

isolock



orthopedic suture system

 intrauma®  
 Vet Line

Dates and images

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# What is Isolock

Isolock is an orthopedic suture system made of:

- UHMWPE braided suture<sup>1</sup>
- Titanium button
- Stainless steel needle
- Titanium interference screw

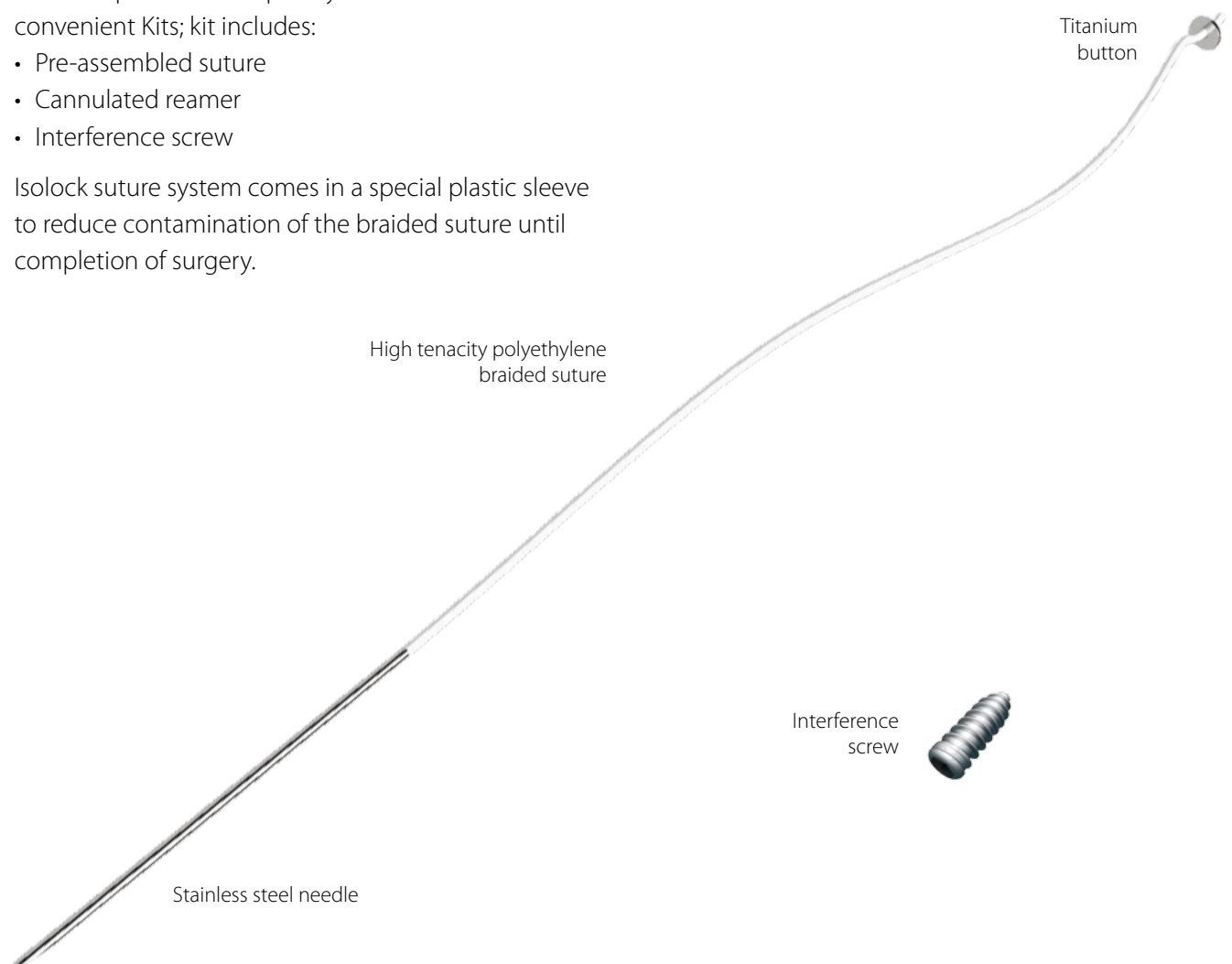
Isolock suture system is available in three sizes:

- 1.0mm up to 10Kg
- 1.5mm up to 20Kg
- 2.0mm up to 30Kg

Isolock is provided completely sterile and comes in convenient Kits; kit includes:

- Pre-assembled suture
- Cannulated reamer
- Interference screw

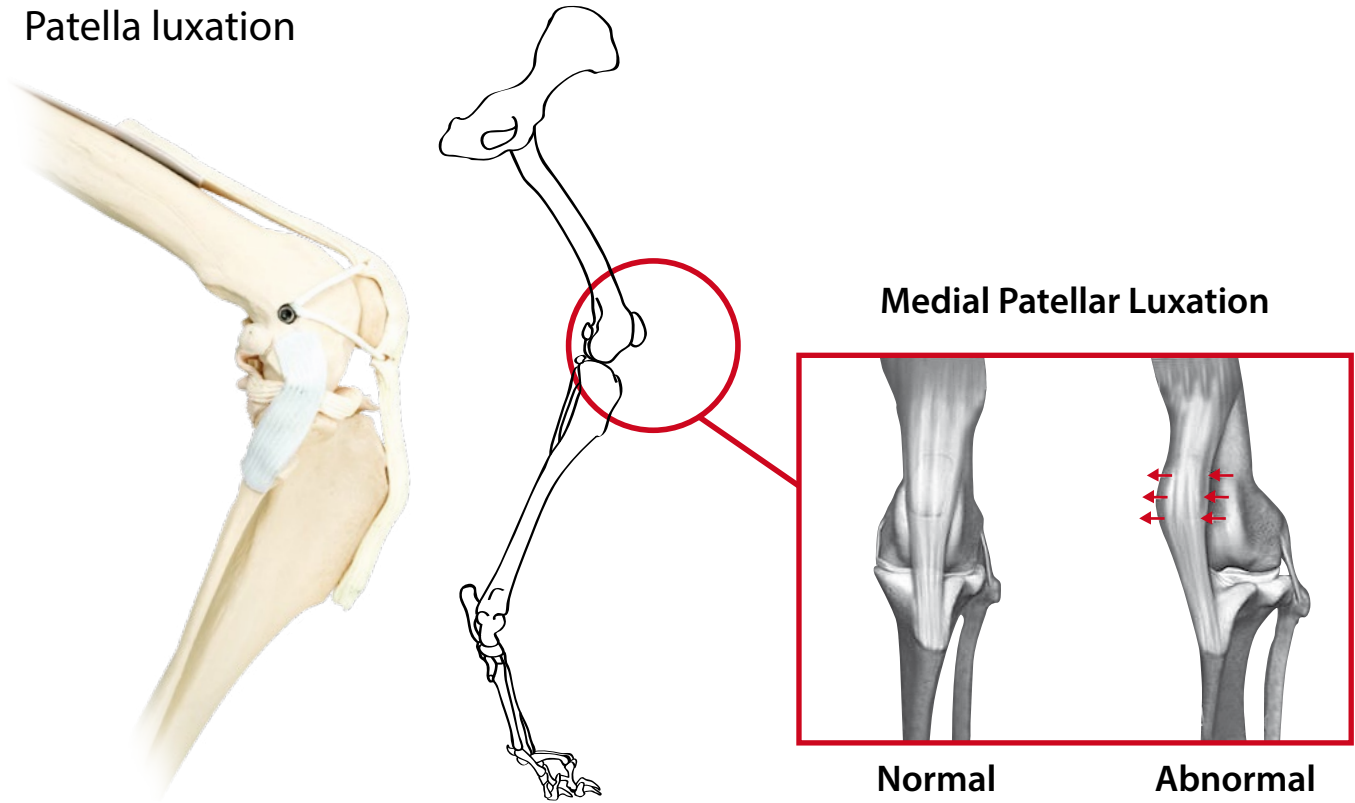
Isolock suture system comes in a special plastic sleeve to reduce contamination of the braided suture until completion of surgery.



