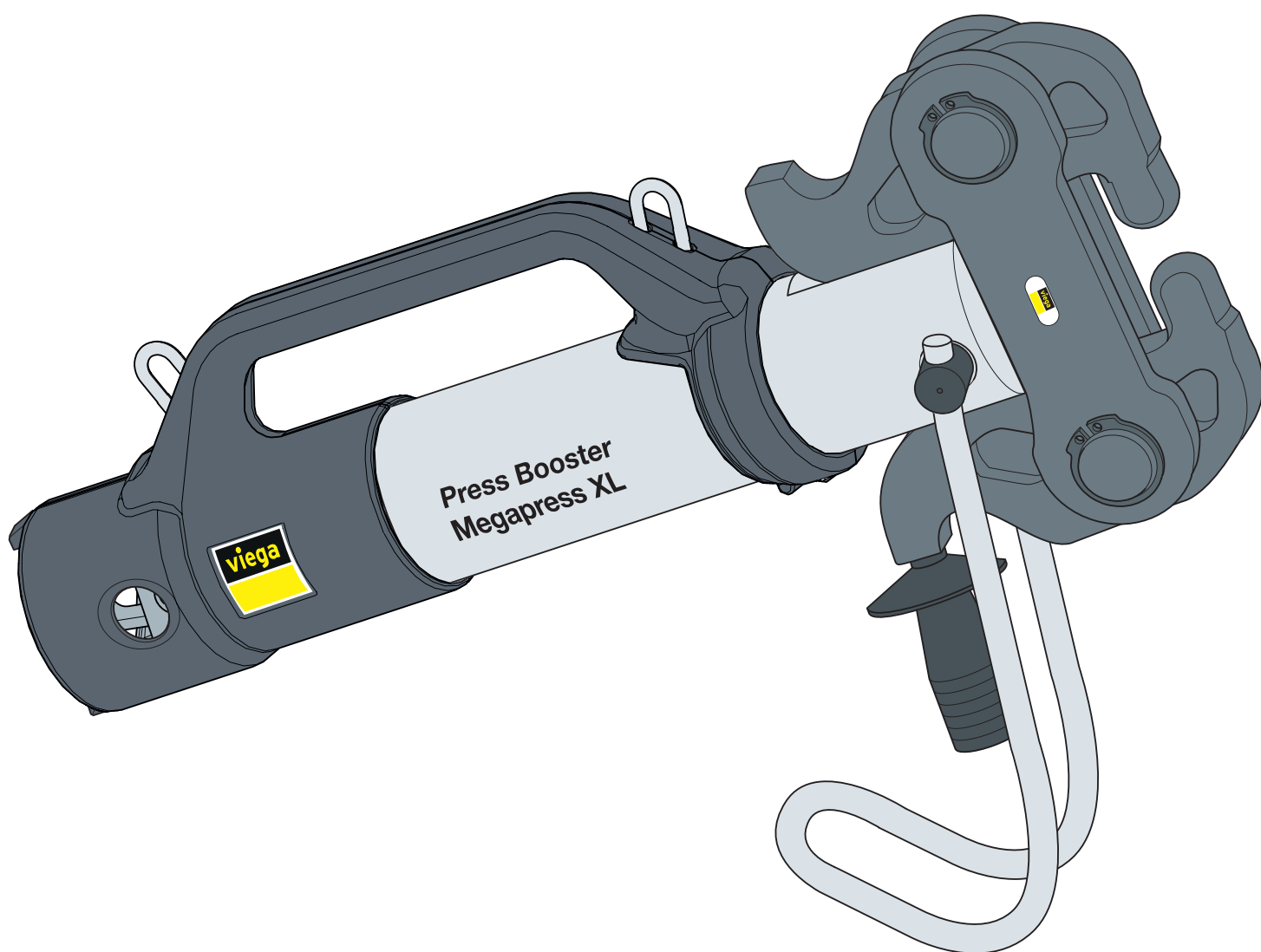


# Pressgun Press Booster

## Instructions for Use



for pressing Megapress XL press connectors

**Model**  
4296.2XL

**Year built:**  
from 10/2017

en\_INT

**viega**



# Table of contents

<b>1</b>	<b>About these instructions for use</b>	<b>4</b>
1.1	Target groups	4
1.2	Labelling of notes	4
1.3	About this translated version	5
1.4	Note on use of abbreviated terms	5
<b>2</b>	<b>Product information</b>	<b>6</b>
2.1	Standards and regulations	6
2.2	Intended use	6
2.2.1	Areas of use	6
2.3	Product description	7
2.3.1	Overview	7
2.3.2	Technical data	8
2.3.3	Operating mode	9
<b>3</b>	<b>Handling</b>	<b>10</b>
3.1	Transport and storage	10
3.2	Preparing the press tool	10
3.3	Pressing	13
3.4	Interrupting pressing	16
3.5	Troubleshooting	17
3.6	Care and maintenance	18
3.6.1	Cleaning the press tools	18
3.6.2	Inspection and maintenance	18
3.7	Service partners	19
3.8	Disposal	20

# 1 About these instructions for use

Trade mark rights exist for this document; for further information, go to [viega.com/legal](http://viega.com/legal).

