

Normal Activity

Your Zero-Cast Finger Splint aims to assist normal activities and movement. It is designed to leave fingertips free and permits digital device usage (smart-screens & typing). Should normal activity cause pain, avoid such activity unless encouraged by your clinician to continue. If experiencing ONGOING pain, discuss with the clinician/provider who fitted your Zero-Cast.

Swelling

Swelling may occur during the first few days following injury. This can cause pressure and make your splint feel tight. It may also cause the device to rub against your adjacent finger (if needed, apply finger taping to protect the area being rubbed). To help reduce swelling, keep your hand raised above your heart.

Discomfort & Skin Irritation

Your Zero-Cast device is made from latex-free materials and is non-irritant to the skin. However, should you experience itchy skin or skin-discomfort, carefully remove the finger splint (simultaneously squeezing both the C-Shaped ratchet legs to assist removal and reapplication – see illustration). Once removed, gently clean the splint (use lukewarm, mild soapy water, rinse & dry thoroughly). Clean the skin and apply a small amount of hand-moisturizer or calamine lotion to the finger before re-application. If skin-breakdown occurs, contact the clinic where it was applied and discuss with your healthcare provider.

Bathing, Showering & Activities

We recommend keeping your Zero-Cast clean. The device is waterproof, and you may shower or swim while it is fitted. It is important to carefully dry the device after using in water. This will avoid itchiness and odours. Use a dry towel and cool/warm air to dry the splint. Clean your splint carefully immediately following any activity where third-body-debris becomes trapped under the splint and next to the skin surface (eg. soil or chemicals when gardening, dust, sand, debris or chemicals when working, etc).

You can carefully remove the finger splint by simultaneously squeezing both the C-Shaped ratchet legs to assist removal. Re-application is also performed by squeezing the C-Shaped legs as you re-position.

Removal & Cleaning



Place the device on the finger AND at the correct joint-location undergoing treatment (NOTE: Palm side label and finger-tip direction-arrow when re-applying. See the removal/application illustration).

If a quick-clean is required, we suggest cleaning your Zero-Cast with disposable baby-wipes. For a normal-clean, remove finger splint and gently clean using lukewarm, mild, soapy water, rinse & dry thoroughly. Clean the skin around the finger and apply a small amount of hand-moisturizer or calamine lotion to the finger before re-application. Avoid using chemical cleaning agents.

Vx Finger Splint Fitting & Adjustment

If your splint feels too-loose (slipping out of position) or too-tight (uncomfortably tight pressure), contact the clinic where it was applied. They will check and quickly adjust the fit to suit your individual anatomy.

When To Contact Your Healthcare Provider...

If you note the following signs or symptoms, contact your healthcare provider immediately:

- o Fever or raised pain levels (despite taking pain medication).
- o Numbness, tingling, discoloration, or loss of movement in fingers/hand.
- o Burning and/or stinging pain.
- o Excessive swelling.
- o Blisters or wound-soreness. Oozing from skin or wound/s near the device.
- o Unusual or offensive odours.
- o Zero-Cast device breakage or failure.

NB. Additional information can be located on the Zero-Cast website; www.zero-cast.com



DESCRIPTION

Zero-Cast Vx is a dynamic, adjustable, finger splint, designed for the treatment of finger injuries requiring extension-blocking as indicated.

INDICATIONS

It is intended to be used on patients with finger injuries that can be treated non-operatively, including:

- Volar plate injury
- Swan neck deformity
- Flexor tendon injury
- Collateral ligament injury of finger

CONTRAINDICATIONS

The device is **NOT** designed to replace the surgical-treatment of complex or open fractures. It should not be used on patients with compromised finger skin-conditions or for treating Raynaud disease.

WARNINGS AND PRECAUTIONS

- Carefully read all warnings, precautions and instructions for use before using or fitting the device.
- The device is for external use only. Avoid exerting excessive force/pressure onto the device as it can result in deformation/failure.
- If the device does not function properly due to deformation/deterioration, DO NOT use the device and contact a Zero-Cast Agent or Customer Service Representative.
- This device is intended for single use only. It may not be reprocessed, refurbished or reused on additional patients.

