	+ 7°	5°	1.4	3.6	R		290-021	290-022	-	-
Cuspids without hooks	MBT	-7°	8°	1.4	3.6	M		288-023	288-024	288-123	288-124
	Roth	-2°	11°	1.4	3.6	-		262-023	262-024	262-123	262-124
	Andrews	-7°	11°	1.4	3.6	A		285-023	285-024	285-123	285-124
	Hilgers	+ 7°	10°	1.4	3.6	H		293-023	293-024	293-123	293-124
	Rickets	+ 7°	5°	1.4	3.6	R		290-023	290-024	-	-
Bicuspid with hooks	MBT	-7°	0°	1.6	3.3	M		288-031	288-032	288-131	288-132
	Roth	-7°	0°	1.6	3.3	-		262-031	262-032	262-131	262-132
	Andrews	-7°	0°	1.6	3.3	A		285-031	285-032	285-131	285-132
	Hilgers	-7°	0°	1.6	3.3	H		293-031	293-032	293-131	293-132
	Rickets	0°	0°	1.6	3.3	R		290-031	290-032	-	-
Bicuspid without hooks	MBT	-7°	0°	1.6	3.3	M		288-033	288-033	288-133	288-133
	Roth	-7°	0°	1.6	3.3	-		262-033	262-033	262-133	262-133
	Andrews	-7°	0°	1.6	3.3	A		285-033	285-033	285-133	285-133
	Hilgers	-7°	0°	1.6	3.3	H		293-033	293-033	293-133	293-133
	Rickets	0°	0°	1.6	3.3	R		290-033	290-033	-	-



L = LOWER

Tooth	Prescription	Torque	Angulation	Height	Width	ID		Slot .018x.030		Slot .022x.030	
						Base	Color	Right	Left	Right	Left
Incisors	MBT	-6°	0°	1.9	2.9	M	●	288-045	288-045	288-145	288-145
	Roth	0°	0°	1.9	2.9	-		262-045	262-045	262-145	262-145
	Andrews	0°	0°	1.9	2.9	A		285-045	285-045	285-145	285-145
	Hilgers	0°	0°	1.9	2.9	H		293-045	293-045	293-145	293-145
	Rickets	0°	0°	1.9	2.9	R		290-045	290-045	-	-
Incisors - Mini (optional)	MBT	-6°	0°	1.6	2.5	M	●	288-046	288-046	288-146	288-146
	Roth	0°	0°	1.6	2.5	-		262-046	262-046	262-146	262-146
	Andrews	0°	0°	1.6	2.5	A		285-046	285-046	285-146	285-146
	Hilgers	0°	0°	1.6	2.5	H		293-046	293-046	293-146	293-146
	Rickets	0°	0°	1.6	2.5	R		290-046	290-046	-	-
Cuspids with hooks	MBT	0°	3°	1.4	3.6	M	●	288-051	288-052	288-151	288-152
	Roth	-11°	5°	1.4	3.6	-		262-051	262-052	262-151	262-152
	Andrews	-11°	5°	1.4	3.6	A		285-051	285-052	285-151	285-152
	Hilgers	+7°	+5°	1.4	3.6	H		293-051	293-052	293-151	293-152
	Rickets	+7°	5°	1.4	3.6	R		290-051	290-052	-	-
Cuspids without hooks	MBT	-6°	3°	1.4	3.6	M	●	288-053	288-054	288-153	288-154
	Roth	-11°	5°	1.4	3.6	-		262-053	262-054	262-153	262-154
	Andrews	-11°	5°	1.4	3.6	A		285-053	285-054	285-153	285-154
	Hilgers	+7°	+5°	1.4	3.6	H		293-053	293-054	293-153	293-154
	Rickets	+7°	5°	1.4	3.6	R		290-053	290-054	-	-
1st Bicuspid with hooks	MBT	-12°	2°	1.6	3.3	M	○	288-061	288-062	288-161	288-162
	Roth	-17°	2°	1.6	3.3	-		262-061	262-062	262-161	262-162
	Andrews	-17°	2°	1.6	3.3	A		285-061	285-062	285-161	285-162
	Hilgers	-11°	0°	1.6	3.3	H		293-061	293-062	293-161	293-162
	Rickets	0°	0°	1.6	3.3	R	●	290-031	290-032	-	-
1st Bicuspid without hooks	MBT	-12°	2°	1.6	3.3	M	○	288-063	288-064	288-163	288-164
	Roth	-17°	2°	1.6	3.3	-		262-063	262-064	262-163	262-164
	Andrews	-17°	2°	1.6	3.3	A		285-063	285-064	285-163	285-164
	Hilgers	-11°	0°	1.6	3.3	H		293-063	293-064	293-163	293-164
	Rickets	0°	0°	1.6	3.3	R	●	290-033	290-033	-	-
2 nd Bicuspid with hooks	MBT	-17°	2°	1.6	3.3	M	●	288-071	288-072	288-171	288-172
	Roth	-22°	2°	1.6	3.3	-		262-071	262-072	262-171	262-172
	Andrews	-22°	2°	1.6	3.3	A		285-071	285-072	285-171	285-172
	Hilgers	-17°	0°	1.6	3.3	H		293-071	293-072	293-171	293-172
	Rickets	0°	0°	1.6	3.3	R	●	290-031	290-032	-	-
2 nd Bicuspid without hooks	MBT	-17°	2°	1.6	3.3	M	●	288-073	288-074	288-173	288-174
	Roth	-22°	2°	1.6	3.3	-		262-073	262-074	262-173	262-174
	Andrews	-22°	2°	1.6	3.3	A		285-073	285-074	285-173	285-174
	Hilgers	-17°	0°	1.6	3.3	H		293-073	293-074	293-173	293-174
	Rickets	0°	0°	1.6	3.3	R	●	290-033	290-033	-	-

Agile



Agile bracket design provides comfort for the patient and reliability for the orthodontists. Its bracket ID makes bracket positioning easier during bonding. The 80-micron base provides good strength for bracket positioning and for the application of orthodontic forces.

