

ISOLATION AND FIXATION

# HySolate Dental Dam

Upgrade your isolation



 COLTENE

# Upgrade Your Isolation

Complete isolation with dental dam is crucial in Endodontic and Restorative dentistry. It helps produce a dry working field to ensure both reliable and high-quality treatment results, protects patients from aspiration or ingestion of foreign objects, and protects soft tissue from contact with other instruments. Studies show that dental dam is also

an effective infection control barrier and can significantly reduce the load of possible infectious airborne particles and minimize saliva and blood contaminated aerosol or spatter.<sup>1,2</sup> For decades COLTENE has produced a comprehensive portfolio of high-quality dental dam, clamps, and accessories. Upgrade your Isolation with COLTENE.



## COMPREHENSIVE

We offer a comprehensive line of products to help isolate in each clinical situation.



## SIMPLE

Dental dam application is actually a simple process. Choose the best possible material to meet your specific treatment needs as we guide you through the selection process.



## SOLUTION DRIVEN

Our high quality products are engineered to facilitate isolation. Our products and training materials are the bridge that connect solutions with your treatment requirements.



1) Peng, X., Xu, X., Li, Y. et al. Transmission routes of 2019-nCoV and controls in dental practice. Int J Oral Sci 12, 9 (2020). <https://doi.org/10.1038/s41368-020-0075-9>

2) Cochran, M. et.al. The efficacy of the rubber dam as a barrier to the spread of microorganisms during dental treatment, JADA 119, 1 (1989)

