

Refractives.



Bryant Dental Product



Dentistry, reimagined.

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The BD story.



Dr Connor Bryant
CEO and Founder



Dr Priyam Patel
Co-CEO

Bryant Dental was created by dentists to solve clinical problems they themselves had faced, by using technology in unprecedented ways.

Since our incorporation, we have grown exponentially, thanks to our community of passionate, talented dentists who believe, like us, that dentistry can be done differently.

Inspired by clinicians who strive for brilliance, we aim to bring the latest innovation and technology to extraordinary dentists to facilitate their pursuit of excellence.

C-Flo® dentair Ignis® Lucidum® MagStrap® iShields® TapNote® HALO®

The Refractives story.

We recognise that our customers deserve the best products to perform at the highest level. Refractives will revolutionise your vision like never before: an evolution in expert design.

Combining the signature BD optics with the ultimate ergonomic design, Refractives were designed for the highest calibre of dentists.

Refractives have been engineered with the ultimate ergonomic design so you don't need to compromise on comfort when working. 70-80% of dentists report back and neck pain, even when using conventional loupes. Back and neck pain in dentistry shouldn't be an occupational hazard.

We have listened and worked to find a solution. Refractives allow you to work in the perfect posture so that you can do what you love for longer.

We also recognise that each and every dentist in our community is different and unique, so your Refractives will be too, with no 'one size fits all'. Refractives are completely bespoke to you, with our precise measuring process, as well as a range of colours and shapes to suit your tastes.

Refractives are designed to last and built with longevity in mind.

Magnification, reimagined.



The ultimate ergonomic design.

A range of biometric frame sizes for the ultimate bespoke fit.



Glare and scratch resistant lenses - expertly engineered to withstand the stresses of life.

Our signature optical excellence reimagined using advanced prism technology.

With brand new infinity edge capability, Refractives enable biomimetic vision without barrel interference.



Learn more



The Collection.

Rounded frames.

				
Refractives 8.8x	Refractives 7.2x	Refractives 5.7x	Refractives 3.8x	Refractives 2.9x
 Weight 52g	 Weight 50g	 Weight 49g	 Weight 48g	 Weight 47g
 Field of view 30mm	 Field of view 40mm	 Field of view 50mm	 Field of view 85mm	 Field of view 105mm
 Depth of focus 30mm	 Depth of focus 40mm	 Depth of focus 55mm	 Depth of focus 80mm	 Depth of focus 90mm
 Compatible with Ignis and Halo Headlight systems	 Compatible with Ignis and Halo Headlight systems	 Compatible with Ignis and Halo Headlight systems	 Compatible with Ignis and Halo Headlight systems	 Compatible with Ignis and Halo Headlight systems

Rectangular frames.

				
Refractives 8.8x	Refractives 7.2x	Refractives 5.7x	Refractives 3.8x	Refractives 2.9x
 Weight 50g	 Weight 50g	 Weight 49g	 Weight 48g	 Weight 45g
 Field of view 30mm	 Field of view 40mm	 Field of view 50mm	 Field of view 85mm	 Field of view 105mm
 Depth of focus 30mm	 Depth of focus 40mm	 Depth of focus 55mm	 Depth of focus 80mm	 Depth of focus 90mm
 Compatible with Ignis and Halo Headlight systems	 Compatible with Ignis and Halo Headlight systems	 Compatible with Ignis and Halo Headlight systems	 Compatible with Ignis and Halo Headlight systems	 Compatible with Ignis and Halo Headlight systems

Thank you for choosing Bryant Dental.