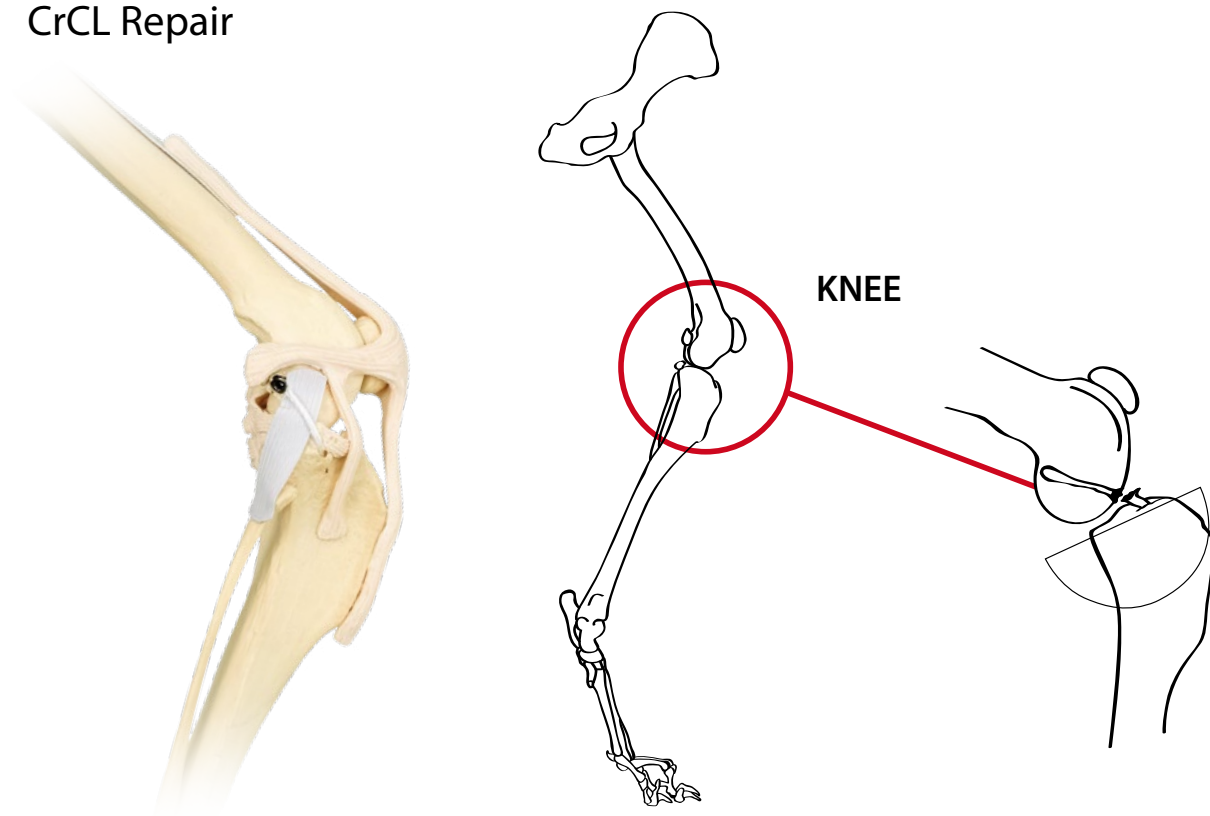
<sup>1</sup> A very tough material, with the highest impact strength of any thermoplastic presently made. UHMWPE is odorless, tasteless, and nontoxic. It is highly resistant to corrosive chemicals has extremely low moisture absorption and a very low coefficient of friction; is self-lubricating; and is highly resistant to abrasion, UHMWPE fibers are used in personal armor, cut-resistant gloves, bow strings, climbing equipment, high-performance sails, suspension lines on sport.

