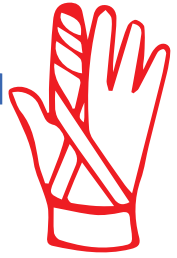
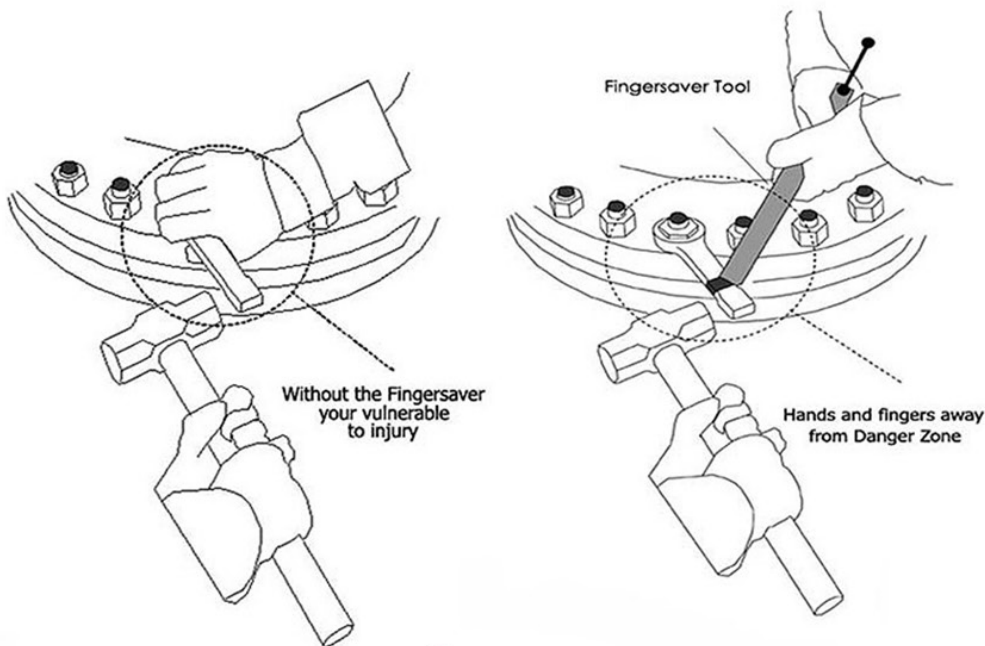


# Fingersaver



## Safety For Your Fingers

Where there is potential for injury to hands and fingers you should always use the FingerSaver



# YOUR HANDS ARE YOUR MOST IMPORTANT TOOLS

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## What Is the Purpose of This Guide

This guide is designed to present employees and employers a summary of the basic safety procedures and safeguards associated with the use of the FINGERSAVER tool.

Tragically, a serious incident can occur before steps are taken to identify and avoid or eliminate tool-related hazards.

Employees who use hand tools and are exposed to the hazards of falling, flying, abrasive, and splashing objects, or to harmful dusts, fumes, mists, vapours, or gases must be provided with the appropriate personal protective equipment.

## Background

**Derek from SEP UK says;**

**As a Field Engineer on an assignment for ExxonMobil, I have made bruised and injured fingers a thing of the past by creating a device to keep hands out of the danger area.**

I developed the Fingersaver after hearing of an injury to a Rotterdam employee.

*"For a long time, I had an idea to make a protective tool," he said, "so when (refinery mechanical manager) Cees Van Berkel asked for ways to stop people getting finger injuries during our future turnarounds at the refinery, I considered it in greater depth."*

I designed a tool to move fingers away from the impact position of the hammer on flogging spanners and from pinch points when using impact wrenches and hydraulic torque equipment. I borrowed materials from contractors on site and made a number of prototypes, which led to the purchase of enough material for a trial batch.

If you want to help your employees with hand safety you should seriously consider this safety product when assessing the risks of any task with potential for injury to hands and fingers.

