6 features of COBY Zirconia Ceramic Brackets

1) Excellent Toughness and Flexibility
- Great material reduces fracture.
- 150% Zirconia: 6.1 g/cm³
- 300% Zirconia: 1.2 GPa
- 170% Zirconia: 1.5 GPa

2) Low Profile
- Zirconia Ceramic provides low profile, compact shape, which reduces occlusal interference.

3) Shoulder System
- Shoulder: At initial stage, it provides speedy treatment, and middle and late stage, it provides positive torque control.

4) Bonding Base
- Suitable for any kind of adhesion bone.
- Light Cure: OK
- Chemical Cure: OK

5) Safety Debonding
- Approach points for debonding instrument on mesial/distal corners of base provide smooth and safe debonding without breakage of bracket.

6) Aesthetics
- Similar to natural teeth.
- Color: A1, COBY, A2

Comparing to Composite and Alumina

<table>
<thead>
<tr>
<th></th>
<th>U1R</th>
<th>Z1/2L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composite</td>
<td>![Image]</td>
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<tr>
<td>Alumina</td>
<td>![Image]</td>
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<tr>
<td>Torque Control</td>
<td>![Image]</td>
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<tr>
<td>Low Friction</td>
<td>![Image]</td>
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<tr>
<td>Wire</td>
<td>![Image]</td>
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<tr>
<td>Middle or Light wire</td>
<td>![Image]</td>
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<tr>
<td>Initial Stage</td>
<td>![Image]</td>
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<tr>
<td>Middle and Late Stage</td>
<td>![Image]</td>
<td>![Image]</td>
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</tbody>
</table>

Central Base
- Maximum retentive force exercises in the central undercut part.

Outside Base
- Outside base designed into shallow undercut for smooth debonding.
### Zirconia Ceramic Bracket COBY

**-Straight .018” slot-**

- **Wire Selection for .018” slot-**  
<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Tooth</th>
<th>Color Marking</th>
<th>Torq.</th>
<th>Ang.</th>
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**-Wire Selection for .022” slot-**  

- **Wire Selection for .022” slot-**  
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<thead>
<tr>
<th>Code No.</th>
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<th>Tooth</th>
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**-Standard .018” slot-**

- **Wire Selection for .018” slot-**  
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<th>Code No.</th>
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**-Standard .022” slot-**

- **Wire Selection for .022” slot-**  
<table>
<thead>
<tr>
<th>Code No.</th>
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<th>Tooth</th>
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---

**Notes:***
- Only UL3 : With the hook.
- Only UL3 : With the hook.
Distal End Cutter **EVER Fine**

*Cut and hold distal end of arch wire.*
*Cemented carbide inserts provide high performance and long life of the tips.*
*Joint part has changed from 3pc(YS) to 2pc(EVER Fine). This change can reduce the problem of rust in joint part.*

---

**Pin & Ligature Cutter **

*Cut excess ligature wire.*
*Hard material inserts ensure cutting of ligature wire and elastic.*
*Joint part has changed from 3pc(YS) to 2pc(EVER Fine). This change can reduce the problem of rust in joint part.*

---

**Distal End Cutter**

- **Size / 124mm**
- **605S T/C**
  - No.27606
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

- **616S T/C**
  - No.27616
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

- **606S T/C**
  - No.27607
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

**Pin & Ligature Cutter**

- **Size / 147mm**
- **615S with Hard Material**
  - No.27615
  - *Cut up to* .014” (ø0.35mm)
- **605S with Hard Material**
  - No.27605
  - *Cut up to* .013” (ø0.33mm)

---

**Distal End Cutter**

- **Size / 124mm**
- **605S T/C**
  - No.27606
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

- **616S T/C**
  - No.27616
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

- **606S T/C**
  - No.27607
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

**Pin & Ligature Cutter**

- **Size / 147mm**
- **615S with Hard Material**
  - No.27615
  - *Cut up to* .014” (ø0.35mm)
- **605S with Hard Material**
  - No.27605
  - *Cut up to* .013” (ø0.33mm)

---

**Distal End Cutter**

- **Size / 124mm**
- **Sharp.3 616S T/C**
  - No.27616
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

- **Sharp.3 616L T/C**
  - No.27606
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