# Benefits



Absolute dryness



Unblocked field  
of vision on the  
treatment area



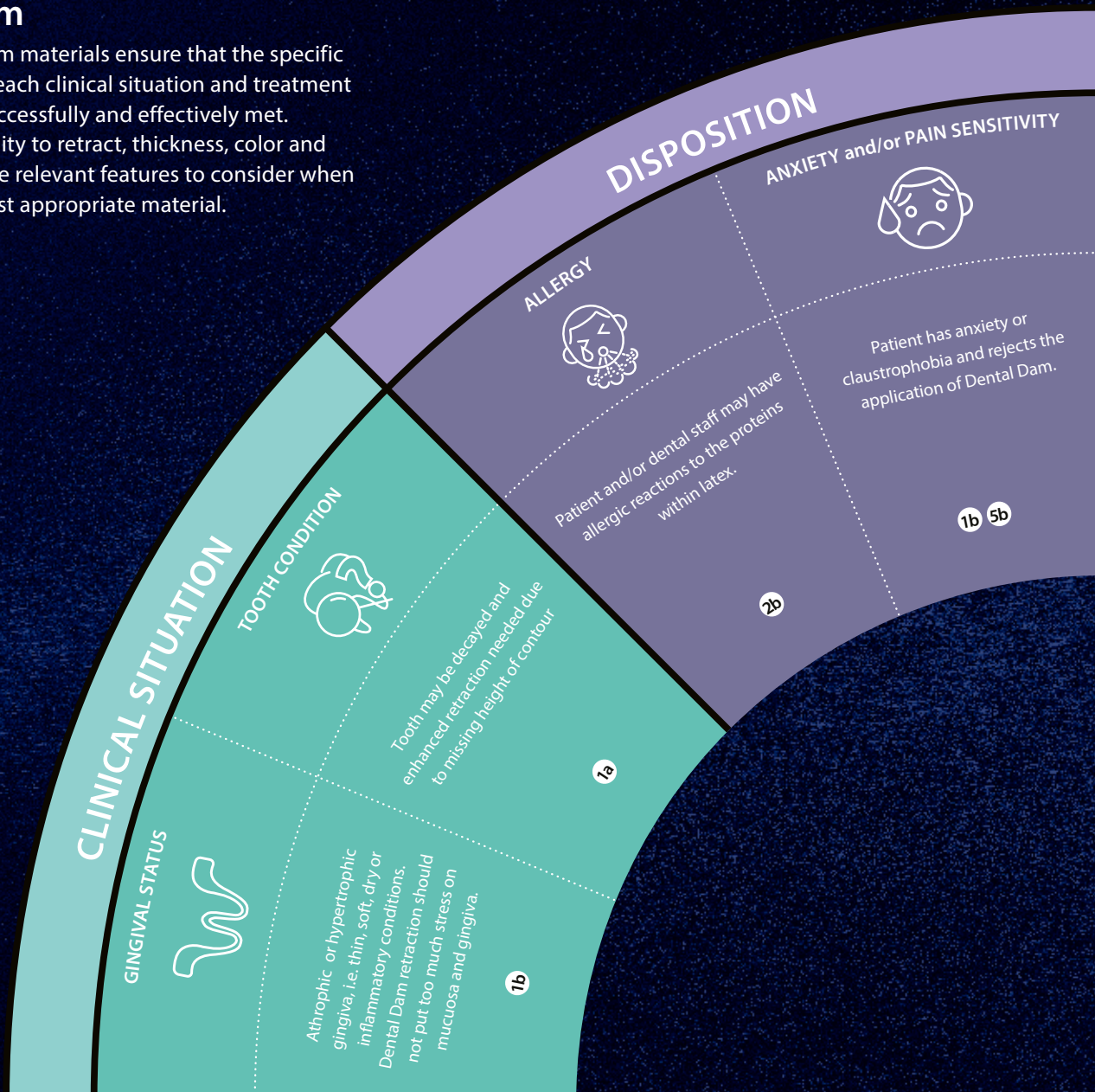
Safety and  
protection



# Selection Guidelines

## Dental Dam

Our variety of dam materials ensure that the specific requirements of each clinical situation and treatment procedure are successfully and effectively met. Elasticity, the ability to retract, thickness, color and non-allergenic are relevant features to consider when choosing the most appropriate material.



## Recommendations

### RETRACTION

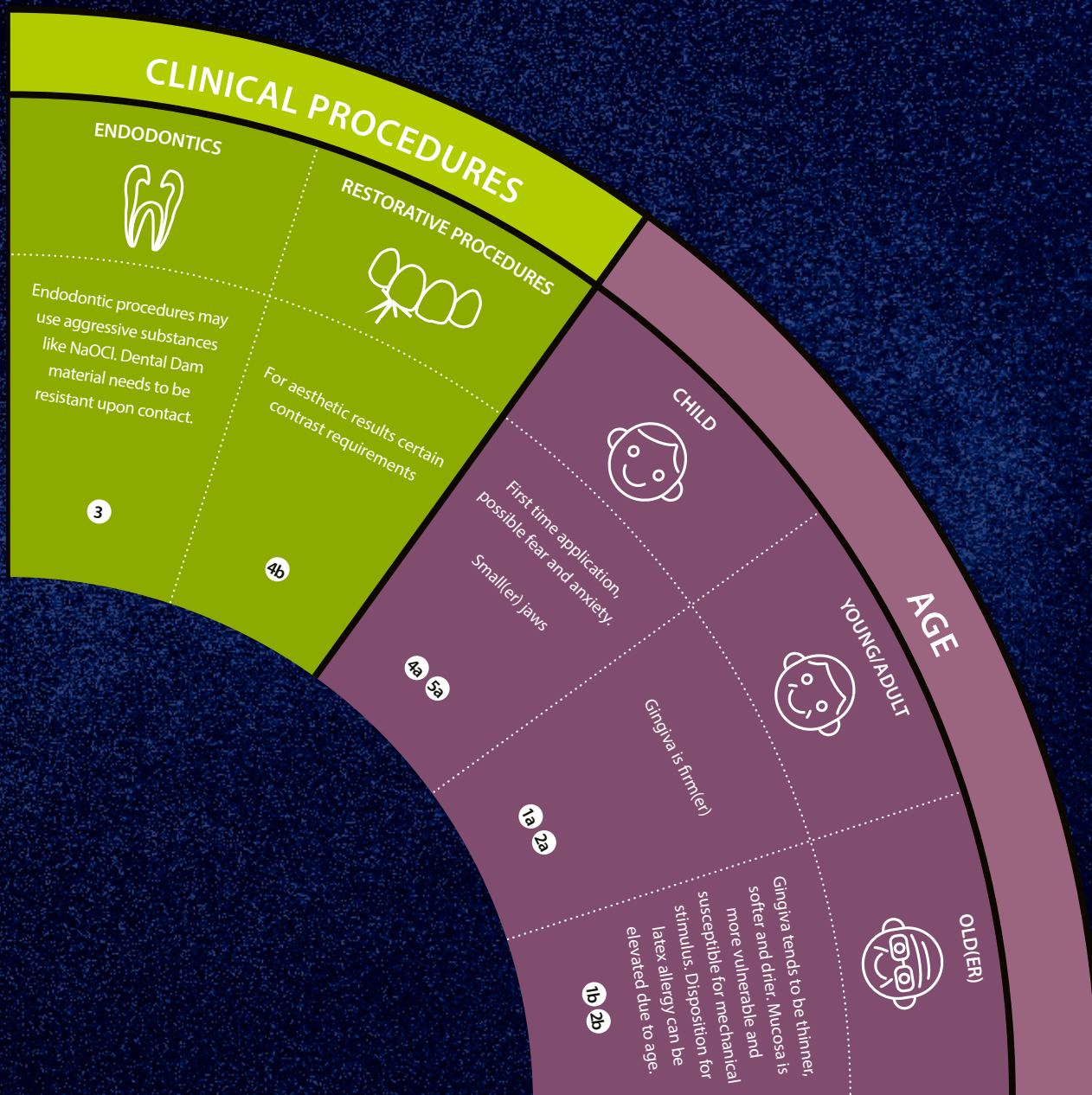
- 1a**  
Choose latex dental dam. Thicker dam allows for better retraction for a tight fit around the isolated area.
- 1b**  
Choose a more flexible and thinner dental dam with less retraction which will ease any stress on the gingiva.