## The Product

*Everyone is at risk when using things like hammers and impact wrenches.*

**The first batch of Fingersavers, were trialled during turnaround activities at Fawley Refinery, and more than 4,000 have since been manufactured by the UK manufacturer and purchased by ExxonMobil for use on site. The product has been tried and tested and has performed very well during every activity it has been used for. The Fingersaver is now a global product improving safety throughout the world.**

Every day in many industries people are sustaining hand and finger injuries that are preventable. Using the correct safety device should be an essential part of every day life. If you are working in areas where objects could hit you on the head, you would wear a hard hat. If your eyes are at risk from foreign objects or wind blown particles, you would wear safety glasses.

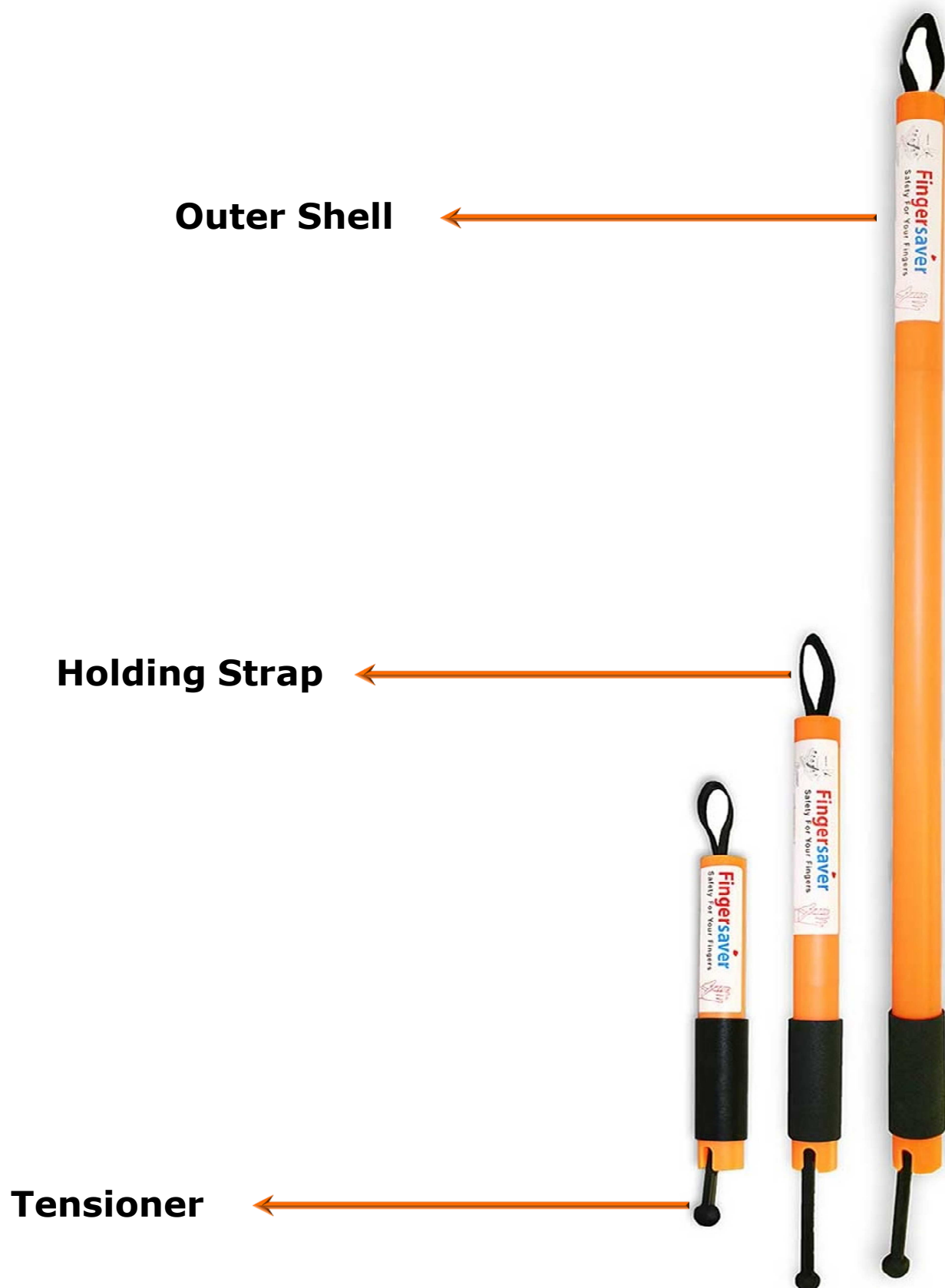
Think about your hands in the same way! Be sure to keep them safe and out of harms way, be sure to use the Fingersaver, don't take risks with you hands.