Characteristics and Benefits

80-micron base mesh:
Better bond strength

17/4 steel:
Better strength

Vertical demarcation:
Assists in accurate bracket positioning

Rounded corners:
Enhance comfort for patients

Low profile bracket (mini):
More comfort for patients



Prescription

MBT
Roth
Roth Mini
Roth Mini Vertical Slot
Edgewise

The mini size is available for the Roth Mini and the Roth Mini Vertical Slot.



U = UPPER

U1R U1L		Central Permanent identification: salient distolingual ID dot	The upper 1 st and 2 nd bicuspsids are similar brackets.
U2R U2L		Lateral Permanent identification: salient distolingual ID dot	
U3R-X U3L-X		Cuspids with hook Permanent identification: salient distolingual ID dot *Available without hook	
U45R-X U45L-X		Bicuspsids with hook Permanent identification: salient distolingual ID dot *Available without hook	

L = LOWER

L12-R L12-L		Incisors Color: orange	The lower 1 st and 2 nd bicuspsids are not similar brackets. The lower 2 nd bicuspid bracket has a dash on the bracket wing distal to the bracket slot to differentiate it from the lower 1 st bicuspid. The bracket base of the lower 2 nd bicuspid is larger than the bracket base of the lower 1 st bicuspid.
L3R-X L3L-X		Cuspids with hook Permanent identification: recessed distolingual ID dot *Available without hook	
L4R-X L4L-X		1 st bicuspsids with hook Permanent identification: recessed distolingual ID dot *Available without hook	
L5R-X L5L-X		2 nd bicuspsids with hook Permanent identification: recessed distolingual ID dot *Available without hook	



Vertical Slot

Agile Mini in Roth prescription is also available with Vertical Slot .020x.020

Bracket replacement code

U = UPPER

Tooth	Prescription	Torque	Angulation	Height	Width	ID		Slot .018x.028		Slot .022x.028	
						Base	Color	Right	Left	Right	Left
Central	MBT	+ 17°	4°	1.3	3.7	-	●	272-001	272-002	272-101	272-102
	Roth	+ 12°	5°	1.3	3.7	-		270-001	270-002	270-101	270-102
	Roth Mini	+ 12°	5°	1.3	3.2	-		273-001	273-002	273-101	273-102
	Roth Mini Vertical Slot	+ 12°	5°	1.6	3.2	-		274-001	274-002	274-101	274-102
	Edgewise	0°	0°	1.4	4.1	-		275-001	275-001	275-101	275-101
Lateral	MBT	+ 10°	8°	1.7	3.0	-	●	272-011	272-012	272-111	272-112
	Roth	+ 8°	9°	1.7	3.0	-		270-011	270-012	270-111	270-112
	Roth Mini	+ 8°	9°	1.7	2.7	-		273-011	273-012	273-111	273-112
	Roth Mini Vertical Slot	+ 8°	9°	1.8	2.7	-		274-011	274-012	274-111	274-112
	Edgewise	0°	0°	1.4	3.3	-		275-002	275-002	275-102	275-102
Cuspids with hooks	MBT	0°	8°	1.3	3.5	-	●	272-021	272-022	272-121	272-122
	Roth	-2°	11°	1.3	3.5	-		270-021	270-022	270-121	270-122
	Roth Mini	-2°	11°	1.4	3.0	-		273-021	273-022	273-121	273-122
	Roth Mini Vertical Slot	-2°	11°	1.6	3.0	-		274-021	274-022	274-121	274-122
	Edgewise	0°	0°	1.4	3.7	-		275-006	275-007	275-106	275-107
Cuspids without hooks	MBT	-7°	8°	1.3	3.5	-	●	272-023	272-024	272-123	272-124
	Roth	-2°	11°	1.3	3.5	-		270-023	270-024	270-123	270-124
	Roth Mini	-2°	11°	1.4	3.0	-		273-023	273-024	273-123	273-124
	Roth Mini Vertical Slot	-2°	11°	1.6	3.0	-		274-023	274-024	274-123	274-124
	Edgewise	0°	0°	1.4	3.7	-		275-003	275-003	275-103	275-103
Bicuspid with hooks	MBT	-7°	0°	1.4	3.2	-	●	272-031	272-032	272-131	272-132
	Roth	-7°	0°	1.4	3.2	-		270-031	270-032	270-131	270-132
	Roth Mini	-7°	0°	1.4	2.9	-		273-031	273-032	273-131	273-132
	Roth Mini Vertical Slot	-7°	0°	1.6	2.9	-		274-031	274-032	274-131	274-132
	Edgewise	0°	0°	1.8	3.3	-		275-008	275-009	275-108	275-109
Bicuspid without hooks	MBT	-7°	0°	1.4	3.2	-	●	272-033	272-033	272-133	272-133
	Roth	-7°	0°	1.4	3.2	-		270-033	270-033	270-133	270-133
	Roth Mini	-7°	0°	1.4	2.9	-		273-033	273-033	273-133	273-133
	Roth Mini Vertical Slot	-7°	0°	1.6	2.9	-		274-033	274-033	274-133	274-133
	Edgewise	0°	0°	1.8	3.3	-		275-005	275-005	275-105	275-105