# One product two different surgeries

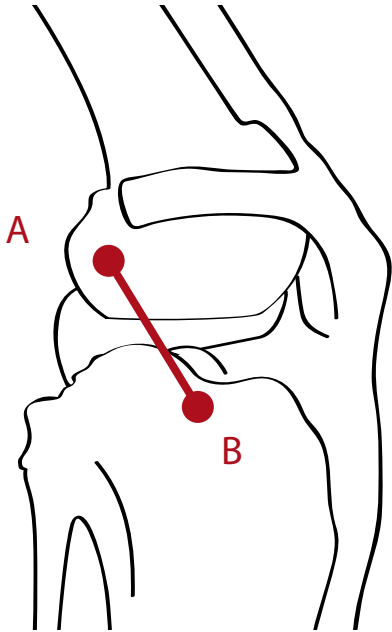
## Patella luxation



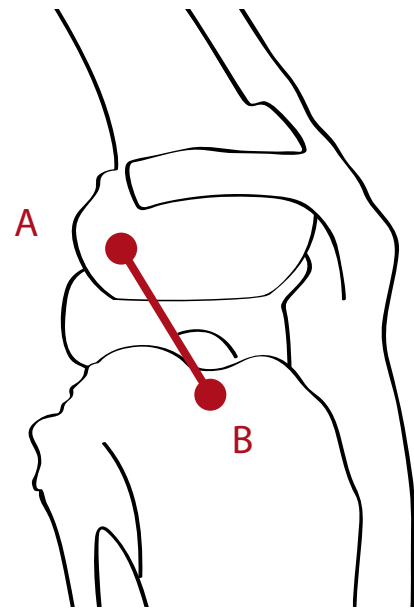
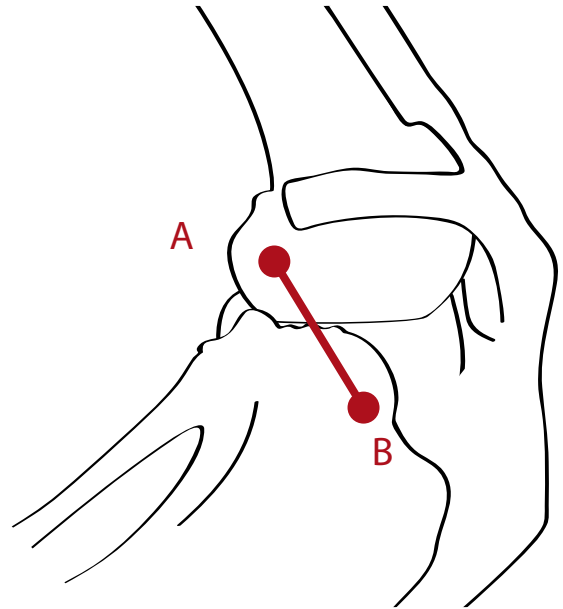
## CrCL Repair