MATERIALS

Main Body: Urethanes
Lining: Neoprene and Polyester

STORAGE

Store in a dry, clean environment. Avoid storage in direct sunlight. Shelf life is 2 years.

CLEANING

The Zero-Cast Vx is supplied **NON STERILE** and does not require cleaning or sterilising before use. Do not sterilise the product as it may deform. If required, you may clean the splint with clean-wipes or with mild detergent and warm water. Dry thoroughly before re-fitting. Avoid using any chemical cleaning agents.

INSTRUCTION FOR APPLICATION

This Zero-Cast finger splint is designed for specialist use and is to be applied by a trained medical professionals. The following instructions are a summary of the application steps. Each application may vary depending on the needs of each individual patient. Please refer to the training & support materials for comprehensive fitting instructions & an illustrated guide. Please contact a Zero-Cast agent or Customer Service Representative if you require access to these documents.

Steps:

1. Measurement + Size Selection

Place align the finger within the Vx sizer as instructed. This determines the splint size. Zero-Cast Vx is available in sizes 1 through 4. Choose the correct size from the sizes available.

2. Application

Position the labelled Palm-Plate onto the volar surface of the joint to be treated.

NB: the arrow indicate the correct orientation.

Align the ratchet legs and squeeze plates together with even pressure.

The ratcheted legs allows for controlled pressure to be applied during fitting onto the patient's finger.

To disengage the ratchets, place screw driver tip into volare slots and adjust ratchet pressure.

3. Final Checks

The plates should be positioned as recommended. The twin plates should be pressed together over the chosen PIP].

The splint should be fitted so as not to slide or piston over the skin. To check whether the pressure is adequate, ask the patient to make a full-curl fist and then fan out their fingers until the VX resists finger-extension.

Adjust the fitting of the 'ear-muff' pads that provide collateral ligament support.

Once checked, break off the excessive ratchet-leg portions. The leg-ends should break-off with a snap. Remove any sharp edges with a rasp.

4. Follow-Up

Provide the patient with a copy of 'Caring for your Zero-Cast Vx' document and organise follow-up appointments.

CUSTOMER SERVICE

Warranty Information

Subject to the warranty provisions set forth in Zero-Cast's Terms & Conditions of Sale, the product is guaranteed for materials, function and workmanship for patient use for up to 178 days from receipt. Zero-Cast shall not be liable, expressly or implied for:
Any damages which might arise or be caused, whether by the customer or by any of the users of the product, as a result of:

- a) Misuse, mishandling, and/or improper storage, cleaning or fitting.
- b) Repairs or modifications performed other than by Zero-Cast or a Zero-Cast authorised repair facility.
- c) Use in any manner or medical procedure other than those for which it is designed; and any special, indirect and/or consequential damages of any kind and however caused arising from the sale or use of the product.

This Warranty is in lieu of all other warranties, express, implied, and/or statutory, including but not limited to, warranties of merchantability, fitness, and/or suitability for a particular purpose, and of all other obligations or liabilities on the part of Zero-Cast.

Product Complaints

All questions or concerns related to quality, reliability and/or durability of this product should be directed to Zero-Cast Customer Services or to an authorised Zero-Cast agent or representative. For a return authorisation, please contact your local Zero-Cast representative.

REIMBURSEMENT

Coding Suggestions

Reimbursement codes vary by market. The customer is solely responsible for accurate coding. Your Zero-Cast distributor can provide assistance with reimbursement information for your market. Zero-Cast Ltd assumes no responsibility or liability for the customer's coding decision.

MANUFACTURED FOR

HEAD OFFICE

Zero-Cast Limited
13E Paul Matthews Road
Albany, Auckland 0632
New Zealand

USA OFFICES

Zero-Cast LLC
4603 Wax Myrtle
Fulshear, TX 77441, USA
Toll Free Phone: 1-888-399-8253

SYMBOLS LEGEND

	Product Code / Catalogue Number
	Lot Number
	Contents
	For Single Use Only
	Consult Instructions for Use
	Do not use if package is damaged
	Non Sterile
	Date of Manufacture
	Manufacturer
	Authorised representative in the European Community
	The product meets the essential requirements of Medical Device Directive (93/42/EEC)
	Does not contain Natural Rubber (Latex)