### ALLERGENS

- 2a**  
Choose powder-free, low protein dental dam to reduce the exposure to latex proteins and minimize the risk of developing a latex allergy.
- 2b**  
Choose a non-latex dam and avoid allergic reactions on latex proteins.

### RESISTANCE

- 3**  
Choose latex dental dam as it affords the highest resistance to contact of foreign substances.



### COLOUR OPTIONS

- 4a** Use psychology and education to take advantage of light and pleasant colours for a calming effect.
- 4b** Choose a darker dental dam to reduce eye fatigue and provide a good contrast to the working area.

### SIZE AND APPLICATION AIDS

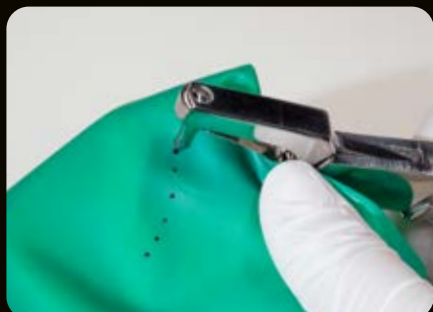
- 5a** Choose 127 x 127 mm dental dam for smaller patients.
- 5b** Choose Flexi Dam with built-in flexible frame for less stress on the patient.

### GENERAL RECOMMENDATIONS

- › Cut out the dental dam sheet so that nose breathing is possible
- › Put Parotisroll on the upper lip to create space between nose and the dental dam sheet
- › Use Dental Dam napkins to ease the contact of the dam material with the skin

# HySolate Dental Dam Portfolio

## Application



## NON LATEX

### Dental Dam Standard Non-Latex

Made of a resistant material with latex resembling retraction properties. Ideal for strong retraction.

### Flexi Dam Non-Latex

HySolate Flexi Dam Non-Latex is made of an elastomer and performs with high elasticity while tension is moderate. Extra elastic and latex-free Dental Dam for soft retraction.

### Flexi Dam Non-Latex Framed

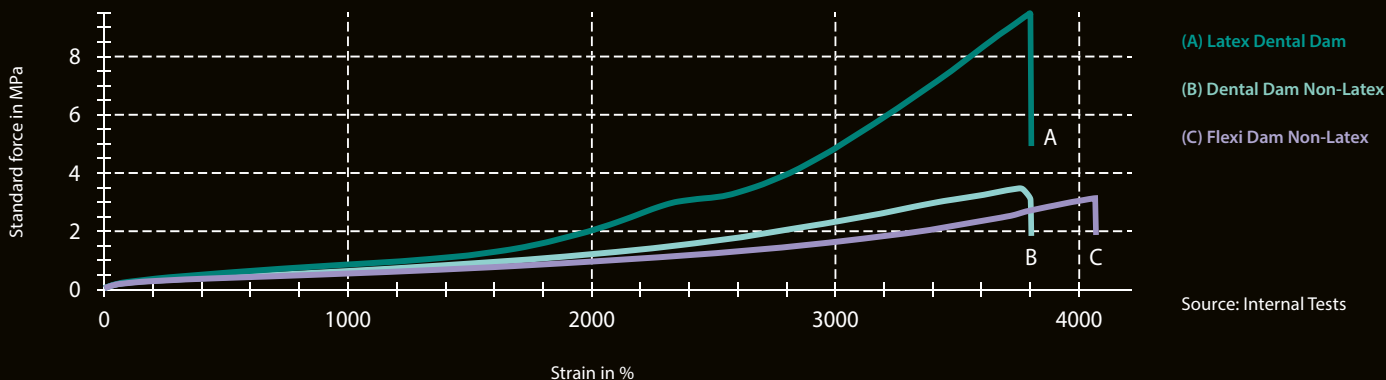
HySolate Flexi Dam Framed is equipped with a built-in-frame. You can get started without the need to have a frame at hand. The flexible frame is designed with working size of 100 x 105 mm to ensure for easy fitting.



