

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



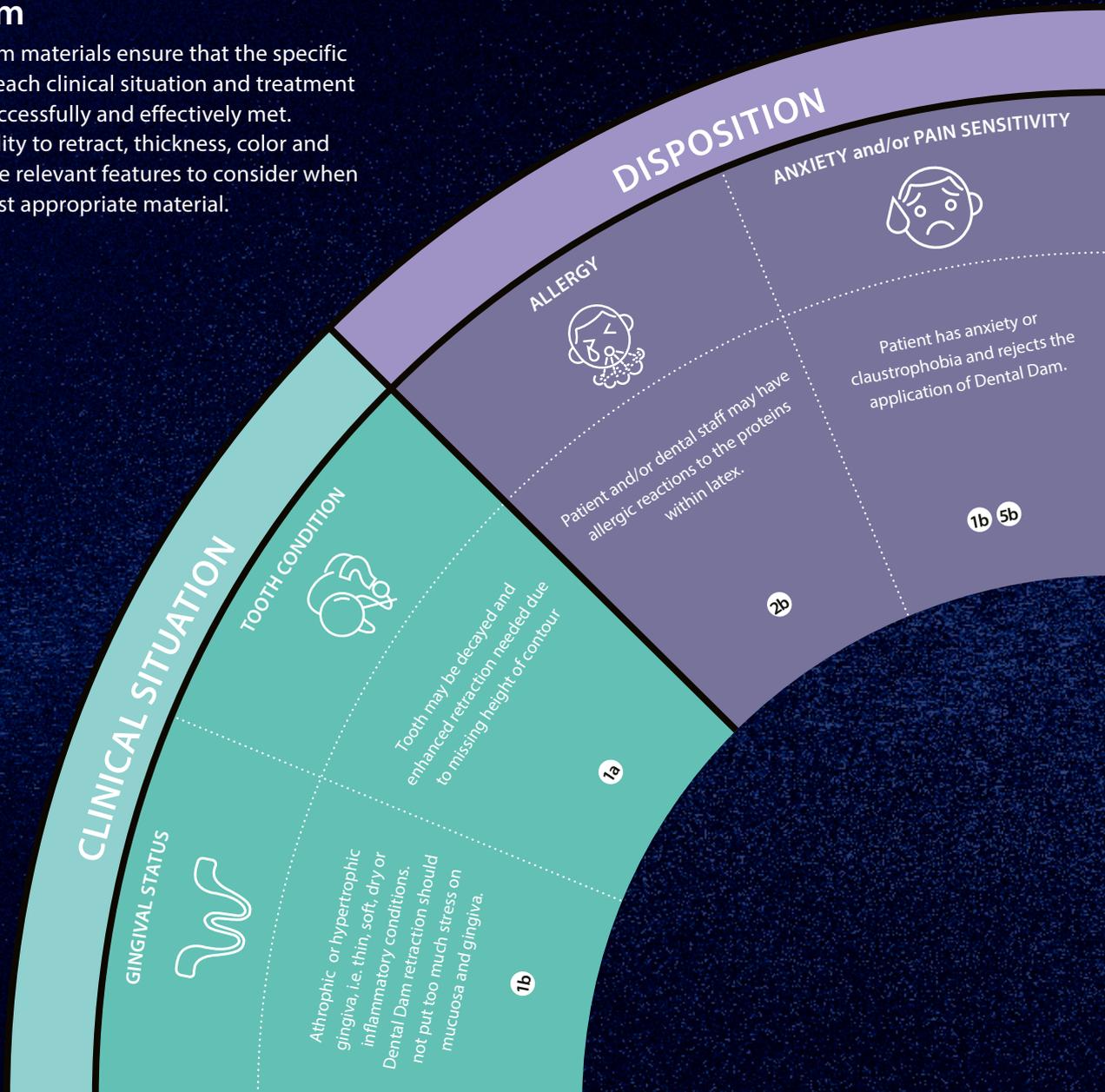
Safety and  
protection



# 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.

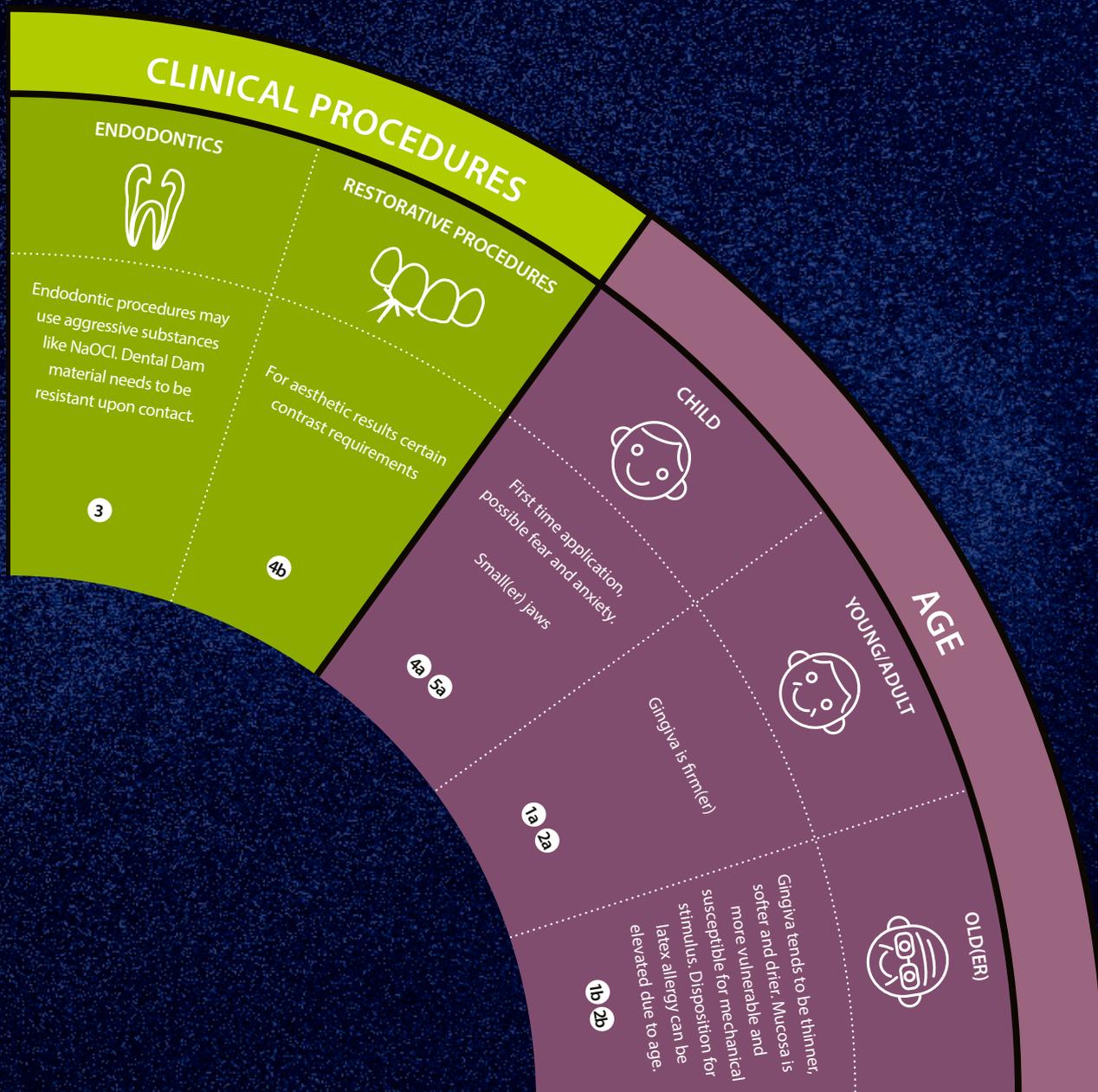
### ALLERGENS

**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

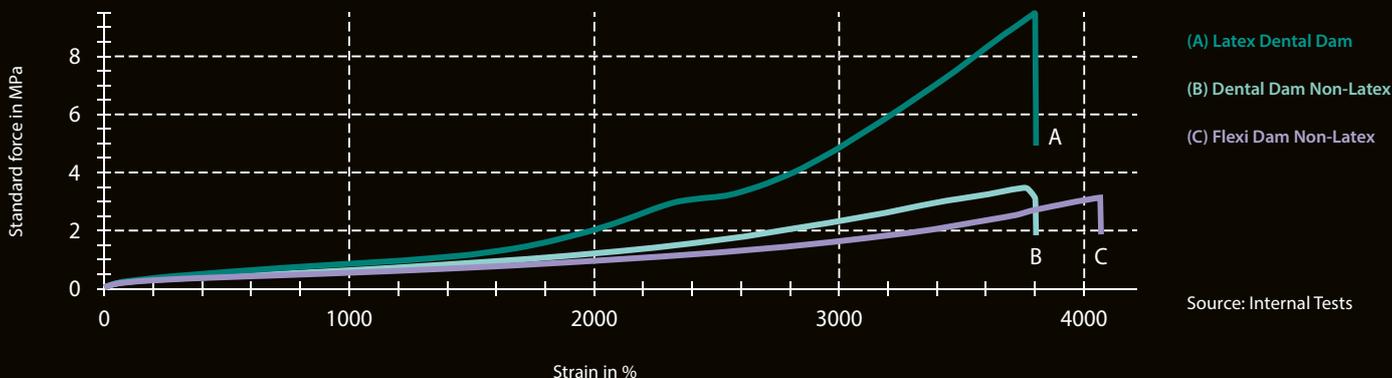
HySolate Flexi Dam Framed is equipped with a built-in-frame. You can get started without the need to have a frame at hand. The flexible frame is designed with working size of 100 x 105 mm to ensure for easy fitting.



