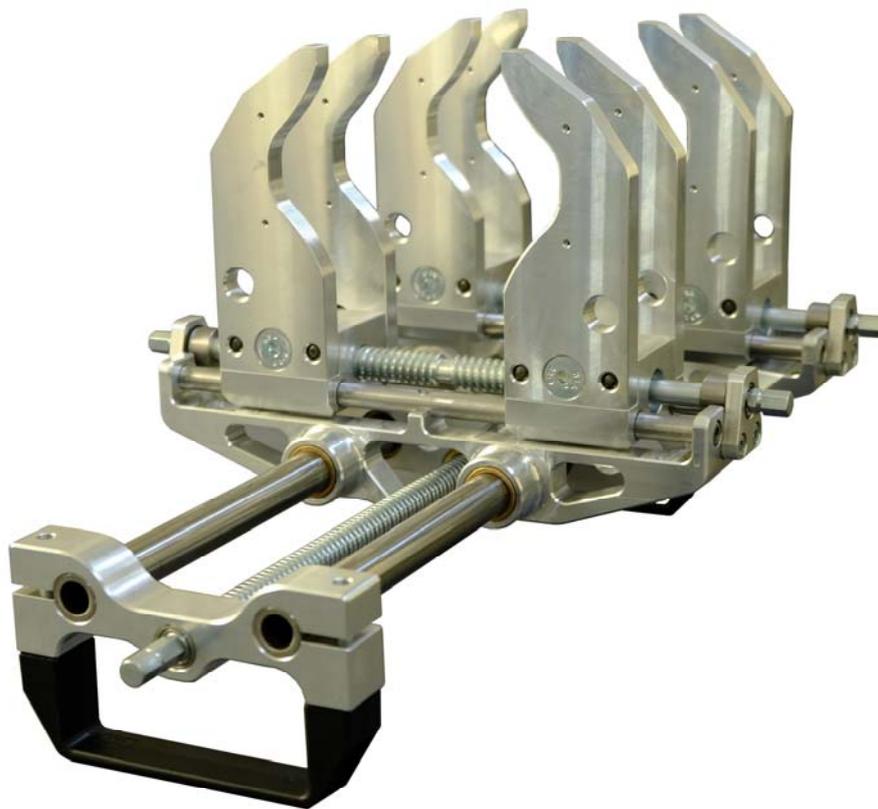


# Working Instructions Translation

## WIDOS Traction tool „JIG“



Keep for further use!

Type:

WIDOS Traction tool „JIG“

Serial number: / year of construction:

see type plate

### Customer entries

Inventory-no.:

Place of working:

### Order of spare parts and after sales service:

#### Address of manufacturer

#### WIDOS

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Einsteinstr. 5

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### Purpose of the document

These working instructions give you information about all important questions which refer to the construction and the safe working of your machine.

Just as we are you are obliged to engage in these working instructions, as well.

Not only to run your machine economically but also to avoid damages and injuries.

Should questions arise, contact our advisers in the factory or in our subsidiary companies.

We will help you with pleasure.

According to our interest to make our products and working instructions continuously better, we kindly ask you to inform us about problems and defects which occur during operation.

Thank you.

### Structure of the working instructions

This manual is arranged in chapters which refer to the different operating phases of the machine.

Due to this structure, the searched information can be found easily.



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Any changes are subject to technical innovations.

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# 1. Description of the product

This chapter gives important basic information about the product and its prescribed use. All technical details of the machine are put together as a general arrangement.

## 1.1. Usage and purpose-oriented use

The **WIDOS Traction tool "JIG"** has been developed for being used on site. It is destined for the heating element socket welding of pipes and fittings out of PE, PP and PVDF and for the outer diameters from 63 up to 170 mm.

Each usage beyond this one is considered as inappropriate.

The manufacturer is not liable for damages resulting from it.

The risk is borne by the user exclusively.

## 1.2. Technical data

### 1.2.1 WIDOS Traction tool "JIG" General data

Adequate for OD:	63 – 170 mm
Weight:	appr. 10 kg
Dimension (l x w x h) without handwheel:	appr. 469 x 329 x 266 mm
Dimension (l x w x h) with handwheel:	appr. 553 x 413 x 266 mm

## 1.3. Equipment and accessories:

The following accessories are part of the first delivery:

Pieces	Denomination	Order number
1	Flat wrench SW 10	ZRG10
1	Wrench insert SW 10 (for cordless screwdriver)	on request

You may take order numbers and single parts from chapter 5 resp. by asking the WIDOS company.