**Pin & Ligature Cutter**

- **Size / 147mm**
- **615S with Hard Material**
  - No.27615
  - *Cut up to* .014” (ø0.35mm)
- **605S with Hard Material**
  - No.27605
  - *Cut up to* .013” (ø0.33mm)

---

**Distal End Cutter**

- **Size / 124mm**
- **Sharp.3 616S T/C**
  - No.27616
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

- **Sharp.3 616L T/C**
  - No.27607
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

**Pin & Ligature Cutter**

- **Size / 147mm**
- **615S with Hard Material**
  - No.27615
  - *Cut up to* .014” (ø0.35mm)
- **605S with Hard Material**
  - No.27605
  - *Cut up to* .013” (ø0.33mm)

---

**Distal End Cutter**

- **Size / 124mm**
- **Sharp.3 616S T/C**
  - No.27616
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

- **Sharp.3 616L T/C**
  - No.27607
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

**Pin & Ligature Cutter**

- **Size / 147mm**
- **615S with Hard Material**
  - No.27615
  - *Cut up to* .014” (ø0.35mm)
- **605S with Hard Material**
  - No.27605
  - *Cut up to* .013” (ø0.33mm)

---

**Distal End Cutter**

- **Size / 124mm**
- **Sharp.3 616S T/C**
  - No.27616
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

- **Sharp.3 616L T/C**
  - No.27607
  - *Cut up to* Round wire .012"-.026”
  - Rect. wire .016"x.016"-.022”x.028”

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**Pin & Ligature Cutter**

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**Distal End Cutter**

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  - *Cut up to* Round wire .012"-.026”
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**Pin & Ligature Cutter**

- **Size / 147mm**
- **615S with Hard Material**
  - No.27615
  - *Cut up to* .014” (ø0.35mm)
- **605S with Hard Material**
  - No.27605
  - *Cut up to* .013” (ø0.33mm)
**Orthodontic Pliers EVER**

*Utility Pliers*

- **420 How**
  - No.27420
  - Insert, remove the main wire.
  - Texture of tip is 0.25mm (.010"), can hold arch wire firmly.

- **421 Weingart**
  - No.27421
  - Insert, remove the main wire.
  - Multi purposes for tying ligature etc.

- **422 Utility**
  - No.27422
  - Texture of tip is 0.25mm (.010"), can hold arch wire firmly.

- **423 Utility**
  - No.27423
  - Texture of tip is 0.25mm (.010"), can hold arch wire firmly.

- **440 Utility**
  - No.27440
  - Texture of tip is 0.25mm (.010"), can hold arch wire firmly.

- **441 Weingart**
  - No.27441
  - Texture of tip is 0.25mm (.010"), can hold arch wire firmly.

- **442 How**
  - No.27442
  - Insert, remove the main wire.
  - Texture of tip is 0.25mm (.010"), can hold arch wire firmly.

- **443 How**
  - No.27443
  - Insert, remove the main wire.
  - Texture of tip is 0.25mm (.010"), can hold arch wire firmly.

**-Bending Pliers-**

- **417 Three Jaw**
  - No.27417
  - Maximum wire capacity .036"
  - Quad Helix, lingual arch, activate of main wire.

- **418 Bird Beak**
  - No.27418
  - Maximum wire capacity .035"
  - Bend retainer wire, clasp.

- **419 Young**
  - No.27419
  - Maximum wire capacity .040"
  - Bend retainer wire, adjust inner bow with three steps. (1.4mm, 3.0mm, 4.5mm in diameter)

- **420 How**
  - No.27420
  - Insert, remove the main wire.
  - Bend ligation wire, UA.

- **421 Weingart**
  - No.27421
  - Insert, remove the main wire.
  - Multi purposes for tying ligature etc.

- **422 Utility**
  - No.27422
  - Insert, remove the main wire.
  - Multi purposes for tying ligature etc.

- **440 Utility**
  - No.27440
  - Texture of tip is 0.25mm (.010"), can hold arch wire firmly.

- **441 Weingart**
  - No.27441
  - Texture of tip is 0.25mm (.010"), can hold arch wire firmly.

- **442 How**
  - No.27442
  - Insert, remove the main wire.
  - Texture of tip is 0.25mm (.010"), can hold arch wire firmly.