|                               | 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<br>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

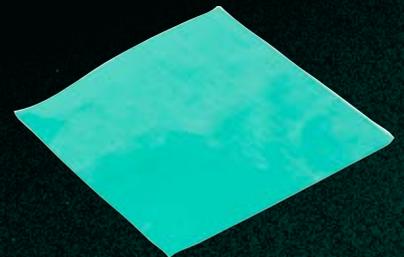


| Latex Dental Dam                 | Latex Dental Dam pre-printed     | Fiesta Latex Dental Dam          |
|----------------------------------|----------------------------------|----------------------------------|
| xxxxx                            | xxxxx                            | xxxxx                            |
|                                  |                                  |                                  |
| -                                | -                                | -                                |
| -                                | ✓                                | -                                |
| 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



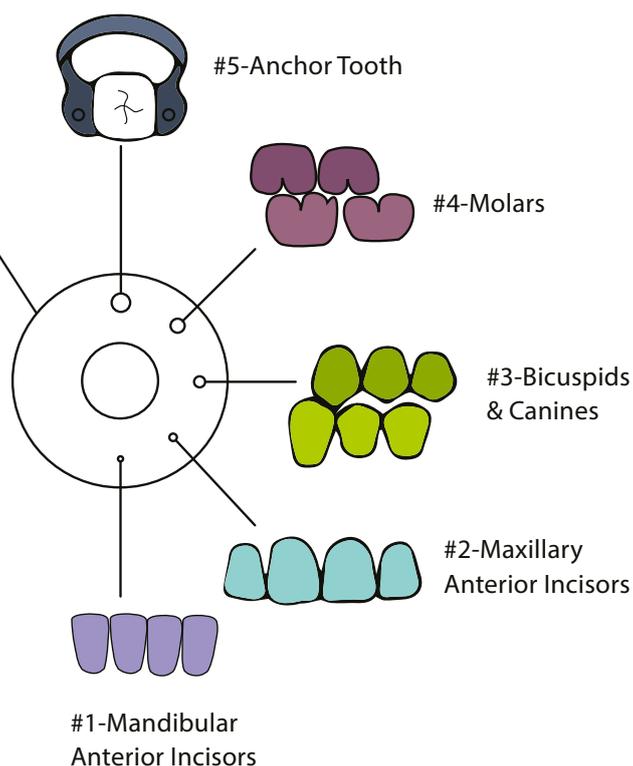
Ainsworth-style stainless steel punch with 5 holes between 1,0 and 2,3 mm in diameter. The Ainsworth punch has the hinge-joint behind the die plate.