## 1.1 Target groups

The information in this instruction manual is directed at the following groups of people:

- Heating and sanitary professionals and trained personnel

Individuals without the abovementioned training or qualification are not permitted to mount, install and, if required, maintain this product. This restriction does not extend to possible operating instructions.

The use of Viega products must be carried out in accordance with the general rules of engineering and the Viega instructions for use.

## 1.2 Labelling of notes

Warning and advisory texts are set aside from the remainder of the text and are labelled with the relevant pictographs.



### **DANGER!**

This symbol warns of possible life-threatening injury.



### **WARNING!**

This symbol warns of possible serious injury.



### **CAUTION!**

This symbol warns of possible injury.



### **NOTICE!**

This symbol warns of possible damage to property.



*This symbol gives additional information and hints.*

### 1.3 About this translated version

This instruction for use contains important information about the choice of product or system, assembly and commissioning as well as intended use and, if required, maintenance measures. The information about the products, their properties and application technology are based on the current standards in Europe (e. g. EN) and/or in Germany (e. g. DIN/DVGW).

Some passages in the text may refer to technical codes in Europe/ Germany. These should serve as recommendations in the absence of corresponding national regulations. The relevant national laws, standards, regulations, directives and other technical provisions take priority over the German/European directives specified in this manual: The information herein is not binding for other countries and regions; as said above, they should be understood as a recommendation.

### 1.4 Note on use of abbreviated terms

For reading comfort, the following abbreviated terms are used in these instructions for use:

Viega system press machine, such as e.g. Pressgun 5	Press machine
Viega Pressgun Press Booster	Press Booster
Viega Megapress XL press connector	Press connectors
Viega system press jaws	Press jaws
Viega system press rings	Press rings
Viega system press tool	Press tool Combinations of for example: ■ press machine and press jaw ■ Press machine and Press Booster

## 2 Product information

### 2.1 Standards and regulations

The following standards and regulations apply to Germany / Europe and are provided as a support feature.

#### Regulations from section: Technical data

Scope / Notice	Regulations applicable in Germany
Oscillation emission value	IEC 60745-1

### 2.2 Intended use

#### 2.2.1 Areas of use

The Viega Pressgun Press Booster is a press capacity booster. Together with a Viega Pressgun 5 (or comparable system press machines, see below) and the respective Viega Megapress XL system press rings, the Viega Pressgun Press Booster constitutes a full-featured system press tool. With the system press tool, it is possible to press Megapress XL connectors up to size 4 inches or 114.3 mm.

The Viega Pressgun Press Booster is certified for its full scope of functions.

#### Suitable system press machines:

Viega	Nussbaum
Viega type II	Nussbaum type 2
Viega PT3-H	Nussbaum type 3
Viega PT3-EH	
Viega Pressgun 4E	Nussbaum type 5
Viega Pressgun 4B	Nussbaum type 5A
Viega Pressgun 5	Nussbaum T6

#### Suitable system press rings

- Press ring for Megapress XL (model: 4296.1XL)


**NOTICE!**

To avoid confusion with Viega press rings for other Viega pressing systems, the hinged adapter jaw of the Pressgun Press Booster as well as the Megapress XL press rings are marked "Z3".