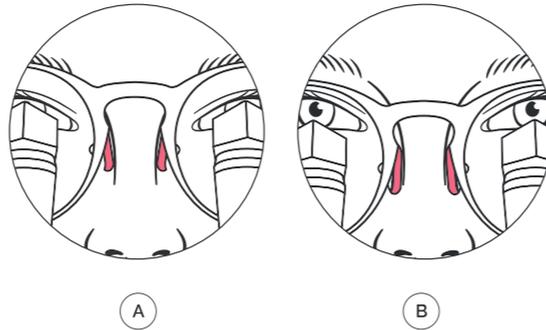
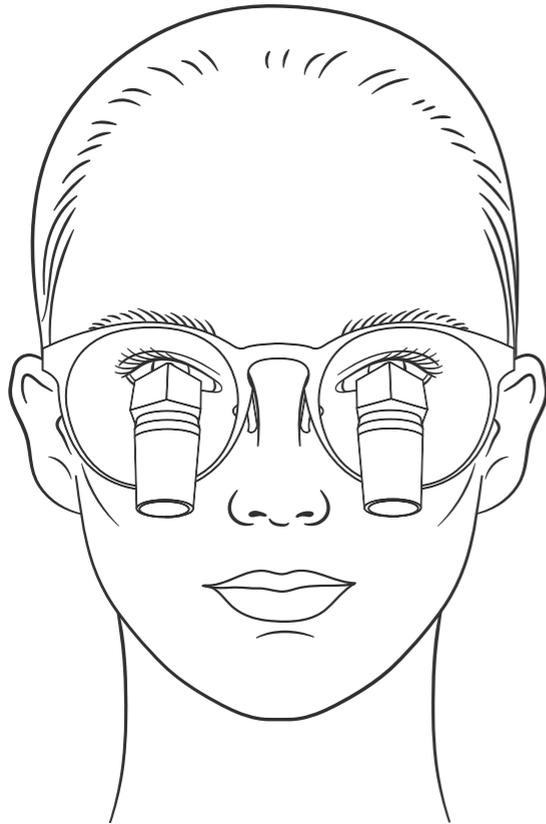


We believe in creating excellent products for extraordinary dentists, and we are always proud to gain a new member of our community of passionate clinicians. Join the BD club to see what other members have done with Refractives.

Intended use

Refractives were developed to be used by dental professionals as a medical device to magnify the oral cavity and face.

How to set up your Refractives.

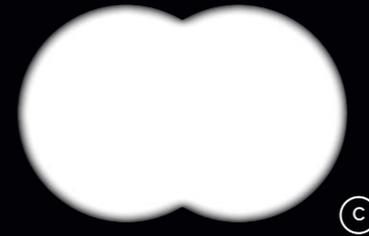


Try out your new Refractives, and ensure that your vision is clear and unobstructed.

You can adjust where they sit on your face by pinching the nose pads closer together, which will make them sit higher up your nose (A), or widen the nose pads to move them lower down (B). This process may help you find the best position for the optimal unobstructed view.



CAUTION: Nosepads must be tightened before use. Please use enclosed screwdrivers to tighten.



When you look through your Refractives you should see an image that looks something like this (see above (C)), however, it is common for highly bespoke products such as Refractives to require some modification to mould to your face shape.



If your vision is shadowed at the top you can **push your nosepads together** so they sit higher on your face.



If your vision is shadowed at the bottom you can **push your nosepads further apart** so they sit lower on your face.



If your vision is shadowed to the right you can **push your nosepads further to the left** to correct this.



If your vision is shadowed to the left you can **push your nosepads further to the right** to correct this.



Troubleshooting.

Still having trouble getting the perfect visual experience? Scan here to get in touch with our specialists.



Getting used to your Refractives.

It can often be a challenge getting used to your Refractives, and it is normal to take several weeks or months to fully adjust.

We recommend trying them out at home to start with while doing small tasks, such as reading a page of a book, texting, or painting your nails, to acclimatise to the new and ergonomic position of your neck and back.

If you do experience any issues with the Refractives, please do not hesitate in the first instance to get in touch with your product specialist. We pride ourselves on our customer service, and our specialists, office staff, and BD distributors are always ready to help.

Maintenance and protection.

Maintaining your new Refractives is very important. To help prolong the life of your new investment, we recommend cleaning them regularly. We have provided some suggestions shown right:

- We only recommend **70 per cent isopropyl alcohol** to clean your Refractives, as we can finely control the chemical makeup and ensure no damage to the lenses, scratch and glare coating.
- You can use the 3 in 1 to help remove debris without scratching the lens.
- Always wipe and dry with the Refractives cleaning cloth.
- Use iShields® Visor system for additional protection.



Scan to view iShields

Cautions for cleaning and maintenance

- ⚠ Do not run under water.
- ⚠ Do not spray the device.
- ⚠ Do not submerge in any liquid or ultrasonic cleaner.
- ⚠ Do not use autoclave or chemiclave.
- ⚠ Do not use glutaraldehyde or idophor.
- ⚠ Do not use a cleaning solution with alcohol concentration greater than 70%.