## Forceps

REF  
H01262



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

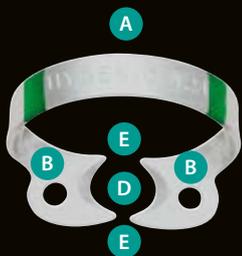


# Fixation

## 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.

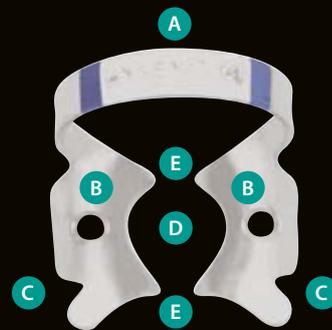
### WINGLESS



- 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.

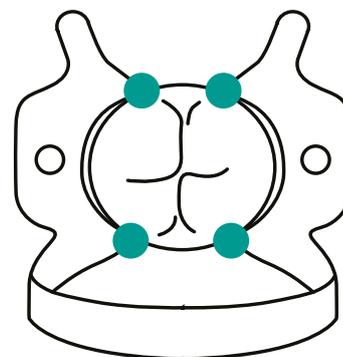
### WINGED



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

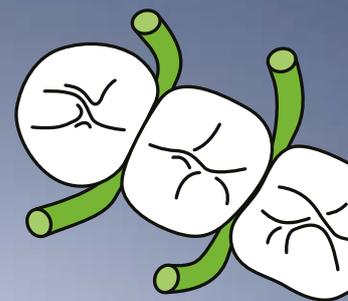
## Four-Point Contact

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.



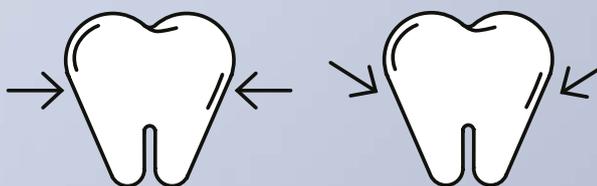
## Wedjets – Stabilization Cord 5

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.



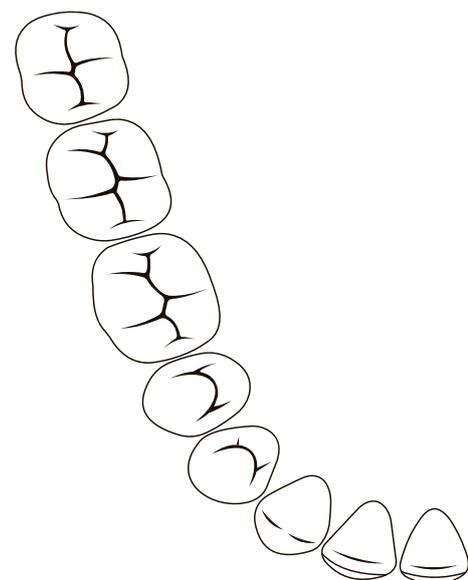
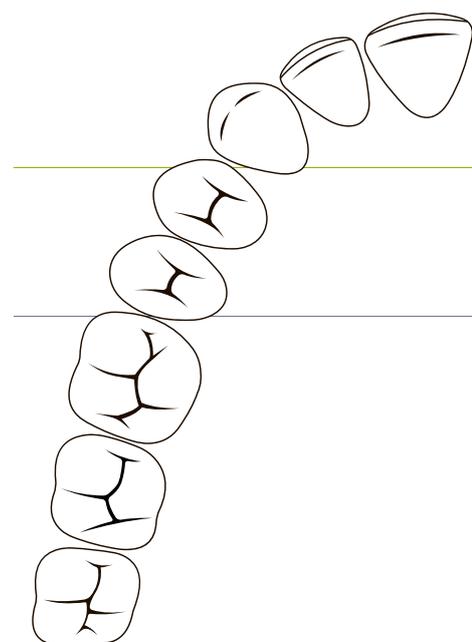
**#W9**