## 2.3 Product description

### 2.3.1 Overview

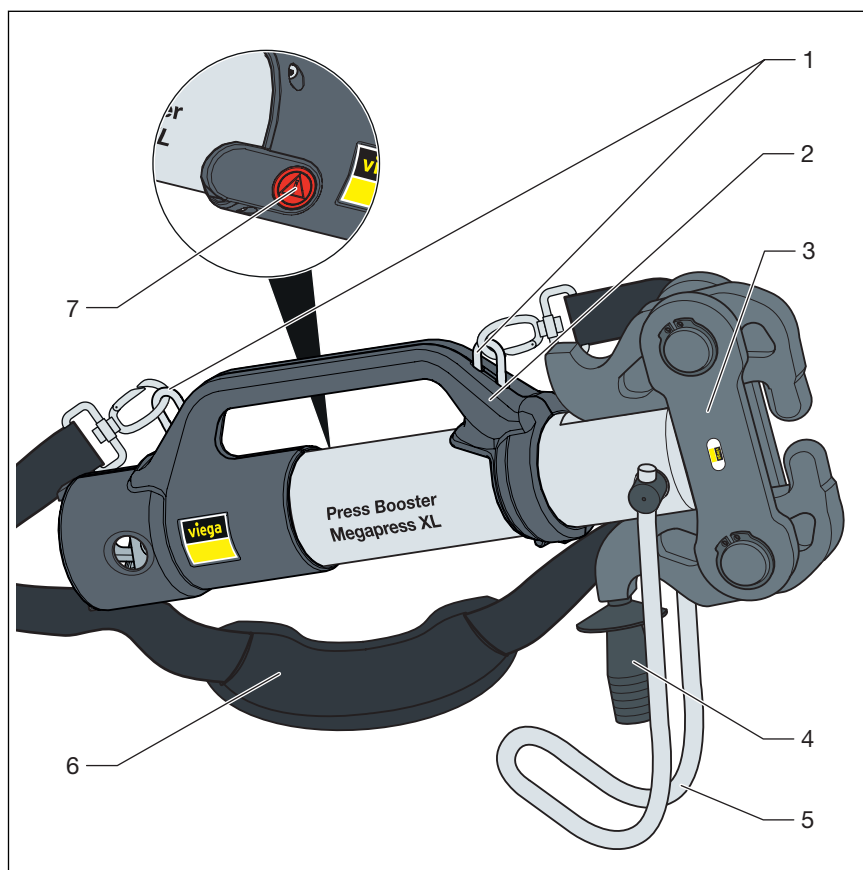


Fig. 1: Overview

- 1 - fastening lugs for the shoulder strap
- 2 - carrying handle
- 3 - Hinged adapter jaw
- 4 - control handle
- 5 - guard bracket
- 6 - shoulder strap
- 7 - Button for manual release

## System scope

The Megapress XL tool system consists of the following components:

### Tool sets

Set	Article number
Press Booster and press ring 2½ inch in case	762056
Press ring 3+4 inch, in case	762063

### Single components


Components	Article number
Press Booster	753924
Press ring 2½ inch / 76.1 mm	753870
Press ring 3 inch / 88.9 mm	753887
Press ring 4 inch / 114.3 mm	753900
shoulder strap	762117

## 2.3.2 Technical data

The product has the following technical data (approximate values):

Drive [external]	Press machines according to list ☞ „Suitable system press machines:“ on page 6
Operating temperature	-5 °C up to +50 °C
Permitted storage temperature	0 °C up to +45 °C
Permitted humidity	0% to 80%
Dimensions [L x W x H]	approx. 500 x 300 x 80 mm
Weight of Press Booster	approx. 9 kg
Weight of 2½ inch (73 mm, US pipe standard) press ring	approx. 2.7 kg
Weight of 2½ inch / 76.1 mm press ring	approx. 2.7 kg
Weight of 3 inch / 88.9 mm press ring	approx. 3.2 kg
Weight of 4 inch / 114.3 mm press ring	approx. 4.5 kg



*The oscillation emission value is measured pursuant to the applicable regulations and is suitable for comparing the machine with other electrical tools, also refer to  „Regulations from section: Technical data“ on page 6. When using the Press Booster, the actual value depends on which press machine (machine type) is used. Combined with the Pressgun 5, the oscillation emission value is for example  $< 2.5 \text{ m/s}^2$ .*

### 2.3.3 Operating mode


Combined with a Viega system press machine, the Press Booster acts as a press capacity booster.

As a rule, the Press Booster needs two pressings of the driving press machine to execute a complete pressing for Megapress XL press connectors.


During the first pressing, the press machine moves the roller head of the Press Booster forward and presses the ball heads of the hinged adapter jaw into the contact points of the press ring, building up pressure. A second pressing following directly after the first completes the pressing process, and causes the press machine and the Press Booster to move back automatically.

For the next pressing, you may need to carry out a reset stroke to move the press machine and the Pressgun-Press Booster back to its starting position.