## 2. Safety rules

The base for the safe handling and the fault-free operation of this machine is the knowledge of the basic safety indications and rules.

The safety indications of this chapter represent the general part.

Particular information is listed directly before the corresponding actions are described.

- These working instructions contain the most important information to run the machine safely.
- The safety information must be read by all persons working on the machine.

### 2.1. Explanation of the symbols and indications

In the working instructions, following denominations and signs are used for dangers:



This symbol means a possible dangerous situation.

- The disrespect of these indications may cause serious injuries or damages on goods.



This symbol gives important information for the proper use of the machine.

- The non-respect of these indications may conduct to malfunctions and damages on the machine or on goods in the surrounding.



Under this symbol you get user tips and particularly useful information.

- It is a help for using all the functions on your machine in an optimal way and helps you to make the work easier.

**The regulations for the prevention of accidents are valid (UVV).**

### 2.2. Obligations of the owner, organizational measures

The owner engages himself to only let people work on the machine which

- are familiar with the basic prescriptions about work safety and which have also been initiated into the handling of the machine, as well as
- who have read and understood the safety chapter and the warning indications in this working instructions and who certified that by their signature.
- The working instructions are always to be kept at the location on which the machine is being used. They have to be accessible for the staff at any moment and without any effort.

### 2.3. Structural modifications on the machine

- No modifications, extensions or reconstructions may be made on the machine without permission of the manufacturer. In case of disrespect, the warranty or liability will expire resp. the EC declaration of conformity will get obsolete.
- Machine parts which are not in a perfect condition are to be replaced immediately.
- Only use original **WIDOS** spare and wear parts.
- In case of purchase orders please always state the machine number.

## 2.4. Warranty and liability

Fundamentally our "General Sales and Delivery Conditions" are valid.

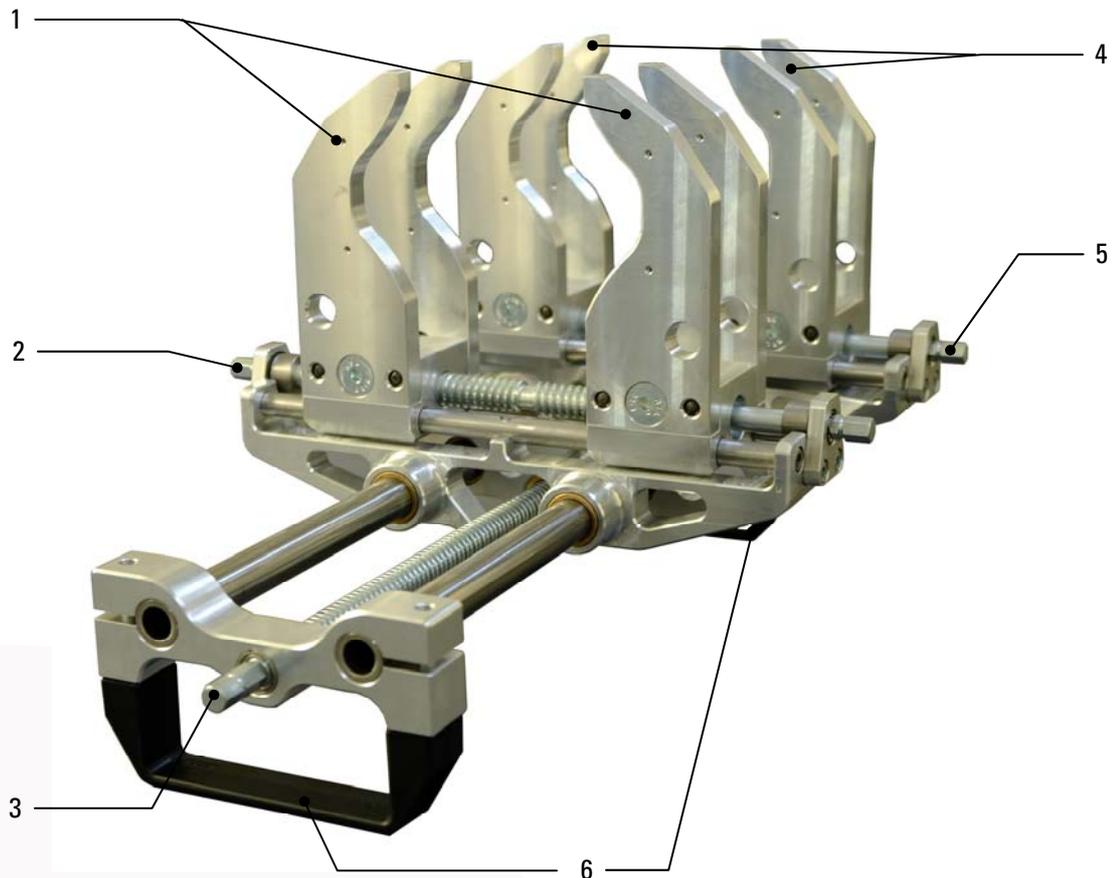
They are at the owner's disposal latest when signing the contract.