	Dental Dam Non-Latex	Flexi Dam Non-Latex	Flexi Dam Non-Latex Framed
Retraction	×××	×	×
Elasticity	—————	—————	—————
Framed	-	-	✓
Pre-printed	-	-	-
Thickness	medium	medium	medium
Colours	■	■ ■ ■	■
Scent	-	-	-
Children Size 127 x 127 mm	✓	-	-

# Stress-strain diagram

**Flexi Dam Non-Latex** performs with high elasticity while tension is moderate. It is ideal for softer retraction. **Dental Dam Non-Latex** is not as elastic as Flexi Dam while showing higher tension. Retraction forces on the gingiva are higher. It is the latexfree alternative to latex when seeking strong retraction. **Latex Dental Dam** provides best possible retraction.



# LATEX

## Latex Dental Dam

HySolate Latex Dental Dam is made of pure, natural rubber latex and is powder free.<sup>1</sup> Powder free, low protein Dental Dam is a simple and clever measure to reduce the risk of developing latex hypersensitivity.

## Latex Dental Dam BLACK EDITION pre-printed

The black Dental Dam has the template for marking the tooth position printed on. This saves the working step of marking the dam before punching. The black color provides ultimate, clear contrast and is ideal for taking photographs.

## Fiesta Latex Dental Dam

Fruit scented powder free latex dam for greater patient and staff comfort. Each box contains an assortment of purple, blue and pink colored sheets.

<sup>1</sup> Powder content < 50µg/dm<sup>2</sup>  
Protein content < 2 mg/sheet

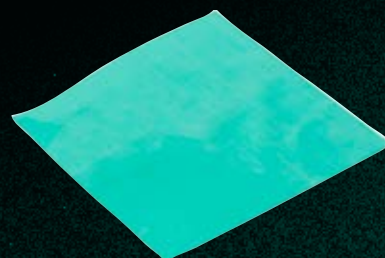


Latex Dental Dam	Latex Dental Dam pre-printed	Fiesta Latex Dental Dam
xxxxx	xxxxx	xxxxx
-	-	-
-	✓	-
thin, medium, heavy, extra heavy	thin, medium, heavy, extra heavy	thin, medium, heavy, extra heavy
-	-	✓
✓	-	✓

# Order Information

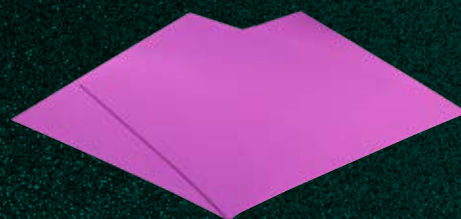
## HySolate Dental Dam Non-Latex

SIZE	COLOUR	THICKNESS	CONTENT
		medium	Sheets
152 × 152	Green	H09105	15
		H09106	75
127 × 127	Green	H09928	15



## HySolate Flexi Dam Non-Latex

SIZE	COLOUR	THICKNESS	CONTENT
		medium	Sheets
152 × 152	Purple	H09945	30
	Green	H09946	