# What is isometry?



The distance between two given points remains constant during range of motion



## Tips and tricks

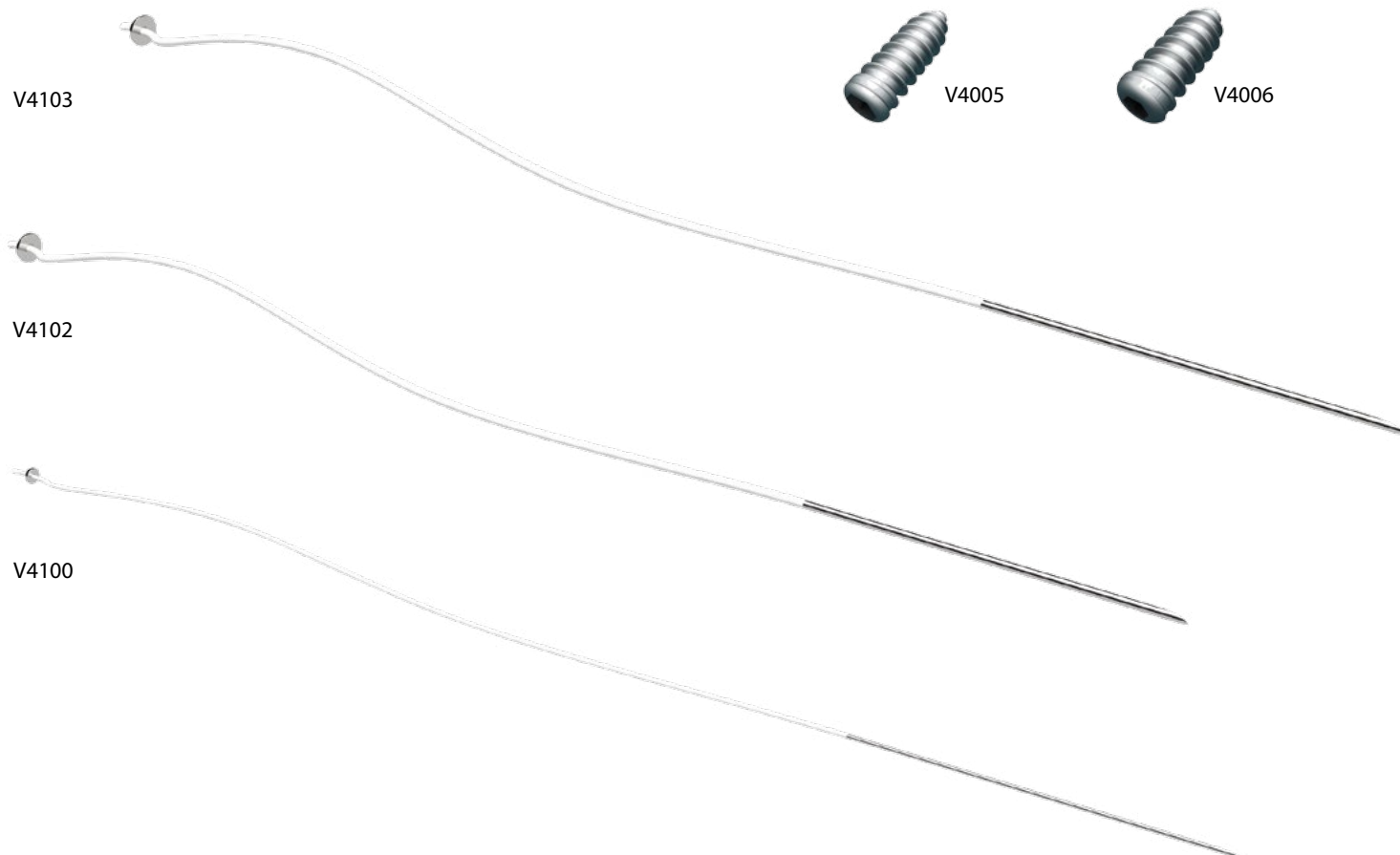
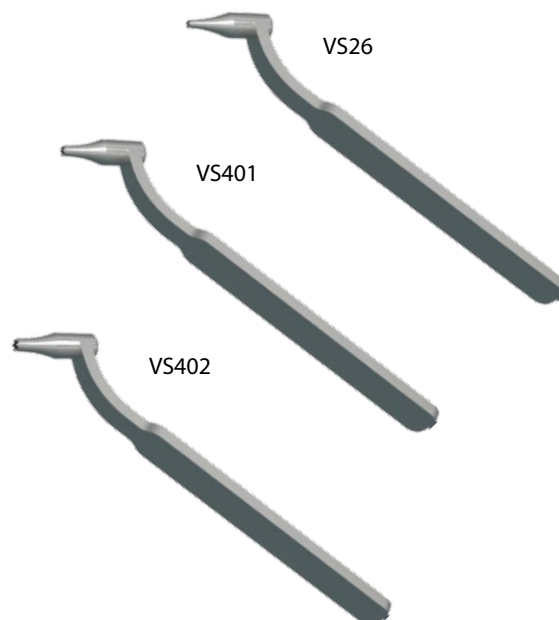
- ▶ Identify F2 & T3 sites
  - F2 is usually 1-2mm in front of the Fabella
  - T3 site is usually straight down from Girdees "sister" & behind the long digital extensor
- ▶ K-wire goes from lateral to medial
- ▶ Suture button goes on medial side of Tibia
- ▶ Screw goes on lateral side of Femur
- ▶ In some instances for a better preparation of bone tunnels, it may be required to drill the first cortex of Tibia and Femur with standard drill bits
  - Use 2.2 max 2.5 drill bit when using 1.0mm Isolock series
  - Use 2.8 drill bit when using 1.5mm and 2.0mm Isolock series
- ▶ When Isolock suture is passed into first bone tunnel, make sure to only pull 8/10cm of suture through to minimize contamination
- ▶ Pull out the remaining suture from protective sleeve after you've been through the entire procedure
- ▶ When preparing hole with reamers, try to avoid the cannulated part of the reamer filling with bone and soft tissue, always use specific K-wires sizes:
  - 1.5mm K-wire for 2.2 reamer
  - 2.0mm K-wire for 2.8 Reamer