Metal Brackets



L = LOWER

Tooth	Prescription	Torque	Angulation	Height	Width	ID		Slot .018x.028		Slot .022x.028	
						Base	Color	Right	Left	Right	Left
Incisors	MBT	-6°	0°	1.7	2.5	-	●	272-045	272-045	272-145	272-145
	Roth	0°	0°	1.7	2.5	-		270-045	270-045	270-145	270-145
	Roth Mini	0°	0°	1.7	2.3	-		273-045	273-045	273-145	273-145
	Roth Mini Vertical Slot	0°	0°	1.9	2.3	-		274-045	274-045	274-145	274-145
	Edgewise	0°	0°	1.6	2.5	-		275-010	275-010	275-110	275-110
Cuspids with hooks	MBT	0°	3°	1.3	3.5	-	●	272-051	272-052	272-151	272-152
	Roth	-11°	5°	1.3	3.5	-		270-051	270-052	270-151	270-152
	Roth Mini	-11°	5°	1.6	3.0	-		273-051	273-052	273-151	273-152
	Roth Mini Vertical Slot	-11°	5°	1.6	3.0	-		274-051	274-052	274-151	274-152
	Edgewise	0°	0°	1.4	3.7	-	●	275-007	275-006	275-107	275-106
Cuspids without hooks	MBT	-6°	3°	1.3	3.5	-	●	272-053	272-054	272-153	272-154
	Roth	-11°	5°	1.3	3.5	-		270-053	270-054	270-153	270-154
	Roth Mini	-11°	5°	1.6	3.0	-		273-053	273-054	273-153	273-154
	Roth Mini Vertical Slot	-11°	5°	1.6	3.0	-		274-053	274-054	274-153	274-154
	Edgewise	0°	0°	1.4	3.7	-		275-003	275-003	275-103	275-103
1 st Bicuspid with hooks	MBT	-12°	2°	1.4	3.2	-	○	272-061	272-062	272-161	272-162
	Roth	-17°	2°	1.4	3.2	-		270-061	270-062	270-161	270-162
	Roth Mini	-17°	2°	1.6	2.9	-		273-061	273-062	273-161	273-162
	Roth Mini Vertical Slot	-17°	2°	1.7	2.9	-		274-061	274-062	274-161	274-162
	Edgewise	0°	0°	1.8	3.3	-	●	275-009	275-008	275-109	275-108
1 st Bicuspid without hooks	MBT	-12°	2°	1.4	3.2	-	○	272-063	272-064	272-163	272-164
	Roth	-17°	2°	1.4	3.2	-		270-063	270-064	270-163	270-164
	Roth Mini	-17°	2°	1.6	2.9	-		273-063	273-064	273-163	273-164
	Roth Mini Vertical Slot	-17°	2°	1.7	2.9	-		274-063	274-064	274-163	274-164
	Edgewise	0°	0°	1.8	3.3	-		275-005	275-005	275-105	275-105
2 nd Bicuspid with hooks	MBT	-17°	2°	1.4	3.2	-	●	272-071	272-072	272-171	272-172
	Roth	-22°	2°	1.4	3.2	-		270-071	270-072	270-171	270-172
	Roth Mini	-22°	2°	1.6	2.9	-		273-071	273-072	273-171	273-172
	Roth Mini Vertical Slot	-22°	2°	1.7	2.9	-		274-071	274-072	274-171	274-172
	Edgewise	0°	0°	1.8	3.3	-	●	275-009	275-008	275-109	275-108
2 nd Bicuspid without hooks	MBT	-17°	2°	1.4	3.2	-	●	272-073	272-074	272-173	272-174
	Roth	-22°	2°	1.4	3.2	-		270-073	270-074	270-173	270-174
	Roth Mini	-22°	2°	1.6	2.9	-		273-073	273-074	273-173	273-174
	Roth Mini Vertical Slot	-22°	2°	1.7	2.9	-		274-073	274-074	274-173	274-174
	Edgewise	0°	0°	1.8	3.3	-		275-005	275-005	275-105	275-105

Prescription
Mini Alexander

U = UPPER

U1R U1L		Central Permanent identification: salient distolingival ID dot
U2R U2L		Lateral Permanent identification: salient distolingival ID dot
U3R-X U3L-X		Cuspids with hook Permanent identification: salient distolingival ID dot *Available without hook
U45R-X U45L-X		1 st and 2 nd Bicuspid with hook Permanent identification: salient distolingival ID dot *Available without hook

L = LOWER

L1R L1L		Incisors Color: orange
L2R-X L2L-X		Cuspids with hook Permanent identification: recessed distolingival ID dot
L3R-X L3L-X		Cuspids with hook Permanent identification: recessed distolingival ID dot *Available without hook
L4R-X L4L-X		1 st bicuspid with hook Permanent identification: recessed distolingival ID dot *Available without hook
L4R-X L4L-X		2 nd bicuspid with hook Permanent identification: recessed distolingival ID dot *Available without hook

Mini Alexander

Bracket replacement code

U = UPPER

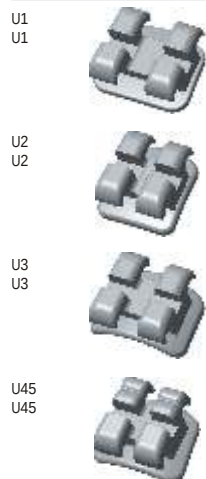
Tooth	Prescription	Torque	Angulation	Height	Width	ID		Slot .018x.028		Slot .022x.028	
						Base	Color	Right	Left	Right	Left
Central	Mini Alexander	+ 15°	5°	1.6	3.5	-		210-001	210-002	210-101	210-102
Lateral	Mini Alexander	+ 8°	8°	1.7	2.8	-		210-011	210-012	210-111	210-112
Cuspids with hooks	Mini Alexander	-2°	11°	1.6	6.0	-		210-021	210-022	210-121	210-122
Bicuspid with hooks	Mini Alexander	-7°	0°	1.6	5.2	-		210-031	210-031	210-131	210-131
Bicuspid without hooks	Mini Alexander	-7°	0°	1.6	5.2	-		210-033	210-033	210-133	210-133