## Materials of Construction

1. High grade, high strength plastic moulded outer shell
2. Moulded high grade rubber tensioner
3. Seat Belt grade holding strap



## Fingersaver pre-use inspection

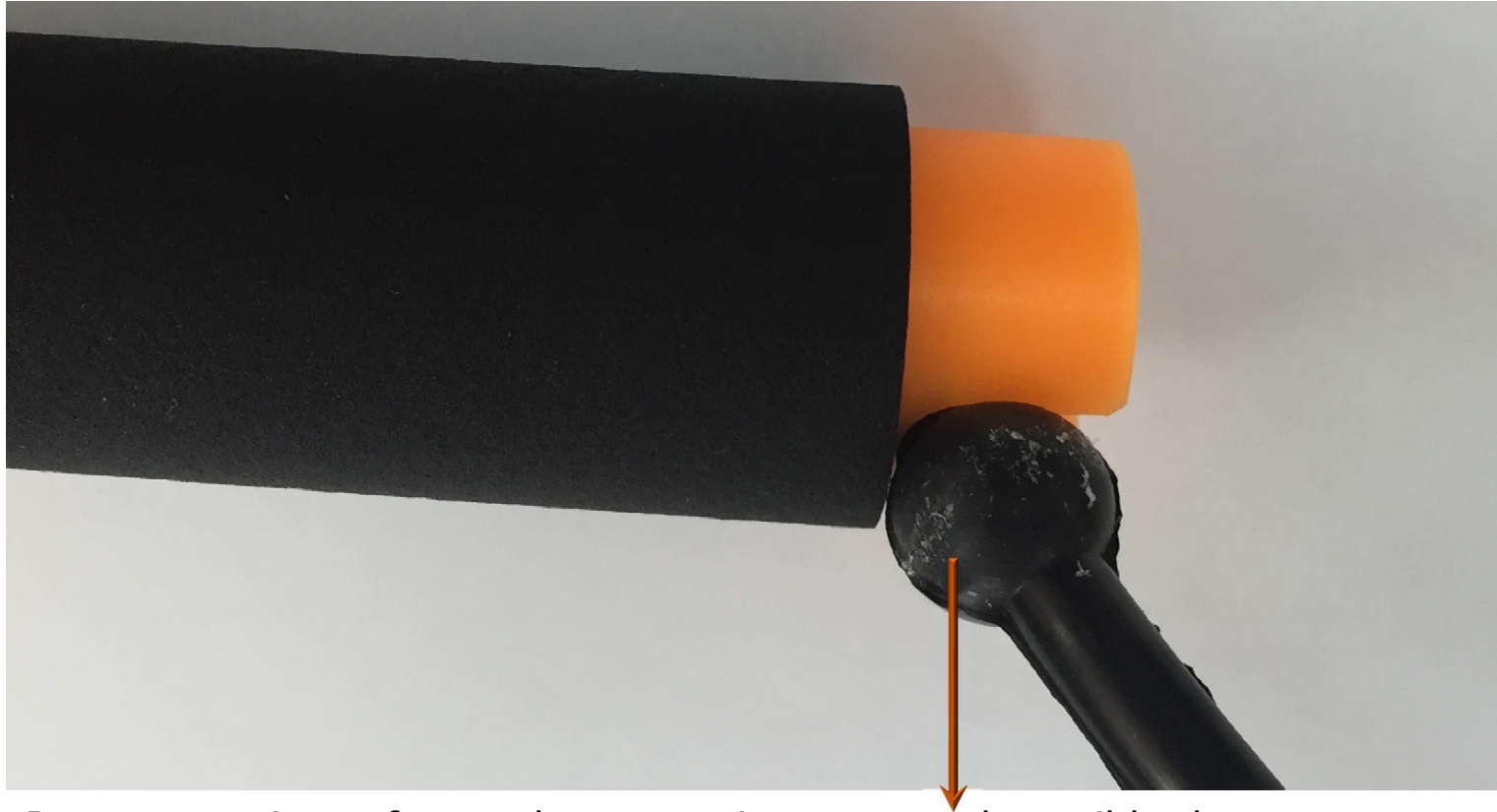


Inspect entire shell for cracks, excessive wear and damage caused by possible hammer strikes