*Once the Press Booster opens automatically, the pressing has been completed properly. If you cannot fully open the hinged adapter jaw of the Press Booster via the handle after completed pressing and removal from the press ring, actuate the press machine once more and carry out a reset stroke; also refer to  Chapter 3.3 „Pressing“ on page 13.*








*As soon as the first pressing is completed, locking takes place and prevents a separation of the Press Booster from the press ring until the entire pressing process is terminated. If you nevertheless need to interrupt the pressing, see  Chapter 3.4 „Interrupting pressing“ on page 16.*

## 3 Handling

### Warning and mandatory signs

Note the warning and mandatory signs on the Press Booster:

	<b>General hazard symbol</b> Comply with all instructions marked with this symbol to avoid injuries or danger to life.
	<b>Hazard of crushing your hands, fingers, and other body parts</b>
	<b>Hazard of electric shock</b>
	<b>Follow the instructions for use</b> Read the operating and safety instructions carefully before commissioning.
	<b>Wear eye protection</b> Wear safety goggles with side protection to avoid injury.

### 3.1 Transport and storage

Protect the Press Booster from the following external influences:

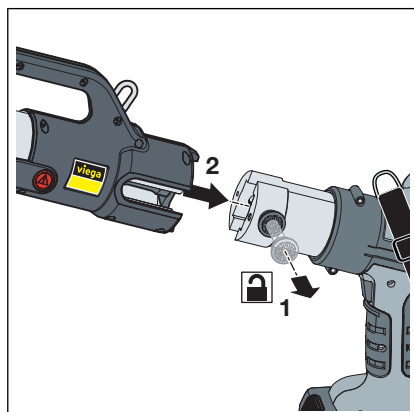
- Shocks
- Wetness and moisture
- Dust and dirt
- Frost and extreme heat
- Chemical solutions and vapours

Clean the Press Booster and the press rings before switching them off for longer standstill or storage ↗ *Chapter 3.6.1 „Cleaning the press tools“ on page 18.*

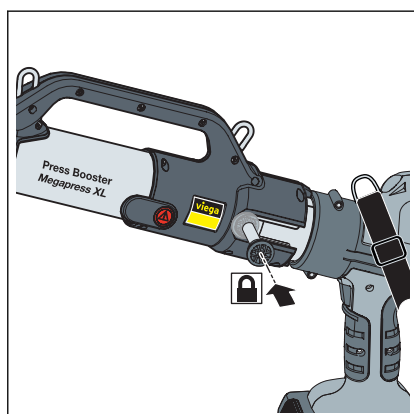
Store the Press Booster and press rings only in the case comprised in the delivery.

### 3.2 Preparing the press tool

#### Placing the Press Booster on the press machine



- Remove the retaining bolt of the press machine (1).
- Slide the Press Booster in via the press jaw fixture (2).



- Slide the retaining bolt of the press machine in as far as it will go.

### Using the shoulder strap

The shoulder strap simplifies working at heights, when you need to lay down the press tool repeatedly to carry out other steps (such as placing or shifting the press ring).

Use the additional securing strap comprised in the delivery for fastening the shoulder strap to the press machine. Fastening the shoulder strap to the press machine and to the Press Booster ensures a safe carrying position and an optimal, ergonomic posture.



#### NOTICE!

Make sure that the securing strap does not slip. Always pull the securing strap tight.

The following pictures show the exact position for fastening the securing strap for each suitable press machine type:

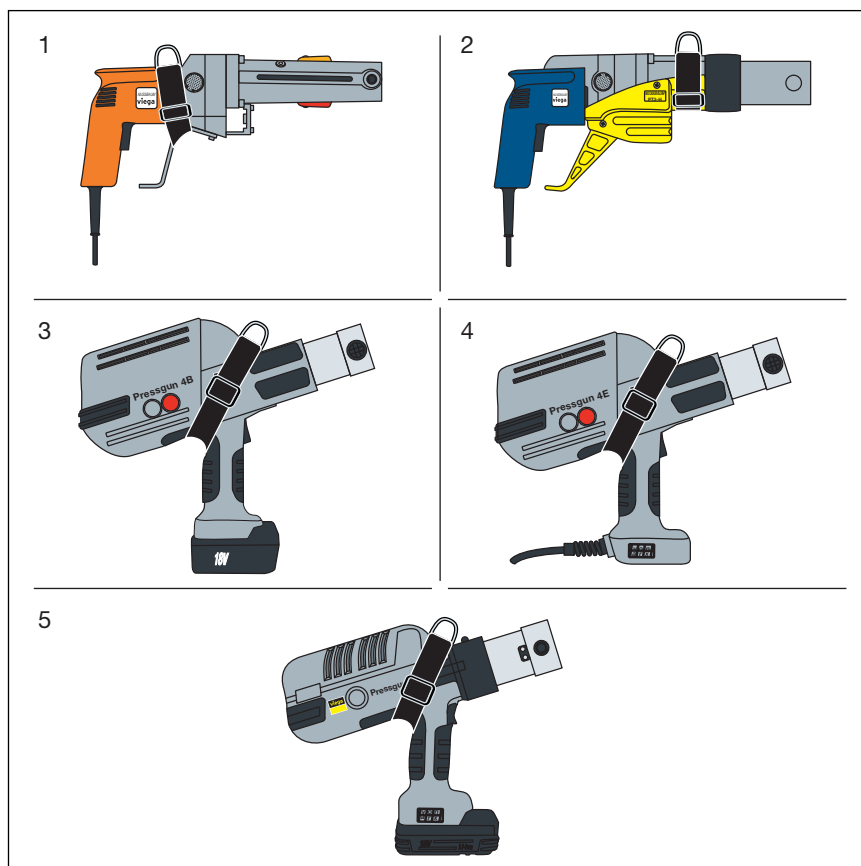
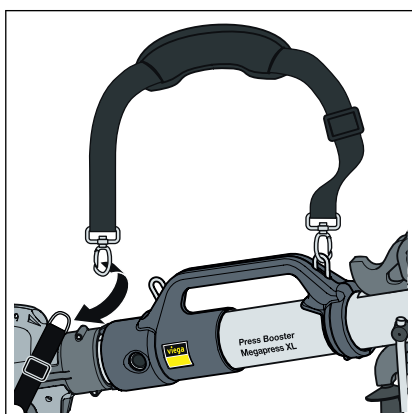
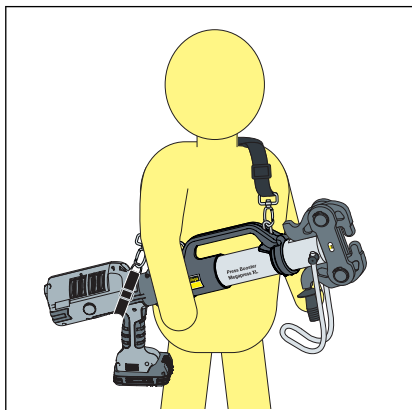


Fig. 2: Position of the securing strap at Viega press machines

- 1 - Viega PT2
- 2 - Viega PT3-H / Viega PT3-EH
- 3 - Viega Pressgun 4B
- 4 - Viega Pressgun 4E
- 5 - Viega Pressgun 5

► Use clasps to fasten the strap ends to the Press Booster and the press machine as shown.





- Use the shoulder strap to sling the press tool over your shoulder.
- ⇒ In this position, you can safely carry the press tool.

### 3.3 Pressing



#### CAUTION! Risk of crushing

Risk of getting your fingers and hands crushed.

- Hold the press tool during pressing with both hands at the handle areas provided for this purpose.



#### NOTICE! Clamping the press tool

In case of pressing without press ring, the Pressgun-Press Booster may jam.

- Never carry out pressings **without** press ring.



#### NOTICE! Property damage due to defective press ring

Using a defectively, incorrectly dimensioned, or worn press ring may result in incorrect pressing.

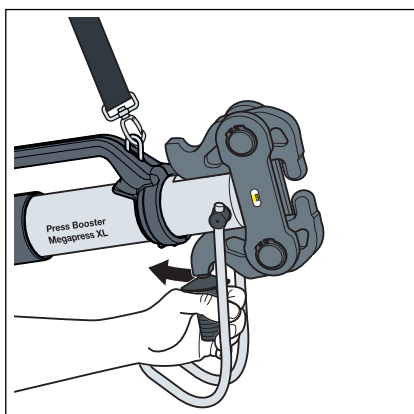
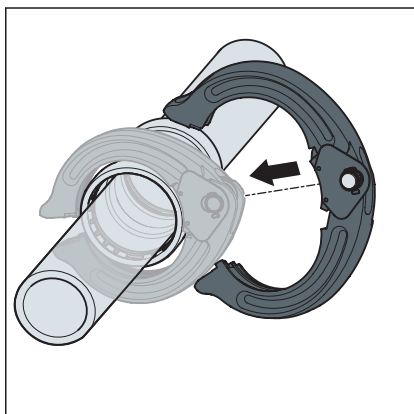
- Before using the press rings, check them for visible defects.
- Only use faultless press rings of a suitable size.