L = LOWER

Tooth	Prescription	Torque	Angulation	Height	Width	ID		Slot .018x.028		Slot .022x.028	
						Base	Color	Right	Left	Right	Left
Central Incisors without hooks	Mini Alexander	-4°	0°	2.0	4.4	-		210-045	210-045	210-145	210-145
Lateral Incisors	Mini Alexander	-4°	0°	2.0	4.4	-		210-046	210-046	210-146	210-146
Cuspids with hooks	Mini Alexander	-7°	6°	1.5	6.0	-		210-051	210-052	210-151	210-152
1 st Bicuspid with hooks	Mini Alexander	-11°	0°	1.7	5.2	-		210-061	210-061	210-161	210-161
1 st Bicuspid without hooks	Mini Alexander	-11°	0°	1.7	5.2	-		210-063	210-063	210-163	210-163
2 nd Bicuspid with hooks	Mini Alexander	-17°	0°	1.6	5.2	-		210-071	210-071	210-171	210-171
2 nd Bicuspid without hooks	Mini Alexander	-17°	0°	1.6	5.2	-		210-073	210-073	210-173	210-173

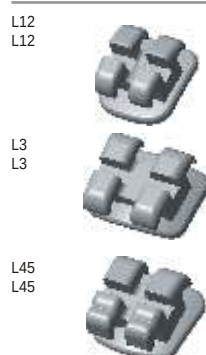
Prescription
Standard Edgewise

U = UPPER



The upper 1st and 2nd bicuspid brackets are similar brackets.

L = LOWER



The lower 1st and 2nd bicuspid brackets are not similar brackets. The lower 2nd bicuspid bracket has a dash on the bracket wing distal to the bracket slot to differentiate it from the lower 1st bicuspid. The bracket base of the lower 2nd bicuspid is larger than the bracket base of the lower 1st bicuspid.

Standard Edgewise

Bracket replacement code

U = UPPER

Tooth	Prescription	Torque	Angulation	Height	Width	ID		Slot .018x.028		Slot .022x.028	
						Base	Color	Right	Left	Right	Left
Central	Standard Edgewise	0°	0°	1.8	4.4	-		204-001	204-001	204-101	204-101
Lateral	Standard Edgewise	0°	0°	1.8	3.6	-		204-002	204-002	204-102	204-102
Cuspids with hooks	Standard Edgewise	0°	0°	1.85	4.4	-		204-003	204-003	204-103	204-103
Bicuspid without hooks	Standard Edgewise	0°	0°	2.15	4	-		204-005	204-005	204-105	204-105

L = LOWER

Tooth	Prescription	Torque	Angulation	Height	Width	ID		Slot .018x.028		Slot .022x.028	
						Base	Color	Right	Left	Right	Left
Incisors	Standard Edgewise	0°	0°	1.9	3.2	-		204-010	204-010	204-110	204-110
Cuspids without hooks	Standard Edgewise	0°	0°	1.95	4.4	-		204-003	204-003	204-103	204-103
Bicuspid without hooks	Standard Edgewise	0°	0°	2.2	4	-		204-005	204-005	204-105	204-105



Abzil
a 3M company

Buccal Tubes System



Buccal tubes with comfortable and strong construction design. These tubes are manufactured with the most resistant steel available in the market, providing reliable and predictable orthodontic solutions for safe orthodontics.

Characteristics and Benefits

80-micron base mesh:
Better bond strength

17/4 steel:
Better strength

Integral hooks (one piece construction):
No deformation and breakage

Vertical demarcation:
Assists in accurate bracket positioning

Rounded corners:
Enhance comfort for patients

Note: Prewelded tubes are available.
For further information, please contact
our customer service department.



Buccal Tubes welding
Buccal Tubes bonding

Buccal Tubes - welding

U = UPPER

Tooth	Prescription	Torque	Angulation	Offset		Occlusal	Convertible	Length (mm)	Width	Hdgr Tube	Slot .018		Slot .022	
				Distal	Gingival						Right	Left	Right	Left
First Molar Single 	Roth	-10°	0°	10°	-	Yes	Yes	3.5	Yes	-	336-877	336-878	336-977	336-978
	MBT	-14°	0°	10°	-	Yes	Yes	3.5	Yes	-	336-873	336-874	336-973	336-974
	Edgewise - U/L - D/E	0°	0°	0°	-	Yes	Yes	4.0	Yes	-	300-201	300-201	300-301	300-301
First Molar Convertible Double 	Roth	-10°	0°	10°	O	Yes	Yes	3.5	Yes	.045	326-825	326-826	326-925	326-926
	Roth	-10°	0°	10°	G	Yes	Yes	3.5	Yes	.045	326-829	326-830	326-929	326-930
	MBT	-14°	0°	10°	O	Yes	Yes	3.5	Yes	.045	326-871	326-872	326-971	326-972
	MBT	-14°	0°	10°	G	Yes	Yes	3.5	Yes	.045	326-873	326-874	326-973	326-974
	Rickets - U/L - D/E	0°	0°	0°	O/G	No	No	3.5	Yes	-	342-011	342-011	-	-
	Edgewise	0°	0°	0°	O	Yes	Yes	3.5	Yes	.045	326-805	326-806	326-905	326-906
First Molar Convertible Triple 	Roth	-10°	0°	10°	O	Yes	Yes	3.5	Yes	.045	340-821	340-822	340-921	340-922
	MBT	-14°	0°	10°	O	Yes	Yes	3.5	Yes	.045	340-873	340-874	340-973	340-974
	Rickets	0°	0°	0°	G	Yes	Yes	3.5	Yes	.045	340-011	340-012	-	-
Second Molar Single 	Roth	-10°	0°	10°	-	No	No	3.5	Yes	-	324-211	324-212	324-311	324-312
	MBT	-14°	0°	10°	-	No	No	3.5	Yes	-	324-273	324-274	324-373	324-374
	Edgewise	0°	0°	0°	-	No	No	3.5	Yes	-	324-001	324-002	324-101	324-102