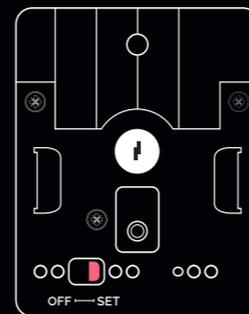


Keep your Refractives safe with our TSA-approved lock.

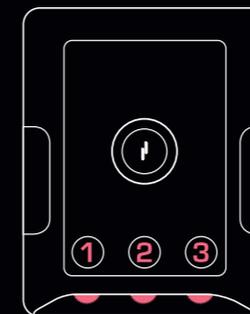
Your matte black case has been engineered for the highest level of impact resistance to help protect your Refractives from the elements and intruders. Please see the instructions shown on the right.

Setting the code.

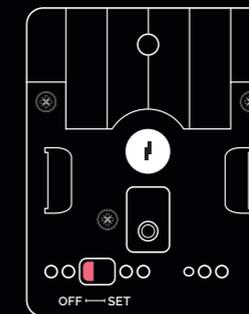
Located on the reverse of the lock face.



Move switch to 'SET'



Select a 3-digit code

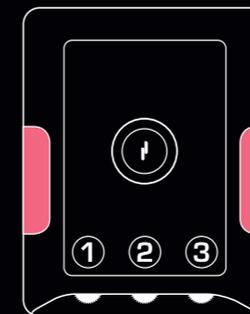


Move switch to 'OFF'

Closing / opening.



Closing: Shut the lock buckle down and change code

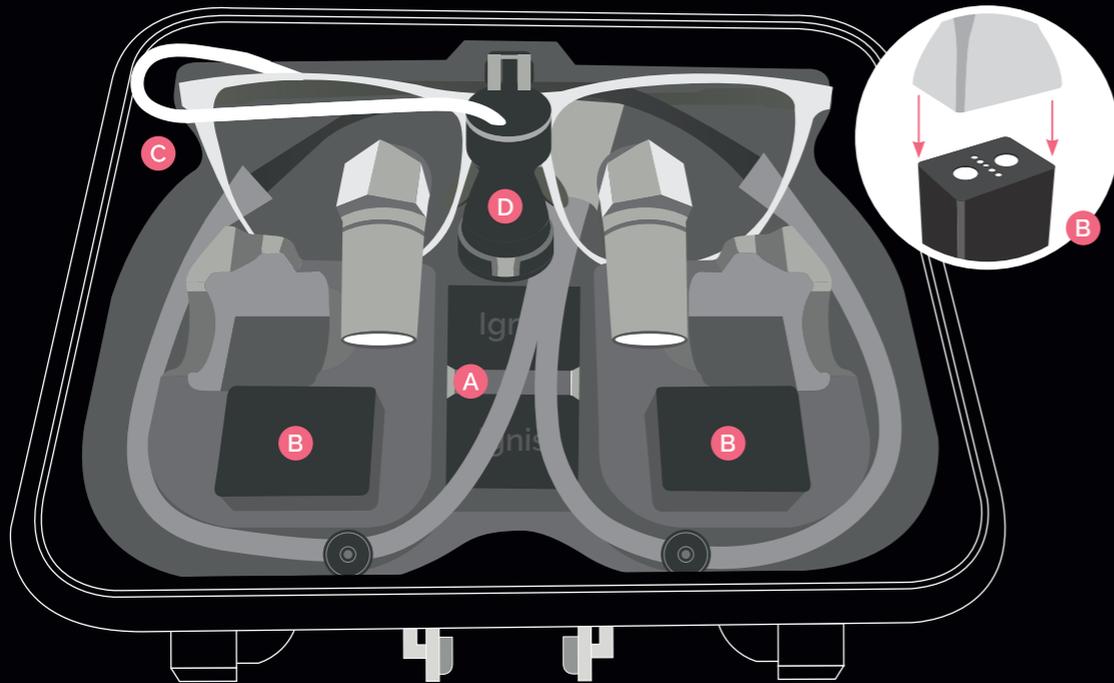


Opening: Select your chosen code and push the side buttons

Forgotten your code?