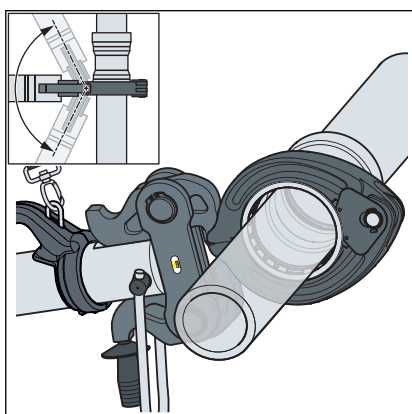
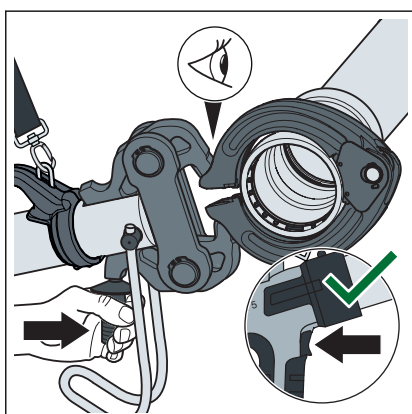
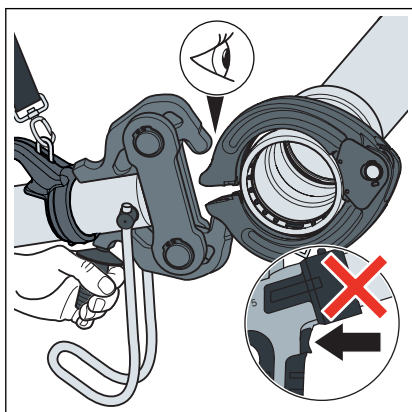
*Also observe the instruction for use of the press machine and the Megapress XL piping system you are using.*

# Requirements:

- The dimension of the press connector matches the dimension of the press ring.
- Open the press ring and place it around the respective pressing point of the press connector.



- Pull the handle at the hinged adapter jaw back.
  - ⇒ The hinged adapter jaw opens.



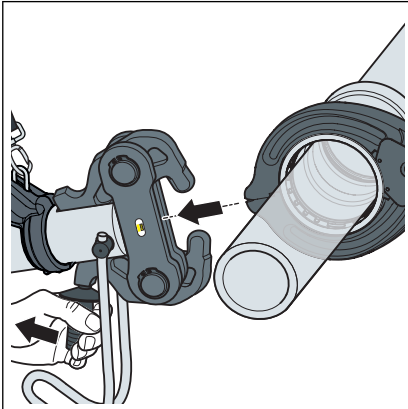
- Move the open hinged adapter jaw to the press ring.
  - Insert the ball heads of the hinged adapter jaw into the contact points of the press ring.
- NOTICE! Make sure the ball heads sit correctly in the contact points of the press ring.**
- Push the handle forward.
- ⇒ The hinged adapter jaw closes.

- Align the Press Booster so that safe footing is ensured during pressing.
  - Carry out the first pressing with the press machine.
- INFO! As soon as the first pressing is completed, locking takes place and prevents a separation of the Press Booster from the press ring. If you nevertheless need to interrupt the pressing, see ↗ Chapter 3.4 „Interrupting pressing“ on page 16.**
- Immediately after that, carry out the second pressing with the press machine.
- ⇒ You have pressed the Megapress XL press connector to the steel pipe.

The lock of the Pressgun-Press Booster opens automatically.



*If the pressing is not completed after two press strokes with the press machine and the Press Booster does not open automatically, carry out another press stroke. This also indicates a need for maintenance, see ↗ Chapter 3.6 „Care and maintenance“ on page 18.*



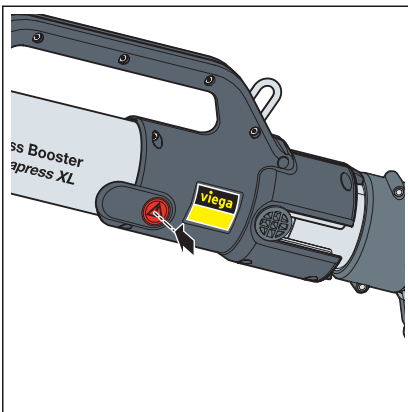
- Open the hinged adapter jaw via the handle and pull the Press Booster off the press ring.

**INFO!** If you cannot fully open the hinged adapter jaw of the Press Booster via the handle, carry out another stroke with the press machine (reset stroke). After a brief startup of the press machine, the press machine and the Press Booster return to their starting positions.

### 3.4 Interrupting pressing

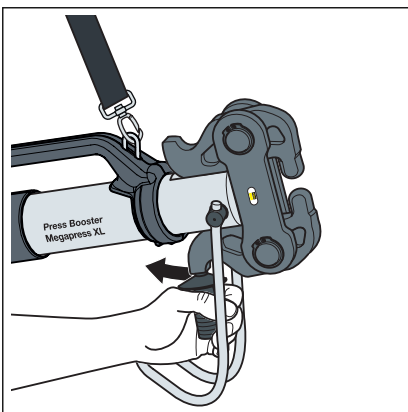
#### Take the Press Booster off the press ring

Should it be impossible to fully complete the pressing, you can manually loosen the Press Booster from the press ring.