Buccal Tubes System

L = LOWER

Tooth	Prescription	Torque	Angulation	Offset		Occlusal	Convertible	Length (mm)	Width	Hdgr Tube	Slot .018		Slot .022	
				Distal	Gingival						Right	Left	Right	Left
First Molar Single 	Roth	-25°	0°	5°	-	Yes	Yes	3.5	Yes	-	336-813	336-814	336-913	336-914
	MBT	-20°	0°	0°	-	Yes	Yes	3.5	Yes	-	336-815	336-816	336-915	336-916
First Molar Convertible Double   	Roth - Retangular	-25°	0°	5°	G	Yes	Yes	3.5	Yes	-	342-813	342-814	342-913	342-914
	Roth - Pla	-25°	0°	5°	G	Yes	Yes	3.5	Yes	.045	339-813	339-814	339-913	339-914
	MBT - Retangular	-20°	0°	0°	G	Yes	Yes	3.5	Yes	-	342-815	342-816	342-915	342-916
	MBT - Pla	-20°	0°	0°	G	Yes	Yes	3.5	Yes	.045	339-815	339-816	339-915	339-916
	Rickets - U/L - ED	0°	0°	0°	O/G	Não	Yes	3.5	Yes	-	342-011	342-011	-	-
Second Molar Single 	Roth	-25°	0°	5°	-	No	Yes	3.5	Yes	-	324-231	324-232	324-331	324-332
	MBT	-10°	0°	0°	-	No	Yes	3.5	Yes	-	324-293	324-294	324-393	324-394
	Edgewise	0°	0°	0°	-	No	Yes	3.5	Yes	-	324-001	324-002	324-101	324-102

Buccal Tubes bonding

U = UPPER

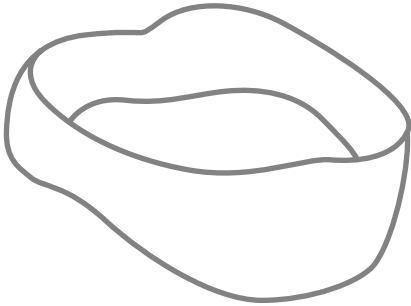
D - UPPER										Slot .018		Slot .022	
Tooth	Prescription	Torque	Angulation	Offset Distal	Occlusal Gingival	Convertible	Length (mm)	Width Distal	Hdgr Tube	Right	Left	Right	Left
First Molar Single  	Roth	-10°	0°	10°	-	Yes	3.5	Yes	-	351-821	351-822	351-921	351-922
	MBT	-14°	0°	10°	-	Yes	3.5	Yes	-	351-873	351-874	351-973	351-974
	Edgewise - U/L - D/E	0°	0°	0°	-	Yes	4.0	Yes	-	301-201	301-201	301-301	301-301
First Molar Convertible Double   	Roth	-10°	0°	10°	O	Yes	3.5	Yes	.045	351-832	351-833	351-932	351-933
	Roth	-10°	0°	10°	G	Yes	3.5	Yes	.045	351-823	351-824	351-930	351-931
	MBT	-14°	0°	10°	O	Yes	3.5	Yes	.045	351-834	351-835	351-934	351-935
	MBT	-14°	0°	10°	G	Yes	3.5	Yes	.045	351-275	351-276	351-375	351-376
	Rickets - U/L - D/E	0°	0°	0°	O/G	No	3.5	Yes	-	351-015	351-015	-	-
	Edgewise	0°	0°	0°	O	Yes	3.5	Yes	.045	351-805	351-806	351-905	351-906
First Molar Convertible Triple  	Roth	-10°	0°	10°	O	Yes	3.5	Yes	.045	351-826	351-827	351-926	351-927
	MBT	-14°	0°	10°	O	Yes	3.5	Yes	.045	351-877	351-878	351-920	351-919
	Rickets	0°	0°	0°	G	Yes	3.5	Yes	.045	351-011	351-012	-	-
Second Molar Single 	Roth	-10°	0°	10°	-	No	3.5	Yes	-	351-633	351-634	351-733	351-734
	MBT	-14°	0°	10°	-	No	3.5	Yes	-	351-273	351-274	351-373	351-374
	Edgewise	0°	0°	0°	-	No	3.5	Yes	-	351-001	351-002	351-101	351-102

Buccal Tubes System

L = LOWER

LOWER										Slot .018		Slot .022	
Tooth	Prescription	Torque	Angulation	Offset Distal	Occlusal Gingival	Convertible	Length (mm)	Width Distal	Hdgr Tube	Right	Left	Right	Left
First Molar Single 	Roth	-25°	0°	5°	-	Yes	3.5	Yes	-	351-813	351-814	351-913	351-914
	MBT	-20°	0°	0°	-	Yes	3.5	Yes	-	351-815	351-816	351-915	351-916
First Molar Convertible Double 	Roth - Retangular	-25°	0°	5°	G	Yes	3.5	Yes	-	351-828	351-829	351-928	351-929
	Roth - Pla	-25°	0°	5°	G	Yes	3.5	Yes	.045	351-817	351-818	351-917	351-918
	MBT - Retangular	-20°	0°	0°	G	Yes	3.5	Yes	-	351-819	351-820	351-923	351-924
	MBT - Pla	-20°	0°	0°	G	Yes	3.5	Yes	.045	351-291	351-292	351-391	351-392
	Rickets - U/L - ED	0°	0°	0°	O/G	No	3.5	Yes	-	351-015	351-015	-	-
Second Molar Single 	Roth	-25°	0°	5°	-	No	3.5	Yes	-	351-653	351-654	351-753	351-754
	MBT	-10°	0°	0°	-	No	3.5	Yes	-	351-293	351-294	351-393	351-394
	Edgewise	0°	0°	0°	-	No	3.5	Yes	-	351-001	351-002	351-101	351-102

Bands and Bands with Tubes



Abzil bands have an optimal finishing for a perfect adaptation to teeth shape, maintaining the integrity of the enamel when placing and removing the bands. There are no burrs on the occlusal and gingival edges, not damaging the enamel.

Characteristics and Benefits

Anatomical design:
Better adaptation to teeth

Smooth edges and no burrs:
No damage to teeth

Polished outer surface:
Preventing plaque retention

Laser ID marking:
Easy identification

Note: Prewelded tubes are available. For further information, please contact our customer service department.