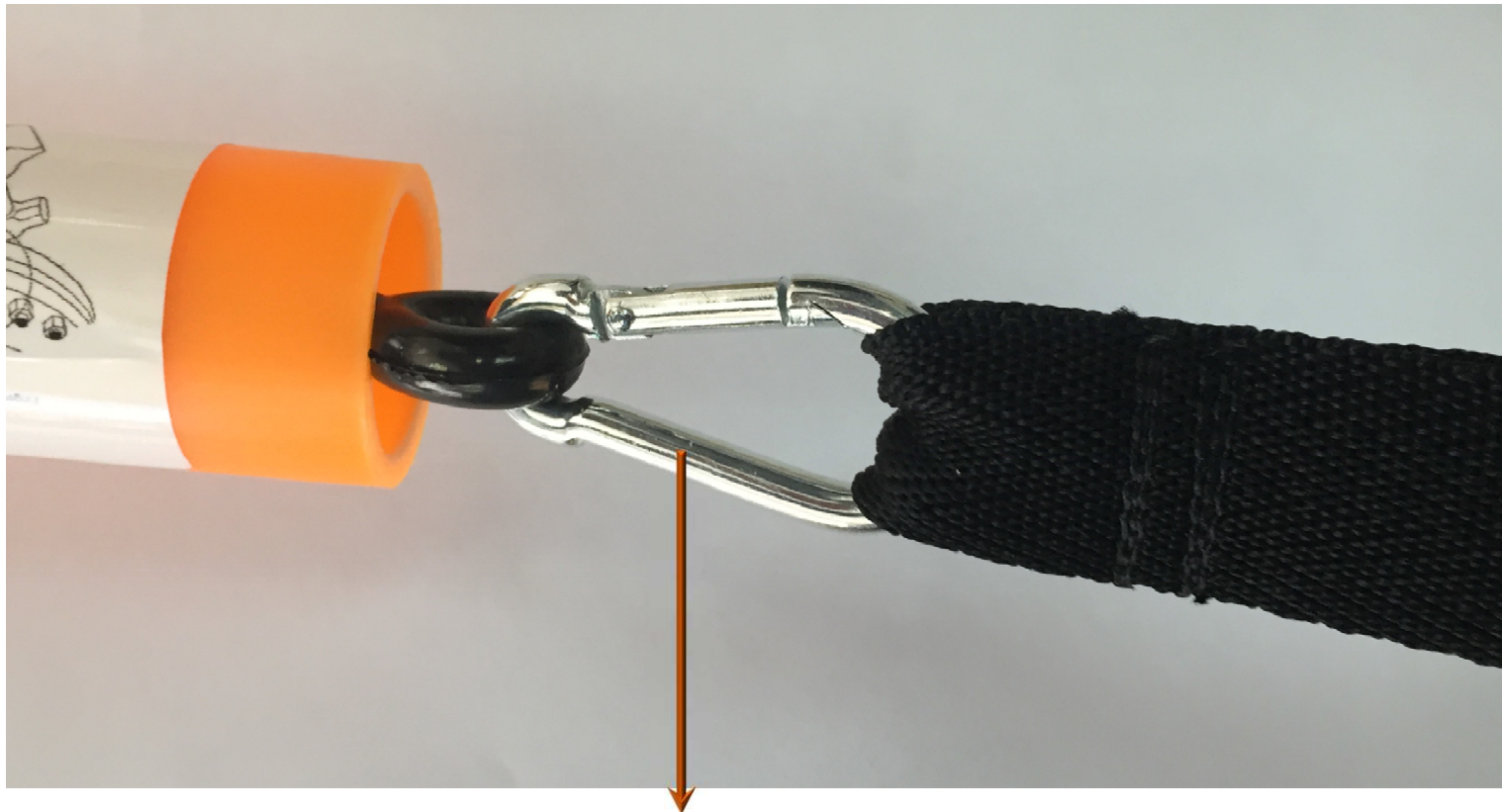


Inspect holding strap for excessive wear, damage caused by possible hammer strikes and tears. Slight fraying is acceptable.