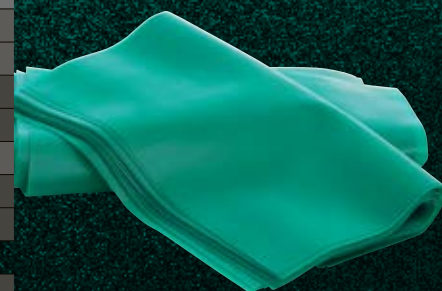
## HySolate Flexi Dam Non-Latex Framed

SIZE	COLOUR	THICKNESS	CONTENT
		medium	Sheets
100 × 105	Purple Framed	H00750	20



## HySolate Latex Dental Dam

SIZE	COLOUR	THICKNESS				CONTENT
		thin	medium	heavy	x-heavy	
152 × 152	Green	60034418	60034419	60034420	60034421	36
		-	60034423	-	-	360
	Black pre-printed	60031351	60031352	60031353	60031354	36
		-	60031355	-	-	360
	Blue	-	60034442	60034443	-	36
	Light	60034427	60034428	60034429	60034430	36
		-	60034431	-	-	360
	127 × 127	Green	60034414	60034415	60034416	60034417
-			60034422	-	-	364
Blue		-	60034441	-	-	52
Light		60034424	60034425	60034426	-	52
		-	60034432	-	-	364





# HySolate Fiesta Latex Dental Dam

SIZE	COLOUR	THICKNESS			CONTENT
		thin	medium	heavy	
152 x 152	Fiesta	60034433	60034436	60034438	36
		-	60034440	-	360

127 x 127	Fiesta	60034434	60034435	60034437	52
		-	60034439	-	364



## Dental Dam Kits

REF	DESCRIPTION	DENTAL DAM	PUNCH & FORCEPS
H02778	Winged Complete Kit	Latex green	Premium
H02900	Winged Simple Dam Kit	Black pre-printed	Standard
H02790	Wingless Complete Kit	Latex green	Premium
H02779	Winged Standard Kit		None

All kits include Fiesta clamps, plastic frame and Wedjets.



## Punch

REF  
H01261



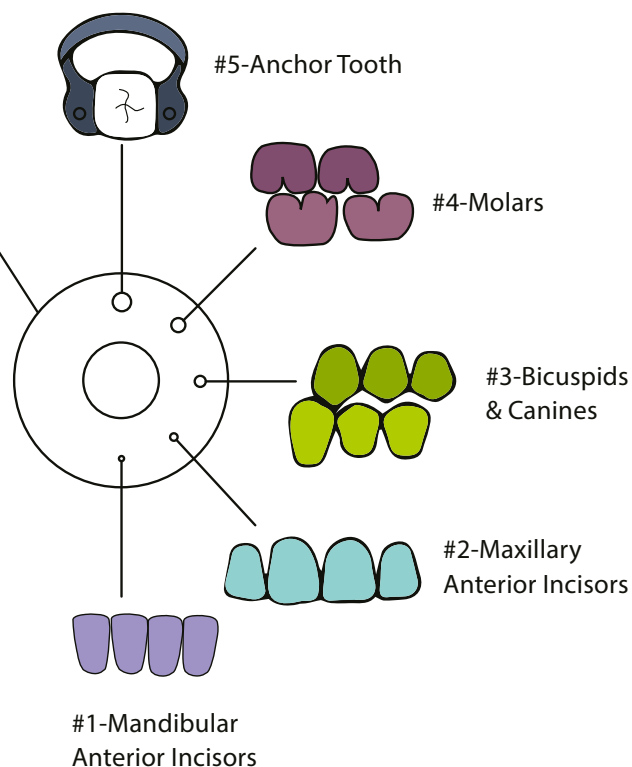
Ainsworth-style stainless steel punch with 5 holes between 1,0 and 2,3 mm in diameter. The Ainsworth punch has the hinge-joint behind the die plate.

## Forceps

REF  
H01262



The light-weight forceps with a comfortable grip facilitates the secure transfer and fixation of Dental Dam clamps to the tooth.

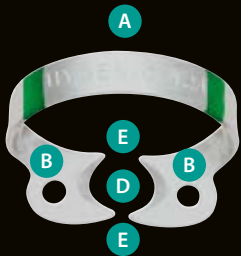


# Fixation

## Clamps

Dental dam fit partly depends on how it is secured to the teeth. COLTENE makes fixation simple with both Wingless and Winged clamps. Winged clamps have projections at the jaws while wingless do not. Our aim is to accommodate application techniques with any dentist's style. Our dental dam clamps are manufactured from high quality stainless steel for greater durability.