Anterior

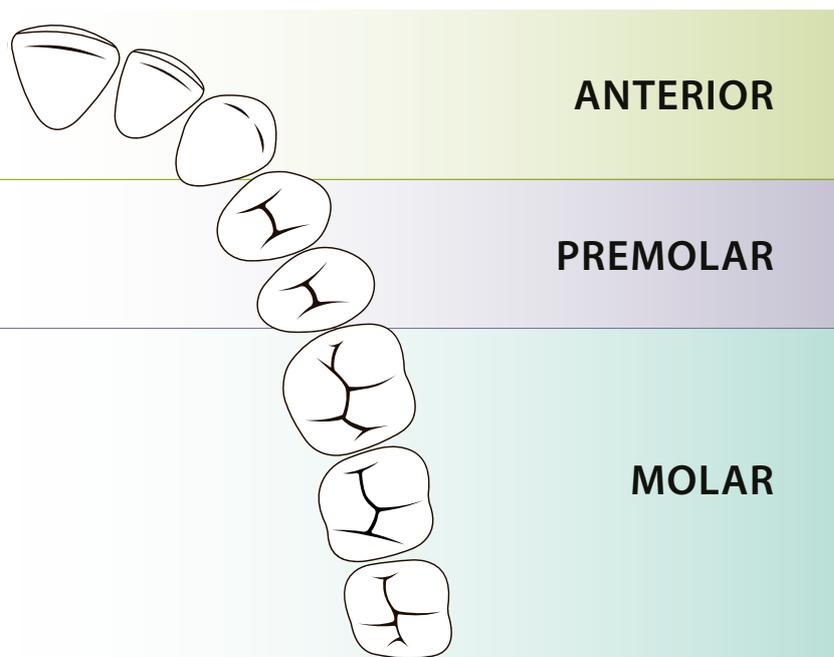


**#7**

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.



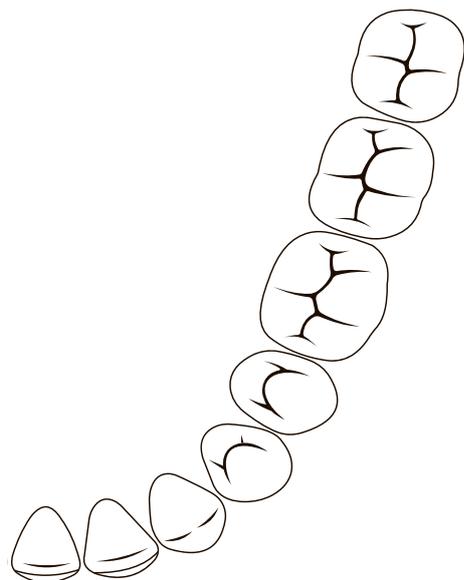
#12A

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 HySolate FIESTA 9W Colour Coded Wingless Clamp Pak
- H09966 HySolate FIESTA 9 Colour Coded Winged Clamp Pak
- H09956 HySolate FIESTA Colour Coded Clamp Organizer
- H02701 HySolate Gloss Finish System-9 Winged Clamp Pak
- H01054 HySolate 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 |

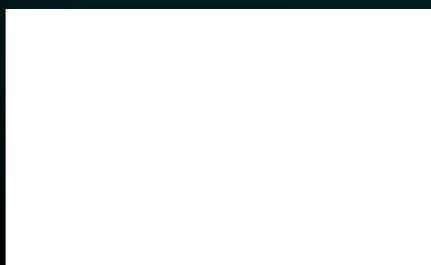


### Ora Shield

| 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 |



© COLTENE – www.coltene.com



#### Imprint / Publisher

**Coltène/Whaledent AG**  
Feldwiesenstrasse 20  
CH-9450 Altstätten  
+41 71 757 5300  
info.ch@coltene.com

#### Sales Contact

**Coltène/Whaledent Ltd.**  
The President Suite  
Kendal House, Victoria Way  
Burgess Hill, West Sussex  
RH15 9NF/UK  
+44 1444 235486  
info.uk@coltene.com

#### Service Center

service@coltene.com  
00 800 11 0000 12 (UIFN)  
Mon.-Fri. 8:00 to 17:00 MESZ