## Fingersaver pre-use inspection

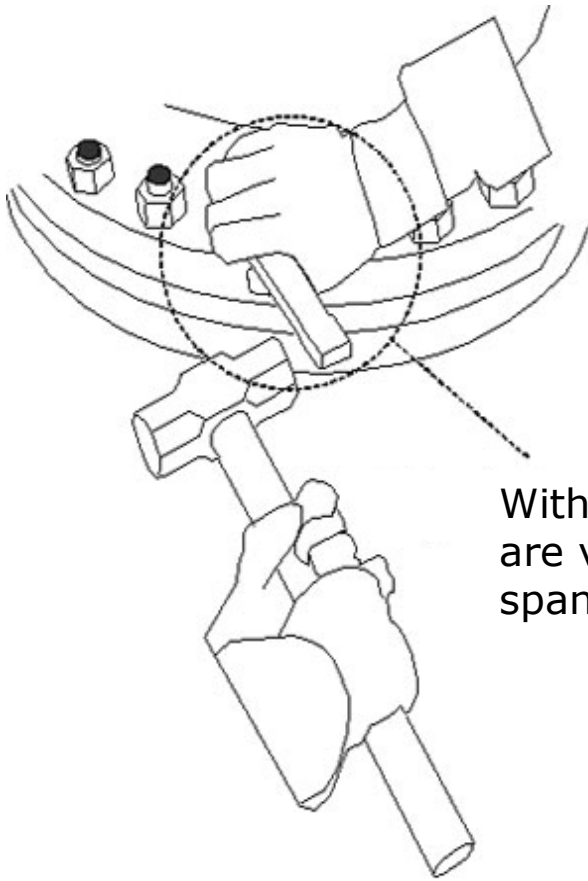


Inspect tensioner for cracks, excessive wear and possible damage caused due to exposure to aggressive liquids