Upper Right 1st and 2nd Molars

Upper Left 1st and 2nd Molars

Lower Right 1st Molar

Lower Left 1st Molar

Lower Right 2nd Molar

Lower Left 2nd Molar

Upper Right and Left 1st and 2nd Bicuspids

Lower Right and Left 1st Bicuspids

Lower Right and Left 2nd Bicuspids

Bands and Bands with Tubes

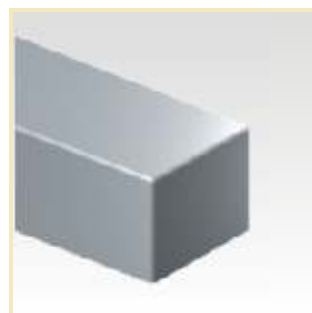
U = UPPER

1 st / 2 nd Bicuspid		1 st Molar U6R		2 nd Molar U7R		1 st Molar U6L		2 nd Molar U7L	
1	104-001	29,5	144-501	29,5	147-501	29,5	144-601	29,5	147-601
2	104-002	30	144-502	31,5	147-502	30	144-602	30	147-602
3	104-003	30,5	144-503	30,5	147-503	30,5	144-603	30,5	147-603
4	104-004	31	144-504	31	147-504	31	144-604	31	147-604
5	104-005	31,5	144-505	31,5	147-505	31,5	144-605	31,5	147-605
6	104-006	32	144-506	32	147-506	32	144-606	32	147-606
7	104-007	32,5	144-507	32,5	147-507	32,5	144-607	32,5	147-607
8	104-008	33	144-508	3	147-508	33	144-608	33	147-608
9	104-009	33,5	144-509	3,5	147-509	33,5	144-609	3,5	147-609
10	104-010	34	144-510	34	147-510	34	144-610	34	147-610
11	104-011	34,5	144-511	34,5	147-511	34,5	144-611	34,5	147-611
12	104-012	35	144-512	35	147-512	35	144-612	35	147-612
13	104-013	35,5	144-513	35,5	147-513	35,5	144-613	35,5	147-613
14	104-014	36	144-514	36	147-514	36	144-614	36	147-614
15	104-015	36,5	144-515	36,5	147-515	36,5	144-615	36,5	147-615
16	104-016	37	144-516	37	147-516	37	144-616	37	147-616
17	104-017	37,5	144-517	37,5	147-517	37,5	144-617	37,5	147-617
18	104-018	38	144-518	38	147-518	38	144-618	38	147-618
19	104-019	38,5	144-519	38,5	147-519	38,5	144-619	38,5	147-619
20	104-020	39	144-520	39	147-520	39	144-620	39	147-620
21	104-021	39,5	144-521	39,5	147-521	39,5	144-621	39,5	147-621
22	104-022	40	144-522	40	147-522	40	144-622	40	147-622
23	104-023	40,5	144-523	40,5	147-523	40,5	144-623	40,5	147-623
24	104-024	41	144-524	41	147-524	41	144-624	41	147-624
25	104-025	41,5	144-525	41,5	147-525	41,5	144-625	41,5	147-625
26	104-026	42	144-526	42	147-526	42	144-626	42	147-626
		42,5	144-527	42,5	147-527	42,5	144-627	42,5	147-627
		43	144-528	43	147-528	43	144-628	43	147-628
		43,5	144-529	43,5	147-529	43,5	144-629	43,5	147-629
		44	144-530	44	147-530	44	144-630	44	147-630

L = LOWER

1st Bicuspid		2nd Bicuspid		1st Molar L6R		2nd Molar L7R		1st Molar L6L		2nd Molar L7L	
1	104-201	1	104-301	29,5	144-701	29,5	147-701	29,5	144-801	29,5	147-801
2	104-202	2	104-302	30	144-702	31,5	147-702	30	144-802	30	147-802
3	104-203	3	104-303	30,5	144-703	30,5	147-703	30,5	144-803	30,5	147-803
4	104-204	4	104-304	31	144-704	31	147-704	31	144-804	31	147-804
5	104-205	5	104-305	31,5	144-705	31,5	147-705	31,5	144-805	31,5	147-805
6	104-206	6	104-306	32	144-706	32	147-706	32	144-806	32	147-806
7	104-207	7	104-307	32,5	144-707	32,5	147-707	32,5	144-807	32,5	147-807
8	104-208	8	104-308	33	144-708	3	147-708	33	144-808	33	147-808
9	104-209	9	104-309	33,5	144-709	3,5	147-709	33,5	144-809	3,5	147-809
10	104-210	10	104-310	34	144-710	34	147-710	34	144-810	34	147-810
11	104-211	11	104-311	34,5	144-711	34,5	147-711	34,5	144-811	34,5	147-811
12	104-212	12	104-312	35	144-712	35	147-712	35	144-812	35	147-812
13	104-213	13	104-313	35,5	144-713	35,5	147-713	35,5	144-813	35,5	147-813
14	104-214	14	104-314	36	144-714	36	147-714	36	144-814	36	147-814
15	104-215	15	104-315	36,5	144-715	36,5	147-715	36,5	144-815	36,5	147-815
16	104-216	16	104-316	37	144-716	37	147-716	37	144-816	37	147-816
17	104-217	17	104-317	37,5	144-717	37,5	147-717	37,5	144-817	37,5	147-817
18	104-218	18	104-318	38	144-718	38	147-718	38	144-818	38	147-818
19	104-219	19	104-319	38,5	144-719	38,5	147-719	38,5	144-819	38,5	147-819
20	104-220	20	104-320	39	144-720	39	147-720	39	144-820	39	147-820
21	104-221	21	104-321	39,5	144-721	39,5	147-721	39,5	144-821	39,5	147-821
22	104-222	22	104-322	40	144-722	40	147-722	40	144-822	40	147-822
23	104-223	23	104-323	40,5	144-723	40,5	147-723	40,5	144-823	40,5	147-823
24	104-224	24	104-324	41	144-724	41	147-724	41	144-824	41	147-824
25	104-225	25	104-325	41,5	144-725	41,5	147-725	41,5	144-825	41,5	147-825
26	104-226	26	104-326	42	144-726	42	147-726	42	144-826	42	147-826
				42,5	144-727			42,5	144-827		
				43	144-728			43	144-828		
				43,5	144-729			43,5	144-829		
				44	144-730			44	144-830		

Archwires, Straight Lengths and Springs



A variation of Nitinol Archwires
A variation of Stainless Steel Archwires
Several Straight Lengths
A large variety of Nitinol Springs

Heat-Activated

This wire is heat activated by mouth temperature.
It delivers light continuous forces, moving teeth with less discomfort to patient.