**Traditional and classical design fascinate artistic mind. Supple curved handle narrow box joint fascinate new generations.**
Orthodontics

Orthodontic Pliers

-Bending Pliers-

419 Nance Closing Loop No.27419
Maximum wire capacity .022".
With using each step (3.5mm, 4.5mm, 5.5mm, 6.5mm), arrange the loop wire, apply torque on MEAW loop.

459 Nance Closing Loop No.27459

423 Kim T/C (with Cutter) No.27423
Maximum wire capacity .016"x.022".
Cut up to .020".
Bend MEAW loop.

453 Kim T/C (with Cutter) No.27453

-Banding Pliers-

412 Band Removing No.27412

443 Band Removing No.27443

460 Band Removing L No.27460

-Banding Pliers-

410 Band Contouring No.27410

-Bending Pliers-

424 Light Wire T/C (with Cutter) No.27424
Maximum wire capacity .012".
Cut up to .020".
Designed for circle hook, tear drop.

452 Light Wire T/C (with Cutter) No.27452

-Bending Pliers-

425 Crimping No.27425

-Banding Pliers-

411 Band Margin No.27411

444 Bracket Removing T/C No.27444

-Bending Pliers-

413 Bracket Removing T/C No.27413

443 Bracket Removing T/C No.27443

-Bending Pliers-

461 Cinch Back No.27461

-Conventional Type

-Bending Pliers-

3.5mm

410 Band Contouring No.27410

460 Band Removing L No.27460

-Bending Pliers-

446 Step 3/4mm No.27446

447 Step 1mm No.27447

-Bending Pliers-

445 Step 1/2mm No.27445

-Bending Pliers-

444 Bracket Removing T/C No.27444

-Bending Pliers-

443 Bracket Removing T/C No.27443

-Bending Pliers-

412 Band Removing No.27412

-Banding Pliers-

443 Band Removing No.27443

-Banding Pliers-

410 Band Contouring No.27410

-Bending Pliers-

425 Crimping No.27425

-Bending Pliers-

411 Band Margin No.27411

-Banding Pliers-

461 Cinch Back No.27461

-Conventional Type

-Bending Pliers-

3.5mm

410 Band Contouring No.27410
-Aligner Pliers-

*With fine tips to ensure to insert into lingual or narrow part, crowded teeth.

*With long handle to ensure to insert into lingual or narrow part, crowded teeth.

*Matte surface can avoid reflection of pliers under bright light.

*Supple curved handle fits female dentists.

Orthodontic Pliers

Orthodontics

**EVER Fine**

448
Tear Drop
No.27448

449
Vertical
No.27449

450
Horizontal
No.27450

451
Hole Punch
No.27451
Adams Pliers

Universal T/C
No. 22001

Convertible Cap Removing Pliers
No. 27934

1) Insert the blade edge parallel to cap from mesial side of buccal tube slot.

2) By gripping the handle, Move the blade to distal side and remove the cap easily.

*Please remove the fallen cap from a mouth.

Wire Cutter

YS-601
No. 22601
*Cut up to .032" (ø0.80mm)

YS-602
KI
No. 22602
*Cut up to .045" (ø1.10mm)

YS-603
Standard
No. 22603
*Cut up to .048" (ø1.20mm)

*Cut retainer wire, clasp wire.
**Tying Pliers**
*Tie ligature wire on the bracket.

- **YS-506**
  - No.22506
  - Steiner Type.

- **YS-507**
  - No.22507
  - Coon Type.

- **YS-508**
  - No.22508
  - Used for applying both long and short type ligature wire.

- **Tuck excess ligature wire.**
- **Tie ligature wire on the bracket with wing shape.**
- **With one instrument, two function-tucking and tying.**

**Ligature Director**

- **YS-704**
  - Single End
  - No.22704
  - *Tuck excess ligature wire.*

- **YS-704A**
  - Twister
  - No.22754
  - *Tie ligature wire on the bracket with wing shape.***

- **YS-704B**
  - Double End
  - No.22755
  - *Tuck excess ligature wire.*

**Module Pliers**
*Put module on the bracket.
*With ultra thin tips, easy to insert into the mouth.

- **Str.**
  - No.22509

- **Cvd.**
  - No.22510
  - *For Lingual.*

- **with Groove Str.**
  - No.22511

- **Mosquito Str.**
  - No.22513

- **Mosquito Cvd.**
  - No.22514

**Arch Wire Director**

- No.27709
**Bracket Tweezers**

- Before applying band, used for placement of separating elastic.
- Remove surplus bonding material smoothly.