Guarantee and liability demands referring to personal injuries or damages on objects are excluded if they are caused by one or several of the following reasons:

- not using the machine according to the prescriptions
- inexpert transport, mounting, starting, operating and maintenance of the machine
- running the machine with defective or not orderly mounted safety appliances
- ignoring the information given in this manual
- structural modifications on the machine without permission
- unsatisfactory checking of parts of the machine, which are worn out
- repairs performed in an inexpert way
- in case of catastrophes and force majeure.

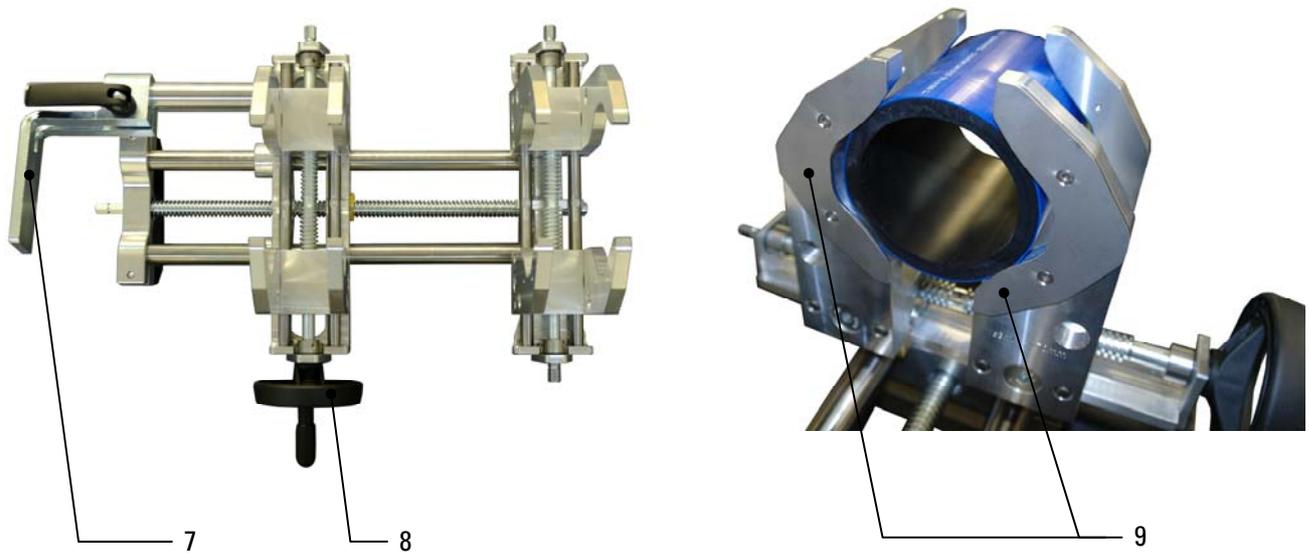
## 3. Operating elements and operating

### 3.1. Operating elements



No.	Denomination
1	Fix prism clamping tools
2	Spindle for fix prism clamping tools
3	Flexible prism clamping tools
4	Hand wheel at spindle for flexible prism clamping tool
5	Spindle for driving the flexible prism clamping tool to and from
6	Handles, for carrying the device

### 3.2. Optional accessories

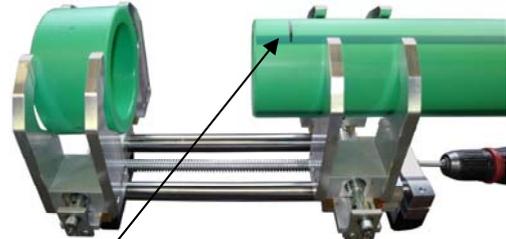


<b>No.</b>	<b>Denomination</b>
7	Support for fittings
8	Handwheel
9	Limit stop plates for fittings