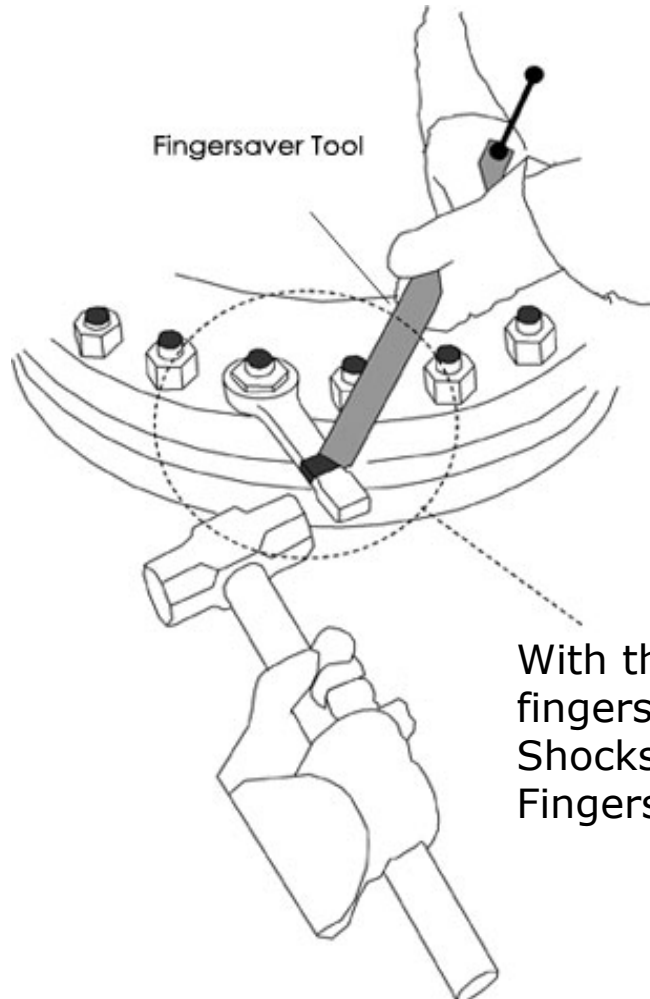


Inspect steel safety holding clip for excessive wear. This part is housed inside the outer shell and connects the tensioner and holding strap

## Correct usage of the Fingersaver



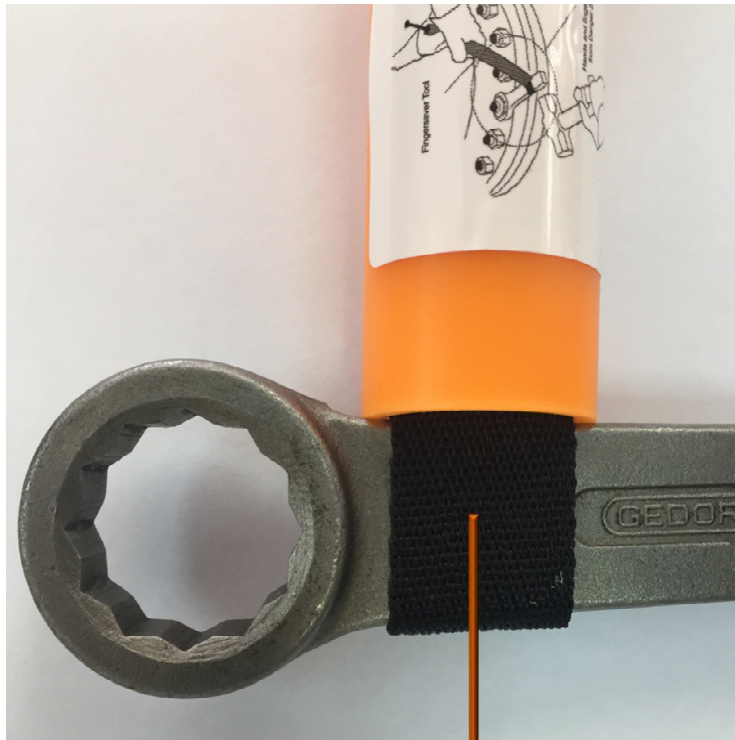
Without the Fingersaver, fingers are vulnerable to injury and spanner shocks



With the Fingersaver, hands and fingers away from Danger Zone. Shocks are absorbed through the Fingersaver



## Correct usage of the Fingersaver



Attach the flogging (slogging) spanner to the Fingersaver using the holding strap.