Unfortunately, we don't have a master code that can unlock it. If you need help, please get in touch with your specialist, local office or distributor.

Storing your Ignis Gesture.



Step 1.

Place the charging plate (A) into the slot. **Shown left**

Step 2.

Disconnect the battery from your loupes and place them into the case (B). **Shown left**

Step 3.

Please fold loupes by following the instructions (3a-3c, shown right) and then insert loupes into case (C), followed by tilting the headlight downwards (D). **Shown left**

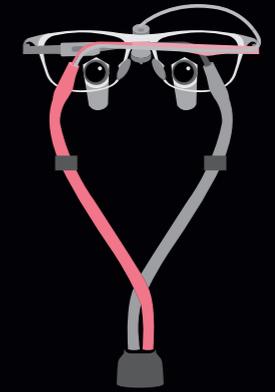
Step 4.

Close and lock the case



(3a)

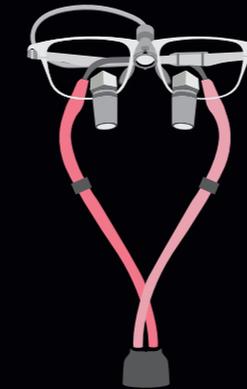
Close the left Loupe arm (shown above)



(3b)

Followed by the right Loupe arm. Silicone straps should cross over (shown above)

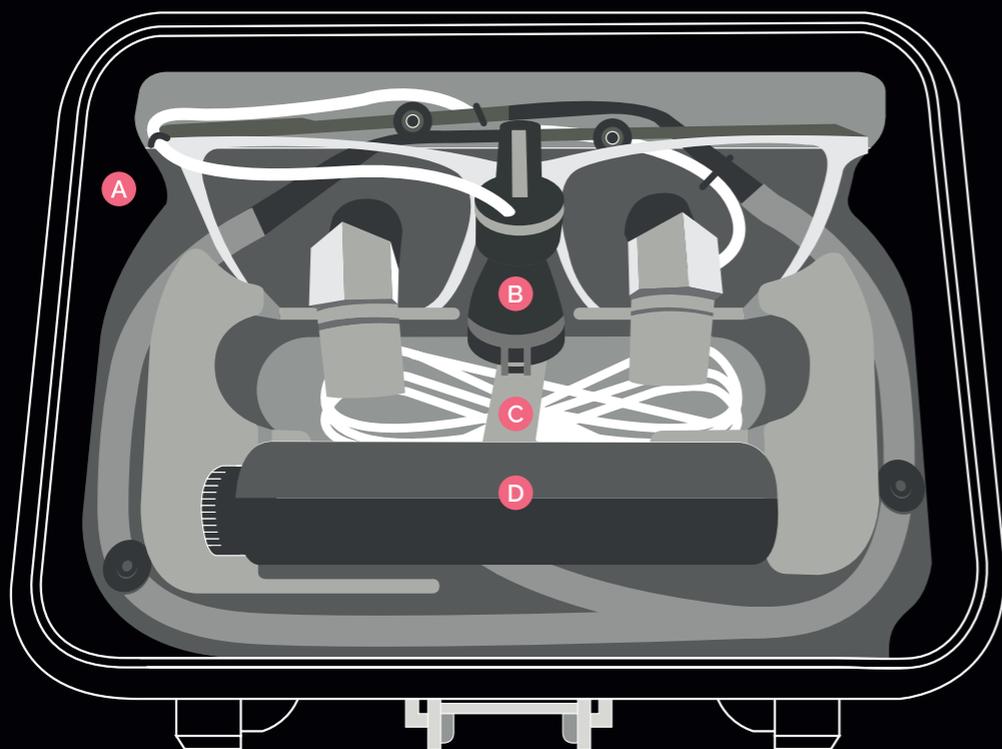
(3c)



Face your Loupes towards you. Hold the battery base plate and fold up (shown below)



Storing your Halo.



Step 1.

Disconnect the battery pack from Halo headlight

Step 2.

Please fold loupes by following the instructions (2a-2c, shown right) and then insert loupes in to case (A), followed by tilting the headlight downwards (B).

Shown left

Step 3.