**Band Seater**

- Set band by patient's own occlusal force.
- Tip can be replaced.

**Band Pusher**

- Insert band.

**Surplus Cement Remover**

- Hold firmly the bracket by groove at the tips.
- At the end of the handle with measure (3.5mm, 4.0mm, 4.5mm, 5.0mm) helps bracket height and angulation.

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**Articulator**

- for Construction Bite-
**Typodont Articulator**

No.22822
YS-802A

*Education tool to learn the appropriate orthodontic force and result of the teeth position.
*Also used for practice of placing the brackets and ligatures.
*Metal tooth root for quick heat conduction.

**Typodont Teeth**

No.22834
(Parts 28 teeth)

*Wax form does not include.

-Example of Practicing with the Typodont Practice Model-
1) Attach the ORT various Wax Form to the Typodont Ocluder by applying molten wax with an instrument.
2) Remove the jaws with the black base as pictured.
3) Dip the jaws into 55-60°C warm water.
4) Lift the jaws from the warm water and dip into cool water. Observe the result.

*A Wax form does not include.

**Model Measuring Device**

Contents: Main body, Chart (25 sheets)

No.22934
YS-34 with Chart

*This measuring device is for the purpose of measuring following length/Width below on a tooth model, constituting T shape ruler and (vertical, horizontal) indicator needle. The indicator needle designed to slide on its vertical surface.

*This measuring device is designed to measure following (1),(2),(3).
For the measurement of (4) please use separately sold Orthodontic Caliper as the direction mentioned below.

(1) Length of dental arch
(2) Width of dental arch
(3) Length of BASAL ARCH
(4) Width of BASAL ARCH

[Direction of how to use]
A. Horizontal part
B. Vertical part
C. Indicator needle

Standard deviation table for width of dental crown, dental arch, BASAL ARCH is also available.

1) Width of dental arch
   With horizontal part A measure its distance between buccal sides of first premolar tooth.

2) Length of dental arch
   Fitting in its base line of horizontal part A to the point of first molar teeth in distal part. Then measure the distance to incisal edge of a central incisor with vertical part B.

3) Length of BASAL ARCH
   Setting horizontal part A as above picture indicates, slide the indicator needle C to fit in the bottom point of the root of a central incisor tooth.

4) Width of BASAL ARCH
   Measure the bottom point of the root of first premolar tooth with Orthodontic Calipers.
Tension Gauge

Measure the force of coil spring and elastic.

YS-31 5N
No.22955

YS-31D Dial (5N)
No.22930

YS-33 15cm
No.22933

*1N = 100g

Boone Gauge

*Check position of bracket on tooth.
*Measure bracket height 4.5mm, 4.0mm and 3.5mm.

Handy Torch

*Sharp flame is suitable for delicate work.
*Gas is empty at the time of delivery.

Orthodontic Calipers

Orthodontics

Orthodontic Calipers

Measure the force of coil spring and elastic.

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No.22955

YS-31D Dial (5N)
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*Measure bracket height 4.5mm, 4.0mm and 3.5mm.

Handy Torch

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*Gas is empty at the time of delivery.
No. 22868 Maxillary Traction
No. 22869

YS-706
No. 22706

Locking Tweezers

YS-707S
No. 22707

YS-708L
No. 22708

Chin Cap

No. 22868
Maxillary Traction
No. 22869

Tracing Plate

YS-40
No. 22940

Color Tray

- Premium -
* Aluminium

*Color coded for easy identification.
*By an edge with height, the impression of a frenum or buccal mucous membrane can be taken firmly.
*Easily bendable for a custom fit.
*Impression materials stick to aluminium well because of features of aluminium itself, also they are difficult to be removed when in fitting.

Upper

Pink
Blue
Red
Gold
Violet

No. Description Size (mm)
19101 Pink 67 48 12 20
19102 Blue 62 54 12 20
19103 Red 68 60 12 22
19104 Gold 75 65 12 22
19105 Violet 84 70 13 22

Lower

Pink
Blue
Red
Gold
Violet

No. Description Size (mm)
19111 Pink 62 44 15 20
19112 Blue 70 48 15 20
19113 Red 75 50 15 20
19114 Gold 82 53 17 22
19115 Violet 88 55 17 22

*Aluminium

-Premium-

Scraper