## Implantes

Ref.	Description
V4100	ISO-LOCK ø 1 mm
V4102	ISO-LOCK ø 1.5 mm
V4103	ISO-LOCK ø 2 mm

## Kit Isolock

Ref.	Description
VK4100	ISO-LOCK ø 1 + Interference screw ø 4.0 + reamer ø 2.2
VK4102	ISO-LOCK ø 1.5 + Interference screw ø 5.5 + reamer ø 2.8
VK4103	ISO-LOCK ø 2 mm + Interference screw ø 5.5 + reamer ø 2.8

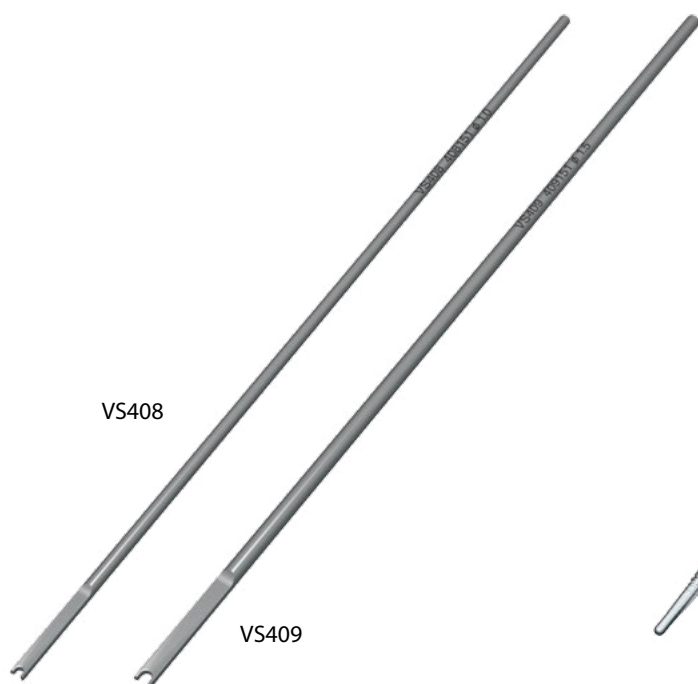


## Instruments

Ref.	Description
V4005	Interference screw $\varnothing$ 4.0 mm
V4006	Interference screw $\varnothing$ 5.5 mm
VS26	$\varnothing$ 1.0/1.2 mm K. Wire drill guide
S340	Exagonal screwdriver $\varnothing$ 2.5 mm
VS401	$\varnothing$ 1.5 mm K. Wire drill guide
VS402	$\varnothing$ 2.0 mm K. Wire drill guide
VS404	Tap $\varnothing$ 4.0 mm screw
VS405	Tap $\varnothing$ 5.5 mm screw
VS406	$\varnothing$ 2.2 mm reamer
VS407	$\varnothing$ 2.8 mm reamer
VS408	Suture fork small
VS409	Suture fork medium
VS4110	K. Wire 100 mm $\varnothing$ 1.2
VS4120	K. Wire 80 mm $\varnothing$ 1.5

### Additional tools needed

- 2.5 Hex Screwdriver
- Tap 4.0 (1.0 suture)
- Tap 5.5 (1.5 & 2.0 suture)
- K-wire 1.2
- K-wire 1.5
- Drill Bit 2.2 (1.5 & 2.0 suture)
- Drill Bit 2.8 (1.0 suture)



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