### 3.3. Operating

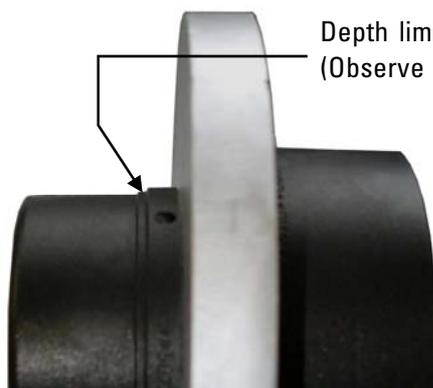
*In principle, the welding requirement must be adhered to (ISO / CEN / DVS / ASTM...) standards.*

- Make sure that socket, pipes, heating sockets and heating spigots are clean and free of grease.
- Open one prism clamping tool with flat wrench SW 10 or optionally with the handwheel resp. cordless screwdriver and wrench insert SW 10. Insert the socket and close the clamping tool. Clamp the socket tightly in a way that it cannot slip through. But keep in mind that it must not be deformed either.
- Open the second clamping tool with flat wrench SW 10 or optionally with the handwheel resp. cordless screwdriver and wrench insert SW 10. Insert the pipe with enough overhang to the inside and close the clamping tool.

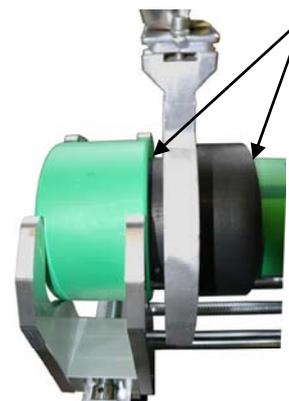


Mark the insertion depth of the socket on the pipe

- Bring the heated hand heating element between the workpieces.
- Drive the flexible prism clamping tool towards the fix prism clamping tool until heating socket and spigot have reached the prescribed insertion depth.



Depth limitation  
(Observe manufacturer's instructions)



- After the cooling time quickly drive the flexible prism clamping tool away from the fix clamping tool and remove the manual socket heating element from the device.
- Then quickly drive the heated pipe into the socket up to the marking according to the manufacturer's specifications.
- After the welding, open both prism clamping tools and remove the welding piece from the device afterwards.

## 4. Maintenance and storage

### 4.1. General

- Damaged parts need to be replaced **immediately**.
- In case of repair works only use **WIDOS spare parts**.
- Store the device in dry condition.
- Protect from heavy shocks and crushes.
- The device is to be handled carefully.
- Keep lifting spindle and shafts clean and slightly oiled.
- The ball bearings do not need any maintenance.

### 4.2. Service

- Keep spindles and shafts clean and lubricate them slightly.
- The ball bearings must not be serviced.

### 4.3. Disposal



At the end of the life time, the machine has to be disposed of properly, non-polluting and in accordance with the national laws of waste disposal.

## 5. Spare parts list



You can access our website and select our spare parts lists via the qr code shown here. Select "Traction tool "JIG"

## 6. Declaration of conformity

Issuing the declaration of conformity with regard to complying with the basic requirements and assembling the technical documentation is in the sole responsibility of:	
Manufacturer / Installation company:	WIDOS Wilhelm Dommer Söhne GmbH
Address:	WIDOS GmbH Einsteinstr. 5 D-71254 Ditzingen

Subject of the present declaration is the following device:	
<i>Product name:</i>	<b>WIDOS Traction tool</b>
<i>Model name:</i>	<b>Traction tool "JIG"</b>
<i>Machine number:</i>	
<i>Year of construction:</i>	

For the stated device we herewith declare that it complies with the <b>basic requirements</b> stipulated in the following designated harmonizing regulations: <b>in the sense of the EC guideline EC-Machinery Directive 2006/42/EC</b>
--

Statement of the relevant <b>harmonizing standards</b> referred to, or indication of the specifications that the conformity is declared for:	
Standard	Title
DIN EN ISO 12100	Safety of machines, basic concepts, general layout guidelines

Entitled to compile the technical documentation:	
Name:	WIDOS Wilhelm Dommer Söhne GmbH
Address:	Einsteinstr. 5 D-71254 Ditzingen

Signed on behalf of the company:	
Name, first name:	Dommer, Martin
Function:	Technical director

Heimerdingen, 07.05.2019

Place / Date

Legally binding signature



This declaration is to certify the compliance with the mentioned harmonizing regulations, however does not include any assurance of properties.