- Keep the button for manual unlocking pressed until the piston has fully retracted and the hinged adapter jaw is without any load.

**INFO!** To do so, you may need to reset the press machine in the same way.



- Pull the handle at the hinged adapter jaw back.
  - ⇒ The hinged adapter jaw opens.

#### Continuing an aborted pressing

Aborted pressings of Megapress XL press connectors can be resumed and completed later. This should only be done in exceptional cases and is applicable in cases where the pressing was interrupted between the first and second pressing, and the press ring was loosened manually.



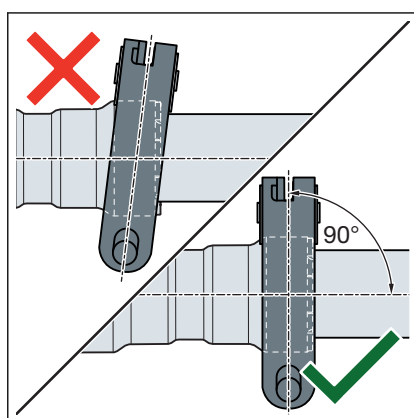
Before and during the first press stroke of the resumed pressing, note that the empty stroke is longer, and in particular note the following:

- The ball heads of the hinged adapter jaw must lie correctly in the contact points of the press ring.
- The press ring must not be inclined to the side and must not touch the press connector.

Requirements:

- The press connector and the press tool are not damaged.
- Once more attach the press ring to the press connector.

**INFO!** When completing a pressing later on, it is not necessary to place the press ring in exactly the same position on the press connector as during the aborted pressing, provided the axial positioning of the press ring on the connector is correct the press ring sits at a right angle to the pipeline axis.



- Carry out the complete pressing with the Press Booster.

## 3.5 Troubleshooting

In case of malfunction, check the following potential causes:

Malfunction	Cause	Remedy
The hinged adapter jaw is stiff.	The hinged adapter jaw is soiled.	Clean hinged adapter jaw, see <a href="#">Chapter 3.6.1 „Cleaning the press tools“</a> on page 18.
You cannot open the hinged adapter jaw of the Pressgun-Press Booster wide enough to apply it at the open press ring (unpressed connector).	The Press Booster was unable to return to the starting position.	Actuate the press machine once to carry out a reset stroke.
A pressing is started at the press machine. The Press Booster does not carry out the press stroke.	The Press Booster is defective.	Send your Press Booster for inspection and maintenance to your local service point.
The Press Booster requires three press strokes before you can take it off the press ring.	The Press Booster and/or the press machine are soiled.	Clean and lubricate the Press Booster and/or the press machine, see <a href="#">Chapter 3.6.1 „Cleaning the press tools“</a> on page 18. <a href="#">Observe the instructions for cleaning the press machine.</a>

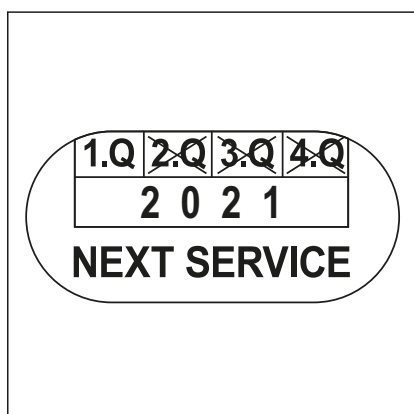
Malfunction	Cause	Remedy
	The press machine is incompatible or defective.	Use a different press machine, see <i>„Suitable system press machines:“ on page 6</i> . If the fault persists, contact your service partner.
The Press Booster fails to switch off after the 3rd press stroke. After manual reset, you can loosen it from the press ring.		Send your Press Booster for inspection and maintenance to your local service point.
The Press Booster fails to switch off after the 3rd press stroke. After manual reset, you <b>cannot</b> loosen it from the press ring.		Contact the Viega Technical Consultants.

## 3.6 Care and maintenance

### 3.6.1 Cleaning the press tools

- Use a cloth to remove any dirt and metal residues from the Press Booster.
- Lubricate the joints, ball heads, and moving components with maintenance oil (article no. 667 924).
- Then, spray the hinged adapter jaw thinly with maintenance oil (article no. 667 924). Let it soak briefly, then wipe the part down with a lint-free cloth.

### 3.6.2 Inspection and maintenance



The Press Booster has a label showing the date when the next regular maintenance is due (e.g. 1st quarter 2021). Have your machine serviced when due to ensure safety and availability. The maintenance interval is 20,000 pressings or 2 years, depending on what occurs first.