Arch form Medium



Round

.014
.016
.018
.020

Upper

536-214
536-216
536-218
536-220

Lower

536-314
536-316
536-318
536-320



Rectangular

.016 x .016
.016 x .022
.017 x .025
.018 x .025
.019 x .025
.021 x .025

Upper

536-261
536-262
536-264
536-266
536-267
536-268

Lower

536-361
536-362
536-364
536-366
536-367
536-368

Reverse Curve

This is a malleable and easy to install wire. It is used mainly for the correction of accentuated curve of spee.

Arch form Medium



Round

.012
.014
.016
.018
.020

Upper

517-812
517-814
517-816
517-818
517-820

Lower

517-912
517-914
517-916
517-918
517-920



Rectangular

.016 x .016
.016 x .022
.017 x .025
.018 x .025
.019 x .025
.021 x .025

Upper

517-860
517-862
517-864
517-865
517-867
517-868

Lower

517-960
517-962
517-964
517-965
517-967
517-968

Super-Elastic

It is easy to engage and provides light continuous forces. It can be used after engaging Heat-Activated wires. This wire allows good torque control.

Arch form Medium



Round

.012
.014
.016
.018
.020

Upper

510-212
510-214
510-216
510-218
510-220

Lower

510-312
510-314
510-316
510-318
510-320



Rectangular

.016 x .016
.016 x .022
.017 x .025
.018 x .025
.019 x .025
.021 x .025

Upper

510-261
510-262
510-264
510-266
510-267
510-268

Lower

510-361
510-362
510-364
510-366
510-367
510-368

Arch form Large



Round

.012
.014
.016
.018
.020

Upper

517-212
517-214
517-216
517-218
517-220

Lower

517-312
517-314
517-316
517-318
517-320



Rectangular

.016 x .016
.016 x .022
.017 x .025
.018 x .025
.019 x .025
.021 x .025

Upper

517-261
517-262
517-264
517-266
517-267
517-268

Lower

517-361
517-362
517-364
517-366
517-367
517-368

Stainless Steel

Manufactured with high quality 304-V steel. This special metal provides optimum flexibility, decreasing breakage.

Arch form Medium



Round

.012
.014
.016
.018
.020

Upper

522-812
522-814
522-816
522-818
522-820

Lower

522-912
522-914
522-916
522-918
522-920

Rectangular

.016 x .016
.016 x .022
.017 x .025
.018 x .025
.019 x .025
.021 x .025

Upper

522-861
522-862
522-864
522-866
522-867
522-868

Lower

522-961
522-962
522-964
522-966
522-967
522-968



Arch form Large



Round

.012
.014
.016
.018
.020

Upper

522-212
522-214
522-216
522-218
522-220

Lower

522-312
522-314
522-316
522-318
522-320

Rectangular

.016 x .016
.016 x .022
.017 x .025
.018 x .025
.019 x .025
.021 x .025

Upper

522-261
522-262
522-264
522-266
522-267
522-268

Lower

522-361
522-362
522-364
522-366
522-367
522-368



Straight Lengths

Manufactured with high quality 304-V steel. This special metal provides optimum flexibility, decreasing breakage.

20 per tube



14" - Round

Code

.012	502-112
.014	502-114
.016	502-116
.018	502-118
.020	502-120

10 per tube



14"- Rectangular

Code

.016 x .016	502-161
.016 x .022	502-162
.017 x .025	502-164
.018 x .025	502-166
.019 x .025	502-167
.021 x .025	502-168

Elgiloy - Blue Temper
Appropriate for tempering when working on the wire.

10 per tube

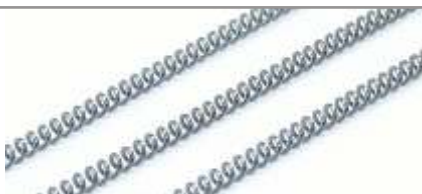


Rectangular

Code

.016 x .016	520-161
.016 x .022	520-162

Open Coil Spring



Force	Diameter	Length	Package	Code
Average	010x030	17 cm	3 per tube	410-142

Distalizing Spring - Open and Closed



Force	Diameter	Length	Package	Code
Average	010x030	17 cm	3 per tube	410-100

Coil Spring



Force	Diameter	Length	Package	Code
Variable	010x030	9 mm	10 per box	410-108
Variable	010x030	12 mm	10 per box	410-109

Elastics



'O' Ligatures
Separator Modules
Elastomeric Ligatures
Elastomeric Chains
Intraoral Elastics

'O' Ligature

Diameter .110



1.000 ligatures per pack

*Colors depicted are similar to the actual product.

Color*

Code

	Yellow	450-110
	Baby Blue	450-128
	Light Blue	450-115
	Dark Blue	450-105
	Navy Blue	450-126
	Gray	450-102
	Clear	450-101
	Assorted Package	450-100
	Orange	450-109
	Lilac	450-112
	Pink	450-106
	Silver	450-116
	Black	450-108
	Rose	450-127
	Purple	450-107
	Dark Green	450-111
	Metallic Green	450-119
	Extreme Green	450-120
	Red	450-104
	Violet	450-118

Separator Modules

Diameter

Color*

Code



960 separators per pack

*Colors depicted are similar to the actual product.