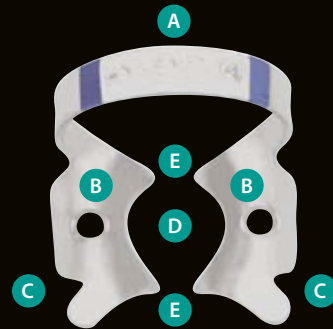
### WINGLESS



- A Distal Bow
- B Jaws
- C Wings
- D Beak
- E Contact points

Wingless clamps are positioned intra-orally first and then the dam is stretched over the clamp and tooth. Our wingless clamps are designated with a W for easy identification.

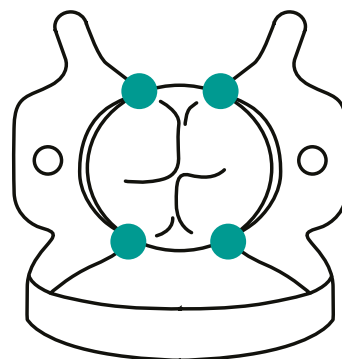
### WINGED



Winged clamps combine steps by placing the dam, clamp and frame simultaneously. Once applied, the dam is stretched off the wings of the clamp.

## Four-Point Contact

Select a clamp that will maintain four-point contact with the tooth's proximal surfaces. The clamp is positioned with the bow on the distal of the tooth. Universal clamps can be used on the left and the right side of both the upper and the lower jaw. Both clamp jaws are equal.



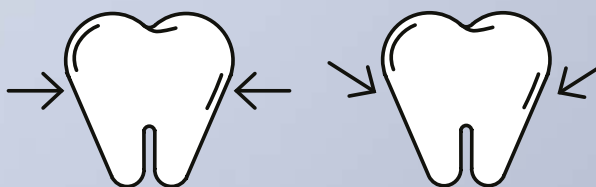
## Wedjets – Stabilization Cord 5

Wedjets elastic stabilizing cord provides a quick and easy way to retain dental dam and can complement or supplement clamp usage.



## Brinker Clamps 4

Extra inclined beaks provide maximum retraction without laceration of gingival tissues



Retention – horizontal effect

Retention – apical effect

- 1 Standard clamps
- 2 Fiesta colour coded clamps
- 3 Tiger clamps
- 4 Brinker clamps
- 5 Wedjets

# Select your clamps

Select a clamp that will maintain four-point contact with the tooth's proximal surfaces. The clamp is positioned with the bow on the distal of the tooth. Universal clamps can be used on the left and the right side of both the upper and the lower jaw. Both clamp jaws are equal. Our comprehensive selection of anatomical shapes help aid in quick and easy placement.

## Standard clamps

Gloss finished standard clamps.



**#W00**

Premolar



**#00**

Premolar

## Fiesta clamps

Each clamp is individually color coded for unmistakable identity. Experienced and novice associates will appreciate this time saving identification method when using Fiesta Color Coded Clamps.



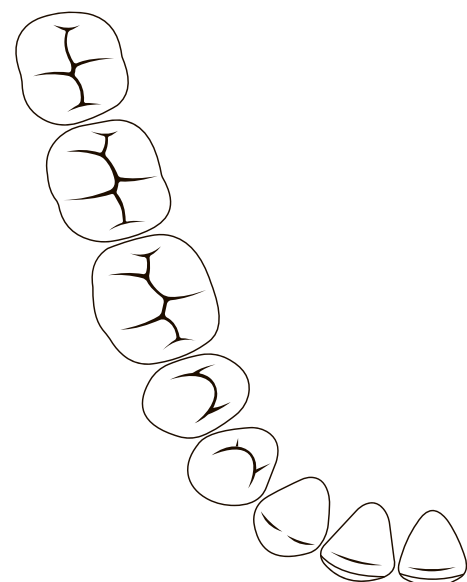
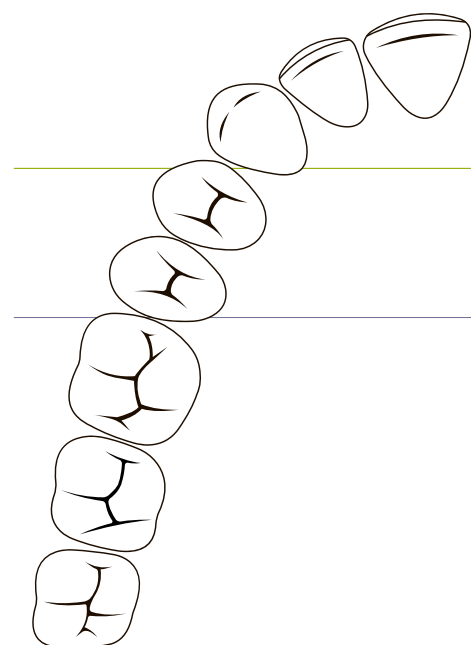
**#W9**