*If the Press Booster needs three or more press strokes to complete a pressing, contact the service partner in your country without delay, independent of the maintenance interval.*

## 3.7 Service partners

For maintenance and repair of the Viega system press tools, contact the service partner in your country.

Country code	Company	Address / contact information
A	König & Landl GmbH	Döblinger Hauptstrasse 15, 1190 Vienna +43 (1) 4797484-13 / sth@koenig-landl.at
AUS	Nepean Boltmaster Pty Ltd ABN	42 Borec Road, 2750 Penrith +61 (2) 4722 3034 / warren@nepbolt.com.au
AUS	Allied Power Tools Pty. Ltd.	12/76 Rushdale St, Knoxfield, VIC 3180 +61 (3) 9764 2911/ alliedservice@aanet.com.au
B	OMICRON-Benelux bvba	Grote Steenweg 116, 3454 Rummen-Geetbets +32 (11) 58 43 50 / rudy.massa@omicron-weldingtechnology.com
CZ	Mátl & Bula, spol. s r.o.	Stará posta, 66461 Brno +420 (5) 4723 0048 / bourdais@matl-bula.cz
D	Martin Unterreitmaier GmbH	Drygalski Allee 33 (Entrance B), 81477 Munich +49 (89) 8396 9091 / mu@unterreitmaier-gmbh.de
D	Hans-Joachim Voigt & Sohn	Nordlichtstrasse 48/50, 13405 Berlin +49 (30) 413 4041 / m.sturtz@voigt-und-sohn.de
D	Hamburger-Hochdruck-Hydraulik GmbH	Billwerder Billdeich 601c, 21033 Hamburg +49 (40) 7511 900 / C.Kaesler@HHHydraulik.com
DK	Scherer's Elektro ApS	Resenbrovej 4, 2610 Rodovre +45 (44) 843738 / Steffen@scherers-elektro.dk
E	Tecno Izquierdo S.L.	Avd. del Manzanares 222, 28026 Madrid +34 (914) 759158 / tecno.izquierdo@telefonica.net
F	PLASTIPRO	245 boulevard de l'Europe, 62118 Monchy le preux +33 (361) 47 40 45 / contact@sarl-plastipro.fr
FN	Sähköhuolto Tissari Oy	Pojjutie 3, 70460 Kuopio + 358 (17) 26 48 500 / osmo.tissari@sht.fi
GR	Ergon Equipment A.E.T.E.	102 Kleisthenous & Papafiessa Str, 153 44 Athens +30 (210) 604945 4 / astathis@ergon.com.gr
I	Elmes KG	Via Artigianale Nord, 6, 39040 Neumarkt +39 (0471) 813399 / info@elmes.it
I	O.R.E. s.r.l.	Via Sassonia, 16/G, 47900 Rimini +39 (0541) 741003 / info@oreutensili.com
JP	Toyo Kiko Inc.	717-5 Shimokuya-machi, 378-0061 Numata-shi +81 (278) 24 41 77 / r.adachi@toyo-fit.co.jp
n	Grønvold Maskinservice A/S	Brobekkveien 104 A, 0613 Oslo +47 (23) 05 06 40 / Terje@gronvoldmaskin.no

Country code	Company	Address / contact information
NL	MG Service	Canadabaan 2, 5388 RT Nistelrode +31 (412) 617 299 / grinsven@mgservice.nl
PL	ANB Sp. z o.o.	ul. Zerzeńska 36, 04-787 Warszawa +48 22 612 16 16 wew. 211 / biuro@anb.com.pl
RU	KONTURS-SDM	Moscow Region, Solnechnogorsk district, Leningradskoye shosse, 35 km., str.15 (Polygon MADI) +7 (499) 702-45-88 / remont@konturs-sdm.ru
S	AB Lindströms Elverkstad	Propellervägen 7, 39241 Kalmar +46 (48) 018877 / Fredrik.Greiff@lindstroms-elverkstad.se
UK	MEP LLA Glasgow - Depot 190	Unit K, Ashley Drive Bothwell, G71 8BS Glasgow +44 (1698) 740047 / angela.hepburn@vpplc.com
UK	Broughton Plant Hire	Unit 10, Trade City, Ashton Road, RM3 8UJ Romford, Essex +44 (1708) 383350 / steve@mbroughtonltd.co.uk

### 3.8 Disposal

For environmentally compatible disposal, send the Press Booster to your next service partner or give it to a recycling company. Do not dispose of press tools in the household rubbish and do not scrap them.