Using the cable tidy attached to the headlight lead. Fold your cable up/fasten and place under under loupes (C). Shown left

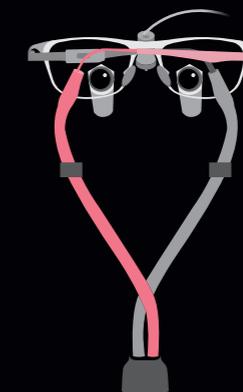
Step 4.

Place Battery Pack (D) Shown left followed by closing and locking the case



(2a)

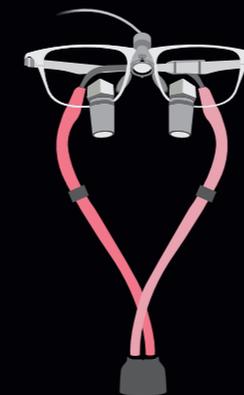
Close the left Loupe arm (shown above)



(2b)

Followed by the right Loupe arm. Silicone straps should cross over (shown above)

(2c)



Face your Loupes towards you. Hold the battery base plate and fold up (shown below)



Repairs.

Accidental damage

1. **Safely return:** Please let us, or your local Bryant Dental distributor know as soon as possible so we can work out how best to support you in the interim.
2. **Courtesy Refractives:** Courtesy Refractives will be available for service plan subscribers. We will locate a courtesy pair of Refractives that will best fit your unique requirements. As all of our Refractives are bespoke, they will not fit as well as your own pair. We will ship these to you as soon as possible.
3. **Inspection & repair:** Our engineers will inspect the damage and assess whether or not an in-house repair is possible. Any damage to your frames can usually be rectified in a week or less, although this is longer outside the UK due to shipping related delays. Any damage to the lenses will require a more extensive assessment and repair, which can take up to 28 days.
4. **Return & swap:** Once repaired, we will ask you to confirm a delivery address and ship your Refractives back out. Please send the courtesy Refractives back to us by Special Guaranteed delivery as soon as possible, in case other customers require them.

Warranty repair

1. **Safely return:** Please let us or your local Bryant Dental distributor know as soon as possible so we can work out how best to support you in the interim.
2. **Courtesy Refractives:** Courtesy Refractives will be available for service plan subscribers. We will locate a courtesy pair of Refractives that will best fit your unique requirements. As all of our Refractives are bespoke, they will not fit as well as your own pair. We will ship these to you as soon as possible.
3. **Inspection & repair:** Our engineers will inspect the damage and assess whether or not an in-house repair is possible. Any damage to your frames can usually be rectified in a week or less, although this is longer outside the UK due to shipping related delays. Any damage to the lenses will require more extensive assessment and repair, which can take up to 28 days.
4. **Fault cause analysis:** Will be conducted on every case of non-accidental damage in order to feed back into design and verification stages of batch production. The fault will then be rectified for every customer moving forwards.
5. **Return & swap:** Once repaired, we will ask you to confirm a delivery address and ship your Refractives back out. Please send the courtesy Refractives back to us by Special Guaranteed delivery as soon as possible, in case other customers require them.

Warranty.

Five-year warranty

Limited Liability Policy

Bryant Dental will repair any issue arising from a manufacturing defect for a period of five years, without charge. The liability will not exceed the amount you originally paid for the product. The warranty does not cover defects arising from negligence, product modification, unauthorised repairs, accidental damage, theft, loss or acts of God.

Conditions

- Ensure your Refractives are wiped with 70% isopropyl alcohol to ensure telescope longevity.
- Store at room temperature.
- Do not change or modify any of the existing components without authorisation from Bryant Dental.

Get in touch.

If you have any questions or concerns, please don't hesitate to get in touch.



Scan to connect

Our 24/7 support team is always on hand if you need anything. In the first instance, please contact your product specialist, or use the direct whatsapp link above to connect with our customer support team.

Our office team are also available to answer any questions you may have.