Anterior

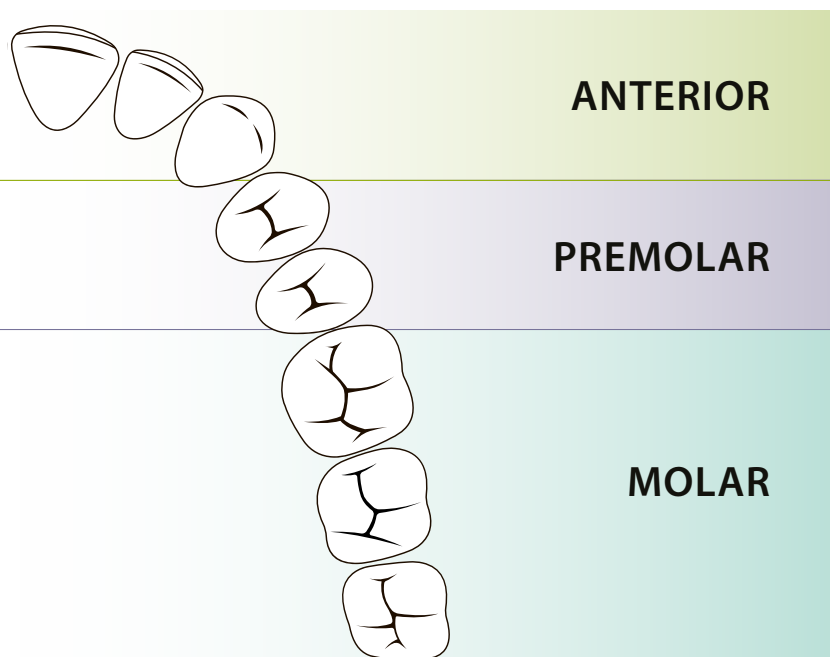


**#7**

Molar



		ANTERIOR SIZES					PREMOLAR SIZES						
Clamps		#9	#212	#B4	#B5	#B6	#00	#1	#2	#2A	#B4	#B5	#B6
Winged	Standard	x					x	x	x	x			
	Fiesta	x							x	x			
	Tiger												
Wingless	Standard	x	x				x		x	x			
	Fiesta	x							x	x			
	Brinker			x	x	x					x	x	x



### Tiger clamps

Clamps with serrated jaws to be used for structurally compromised tooth.



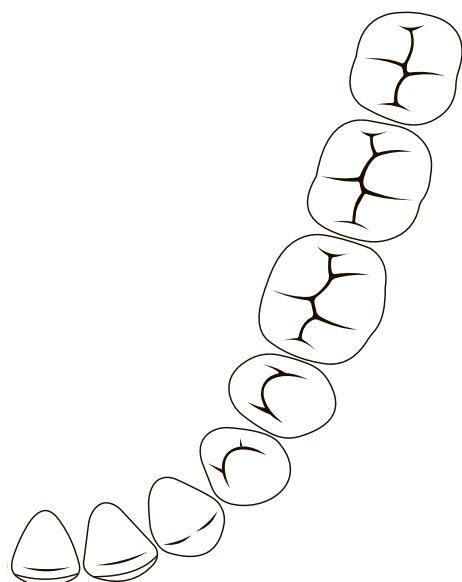
#12A

Molar  
Lower jaw right  
Upper jaw left



#13A

Molar  
Lower jaw left  
Upper jaw right



### Brinker clamps

Brinker Clamps have extra inclined beaks to provide maximum retraction of the gingiva. They provide maximum retraction without laceration of gingival tissues.