	Blue	466-424
	Blue	466-426 (Radiopaque)

Elastomeric Ligatures

Elastomeric ligatures are available with two options: patient stick and universal stick.
Both have a .115 diameter and each package contains, approximately, 1000 elastomeric ligatures.

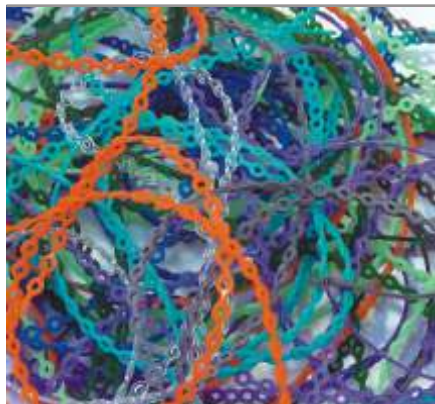
Color*			
		Patient Stick • 24 elastomeric ligatures • 42 sticks per pack • 1008 elastomeric ligatures per pack	
			Universal Stick • 12 sticks per pack • 1008 elastomeric chains per pack
	Yellow	466-610	466-710
	Baby Blue	466-628	466-728
	Light Blue	466-615	466-715
	Dark Blue	466-605	466-705
	Dark Blue Metallic	466-614	466-714
	Mediterranean Blue	466-629	466-729
	Navy Blue	466-626	466-726
	White	466-603	466-703
	Gray	466-602	466-702
	Clear	466-601	466-701
	Assorted Package	466-600	466-700
	Orange	466-609	466-709
	Lilac	466-612	466-712
	Pink	466-606	466-706
	Silver	466-616	466-716
	Black	466-608	466-708
	Rose	466-627	466-727
	Baby Rose	466-624	466-724
	Fuschia	466-625	466-725
	Purple	466-607	466-707
	Green	466-621	466-721
	Light Green	466-622	466-722
	Metallic Green	466-619	466-719
	Dark Green	466-611	466-711
	Extreme Green	466-620	466-720
	Red	466-604	466-704
	Red Metallic	466-623	466-723
	Violet	466-618	466-718

*Colors depicted are similar to the actual product.

Elastomeric Chains

Elastomeric chains are available in 10 different colors and with three different sizes: small, medium and large. They can be placed in our elastic dispenser.

4.6 meters per bobbin



Color*	 Small	 Medium	 Large
 Yellow	467-710	467-810	467-910
 Light Blue	467-715	467-815	467-915
 Dark Blue Metallic	467-714	467-814	467-914
 Dark Blue	467-705	467-805	467-905
 Navy Blue	467-726	467-826	467-926
 White	467-703	467-803	467-903
 Gray	467-702	467-802	467-902
 Clear	467-701	467-801	467-901
 Golden	467-717	467-817	467-917
 Orange	467-709	467-809	467-909
 Lilac	467-712	467-812	467-912
 Pink	467-706	467-806	467-906
 Silver	467-716	467-816	467-916
 Black	467-708	467-808	467-908
 Rose	467-725	467-825	467-925
 Purple	467-707	467-807	467-907
 Green	467-721	467-821	467-921
 Light Green	467-722	467-822	467-922
 Dark Green	467-711	467-811	467-911
 Metallic Green	467-719	467-819	467-919
 Emerald Green	467-723	467-823	467-923
 Extreme Green	467-720	467-820	467-920
 Red	467-704	467-804	467-904
 Violet	467-718	467-818	467-918

*Colors depicted are similar to the actual product.

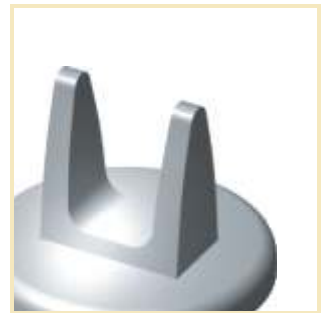
Intraoral

They provide stable and continuous force.



Diameter	LIGHT Force 2.5oz = 71g	MEDIUM Force 4.5oz = 127g	HEAVY Force 6.5oz = 184g	Package
1/8	464-100	464-102	464-104	1000 per pack
3/16	464-200	464-202	464-204	1000 per pack
1/4	464-300	464-302	464-304	1000 per pack
5/16	464-400	464-402	464-404	1000 per pack
3/8	464-500	464-502	464-504	1000 per pack
1/2	463-200	463-202	463-204	100 per pack

Attachments



Palatal Bar Sheaths
Spur
Lingual Button
Ram Cleats Hooks

Palatal Bar Sheaths

	Width	Code
 Palatal Bar Lingual Sheath with window and hook.	.036 - U/R, L/L	425-002
 Palatal Bar Lingual Sheath with window and lock, without hook.	.036 - U/L, L/R .036 - U/R, U/L, L/L, LR .036 - U/R, L/L	425-003 425-011 425-013
 Palatal Bar Lingual Sheath with window and lock, with hook (mesial or distal).	.036 - U/L, L/R	425-014

Spur

	Package	Code
 Nogueira® Bondable Spur. A new proposal when treating atypical deglutition. Dr. Francisco Ferreira Nogueira	10 per pack	425-810

Lingual Button

Lingual button mushroom head highly polished with suitable profile to hold elastics.

Bondable Lingual Buttons 10 per pack	Base	Code
	.036 - U/L, L/R	400-201
	.036 - U/R, U/L, L/L, LR	400-202
Welding Lingual Buttons 10 per pack		
	Flat	400-005
	Curved	400-006
	Over curved	400-007
Bondable mini-buttons 10 per pack	Package	Code
	10 per pack	400-213

Ram Cleats Hooks

Versatile lingual attachments that can be used as a hook or as a seating cleat.

Welding 10 per pack	Position	Code
	Anterior, Cuspid and Bicuspid	400-002
	Molar	400-003

Notes

[illegible]





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