UK office contact number:

+44 (0)1932 320064

+44 (0)7990 113723

UK office address:

The Barns, Hilltop Farm, Lyne Lane
Chertsey KT16 OAW, United Kingdom

Australian office contact number:

+61 (02) 72089592

Australian Office Address:

Suite 12, 13U/175 Lower Gibbes
St Roseville NSW 2069, Australia

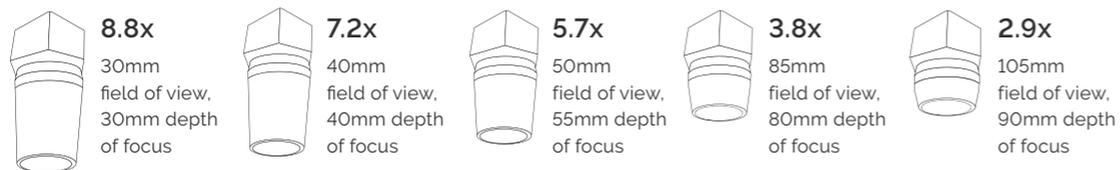
Technical specifications.

Finish

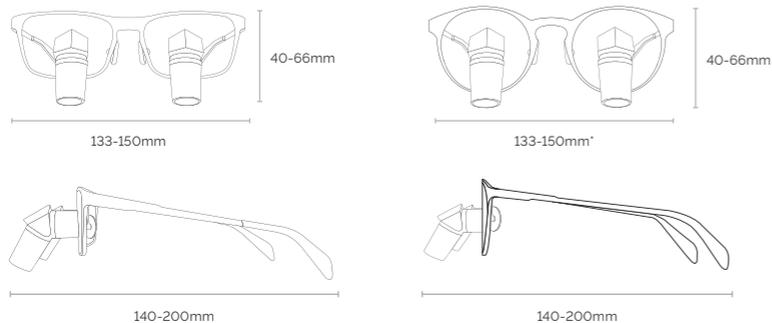


Telescopes formed of aerospace grade aluminium and the frames in ultra-lightweight titanium alloy.

Magnification Including field of view and depth of focus



Dimensions



Frame weights

Rectangular	Rounded
8.8x = 50g	8.8x = 52g
7.2x = 50g	7.2x = 50g
5.7x = 49g	5.7x = 49g
3.8x = 48g	3.8x = 48g
2.9x = 45g	2.9x = 47g

In the box

- Refractives
- MagStrap®
- Refractives cleaning cloth
- Screwdriver
- Matte black engraved case

Storage and shipping condition:

- Storage at room temperature
- Under normal atmospheric pressures

Known contraindications: silicone rubber allergy or sensitivity

Part Name	Part Code	Supplier
2.9x Bespoke Refractives	5060678491024	Bryant Dental
3.8x Bespoke Refractives	5060678491048	Bryant Dental
5.7x Bespoke Refractives	5060678491055	Bryant Dental
7.2x Bespoke Refractives	5060678491086	Bryant Dental
8.8x Bespoke Refractives	5060678495114	Bryant Dental
MagStrap®	5060678491093	Bryant Dental
Refractives cleaning cloth	5060678491284	Bryant Dental
Screwdriver	5060678492182	Bryant Dental
Matte black engraved case	5060678492229	Bryant Dental

Failure to use the products in the specified manner for the intended purposes may result in the void of your warranty. Please use this product as dictated.

Contraindications:

- Do not use the Magstrap, the Gesture Magstrap or iShield brackets if you have a pacemaker
- Silicone allergy

! Our Magstrap, Ignis Magstrap and all other headlight magstraps including the Gesture Magstrap contain magnets and should not be used with patients who have pacemakers or by dentists with pacemakers.

Follow instructions for use

Do not dispose

This device is not sterile

Do not use if package is damaged

Fragile, handle with care

Keep dry

Ensure nose pads are tight before use.

WARNING! Choking Hazard. Please ensure that headlight filter is tightened before use.

If any part of the Refractives appear loose, please immediately cease use and contact BD. Do not attempt to reattach.

Do not use any non approved headlights as these can damage the structural integrity of the loupes, Refractives and optics.

Bryant Dental
The Barns, Hilltop Farm, Lyne Lane,
Chertsey, KT16 0AW, U.K



Bryant Dental x Husti.

Husti is a charity which empowers children in rural India, using education and offering them tools to improve their lives. Bryant Dental is proud to partner with this cause, which aims to change lives and build communities for underprivileged children.



**You have the power
to change lives.**

Find out more about the work they do here.

www.bryant.dental

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 UK +44 (0)7990 113723

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Bryant Dental

Dentistry, reimagined.

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