The Fingersaver can be attached to any part of the shaft using the holding strap



Pulling the tensioner at the back end of the Fingersaver results in the secure attachment of the spanner to the Fingersaver.

Ensure that the tensioner is firmly secured in the shell slot



## Correct usage of the Fingersaver



Available in two lengths 350mm and 900mm which allows safe usage for one to two persons.

Control over spanner is ensured even in difficult to reach places

## Tool Safety Lanyard

The safety tool lanyard is 1m long and made from a tough seat belt webbing material that can be attached to hand tools which prevents them falling to the ground when working at heights.

The lanyard has been load tested and catastrophic failure was recorded at 550 kilos, we certainly would NOT recommend that weights of this size be attached to the end of the Lanyard.

It is important to note that all jobs and jobs site circumstances are different; it is up to the user to determine the best method to attach the Lanyard depending on the scope of work.

### Typical use:

Fingersaver and spanner when in use; attach one end to the tool and other end to a suitable anchorage point i.e. safety harness.

Attach to tools not in use thus preventing falling objects.

**Do not attach in such a way to obstruct movement or to create a tripping hazard.**

**Do not attach to high impact tools such as hammers when in use.**

Don't leave yourself exposed to these dangers when working at heights, dropping your tools from heights can cause serious injury to people working below you.

A must have on building sites and when working on platforms.





# Task Specific Risk Assessment Guide

Task Specific Risk Assessment for Tightening and Break out of Stud Bolts using a Flogging (Slogging) Spanner and Hammer

Operational steps

Hazards  
(Source or exposure to danger)

Risks  
(What can go wrong)

Possible  
Consequences

Current controls

Recommended  
controls

S / H / E

Potential severity

1

2

3

4

5

Frequency

1

2

3

4

5

Exposure

1

2

3

4

5

Raw Risk

rating

Tighten and or Break out of stud bolts

Hammer and Slogging (flogging) spanner

Finger injury due to holding the spanner with one hand and striking the spanner with a hammer with the other hand

Finger injury and possible loss of limb

PPE; gloves

S

4

4

3

48

High

Tighten and or Break out of stud bolts

Hammer and Slogging (flogging) spanner

Finger injury due to holding the spanner with one hand and striking the spanner with a hammer with the other hand

Finger injury and possible loss of limb

PPE; gloves

Use Fingersaver Tool

S

1

4

3

12

Medium

RISK Assessment Methodology

Severity:

Weight Number

Hazard Description

Environment

Safety / Health

5

CATASTROPHIC

Irreversible Ecological Damage

Multiple fatalities due to injury or occupational disease

4

MAJOR

Reversible ecological damage with potential long term impact

Fatality or number of disabilities / disabling diseases (irreversible effects)

3

MODERATE

Ecological disturbance, can be rehabilitated

Disabling injury or occupational illness (can be fixed)

2

MINOR

Short term ecological impact, Requires Intervention

Minor injuries or exposure requiring medical attention

1

INSIGNIFICANT

Low impact, natural rehabilitation

First aid treatment required (only a plaster, no cleaning etc)

Frequency / Probability:

Weight Number

Evaluation Description

Frequency

5

1

Rare

Infrequent

Often

Less than once every 5 years

Every 1-5 years

Monthly

Daily

Exposure

Weight Number

Evaluation Description

Safety / Health Exposure

Environmental Exposure

5

1

Minimal

Restricted

Widespread

A few of the workforce, minimal time

Some of the workforce, some of the time (Not full 8 hr shift)

Most of the workforce, most of the time

Community Exposure

Raw Risk Calculation

Raw Risk = Severity x Frequency x Exposure

Risk Rating

Severity

Probability

1

2

3

4

5

1

1

2

4

7

11

2

3

5

8

12

16

3

6

9

13

17

20

4

10

14

18

21

23

5

15

19

22

24

25

Risk Score

16-25

7-15

1-6

High

Medium

Low

n

novus

SEALING SOUTH AFRICA