#B1

Molar  
Lower jaw right



#B2

Molar  
Upper jaw left

	MOLAR SIZES												
	#3	#4	#7	#8	#8A	#12A	#13A	#14	#14A	#56	#B1	#B2	#B3
	x	x	x	x	x			x	x				
		x	x		x	x	x		x				
						x	x						
	x		x	x	x			x	x	x			
	x		x	x	x				x	x			
											x	x	x

# Order Information

## WINGLESS

ANTERIOR



Standard | #W9  
H02770



Standard | #212  
H07792



Fiesta | #W9  
H02800



Brinker | #B4  
H01051



Brinker | #B5  
H01052



Brinker | #B6  
H01053

PREMOLAR



Standard | #W00  
H02769



Standard | #W2  
H02768



Standard | #W2A  
H02775



Fiesta | #W2  
H02794



Fiesta | #W2A  
H02795



Brinker | #B4  
H01051



Brinker | #B5  
H01052

MOLAR



Standard | #W3  
H03814



Standard | #W7  
H02765



Standard | #W8  
H02767



Standard | #W8A  
H02766



Standard | #W14  
H02774



Standard | #W14A  
H02764



Standard | #W56  
H03815



Fiesta | #W3  
H02796



Fiesta | #W7  
H02797



Fiesta | #W8  
H02798



Fiesta | #W8A  
H02799



Fiesta | #W14A  
H02802



Fiesta | #W56  
H02803



Brinker | #B1  
H01048



Brinker | #B2  
H01049



Brinker | #B3  
H01050

## CLAMP SETS

H02801 HYGENIC FIESTA 9W Colour Coded Wingless Clamp Pak  
 H09966 HYGENIC FIESTA 9 Colour Coded Winged Clamp Pak  
 H09956 HYGENIC FIESTA Colour Coded Clamp Organizer  
 H02701 HYGENIC Gloss Finish System-9 Winged Clamp Pak  
 H01054 HYGENIC Brinker Clamp Set

## WINGED



Standard | #9  
H02763



Fiesta | #9  
H09962



Standard | #00  
H02762



Standard | #1  
H02703



Standard | #2  
H02761



Standard | #2A  
H05688



Fiesta | #2  
H09957



Fiesta | #2A  
H09958



Standard | #3  
H05689



Standard | #4  
H02704



Standard | #7  
H02758



Standard | #8  
H02760



Standard | #8A  
H02759



Standard | #14  
H05690



Standard | #14A  
H02757



Tiger | #12A  
H02706



Tiger | #13A  
H02705



Fiesta | #4  
H09959



Fiesta | #7  
H09960



Fiesta | #8A  
H09961



Fiesta | #12A  
H09963



Fiesta | #13A  
H09964



Fiesta | #14A  
H09965

# Accessories

## Order Information

### Wedjets – Stabilization Cord

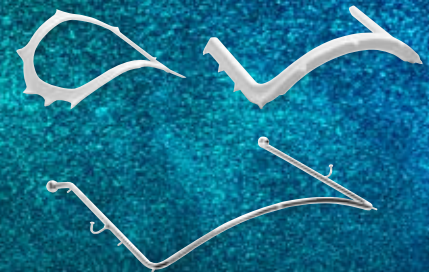
SIZE	LENGTH	COLOUR	REF
LATEX			
small	2.1 m	yellow	H06522
large		orange	H06523
NON-LATEX			
small	2.1 m	lime green	H06524
large		aqua blue	H06525



### Frames

TYPE	SIZE		REF
Ostby plastic frame – radiolucent	6"	152 mm	H00560
U-shaped plastic frame – radiolucent			H01414
U-shaped metal frame			H07083
U-shaped plastic frame – radiolucent	5"	127 mm	H01416
U-shaped metal frame			H07082

All frames may be autoclaved



### Template

TYPE	REF
6 x 6 Dam Template	H01441
5 x 5 Dam Template	H01440

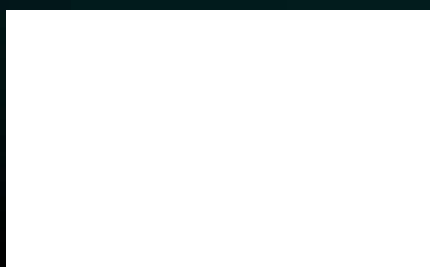


### Ora Shield

TYPE	CONTENT	REF
Regular for frame sizes 5" (127 mm) and 6" (152 mm)	50 pcs	H01415
Large for use with strap holder	50 pcs	H00841



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