

# manual

MOUNTING – DISMOUNTING

ASSEMBLING – DISASSEMBLING  
INSTRUCTION

TECHNICAL INFORMATION

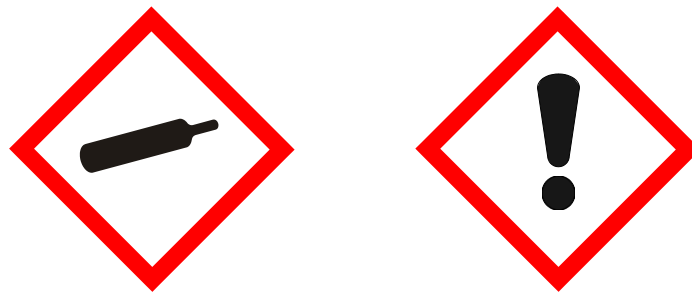
ET-C SI



## SAFETY AND QUALITY

### Health and safety

Incorrect assembly/installation may damage the keg spear and poses the risk that components may occasionally come off during initial pressurization and can cause harm to product and person.



### Quality

Specialised sealing systems made of high-grade materials are in daily utilisation with all our types of extractor tubes. Due to continuous improvement of our technology, we are able to equip all M-type systems with a two-year warranty.

## **LIST OF CONTENTS**

1. Mounting Instruction
2. Dismounting Instruction
3. Disassembling Instruction
4. Assembling Instruction
5. Tool List
6. Technical Information
7. Connections

# MOUNTING INSTRUCTION

## EXTRACTOR TUBE ET-C SI

### 1. Mounting Instruction

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## MOUNTING INSTRUCTION

### EXTRACTOR TUBE ET-C SI

Fig. 01



1. Moisten the extractor tube with water.

Fig. 02



2. Check the keg neck is clean. Clean the keg neck from any contaminations.

Fig. 03



3. Check the sealing ring is not damaged and is positioned correctly.

## MOUNTING INSTRUCTION

### EXTRACTOR TUBE ET-C SI

Fig. 04



4. Check if lock/safety is O.K. Insert the Extractor Tube straight.

Fig. 05



5. Push in the spear by hand. The safety latch will recess and click back after it has passed the keg neck.

Fig. 06



6. Tighten the extractor tube (rotate it clockwise) e.g. with the DSI screw-in/screw-out tool and torque-wrench. The mounting torque (continuous) must be  $80 \pm 5$  Nm.

## MOUNTING INSTRUCTION

### EXTRACTOR TUBE ET-C SI

Fig. 07



7. Remove the screw-in/screw-out tool. The  
keg is ready for use now.

## **DISMOUNTING INSTRUCTION**

### EXTRACTOR TUBE ET-C SI

## 2. Dismounting Instruction

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## DISMOUNTING INSTRUCTION

### EXTRACTOR TUBE ET-C SI

Fig. 08



1. Decompress the keg, e.g. by means of the DSI decompression and removal Tool.

Fig. 09



2. Unscrew the extractor tube (rotate it counter-clockwise) with the DSI screw-in/screw-out tool.

Fig. 10



3. Connect the Removal Tool like a normal dispense head and press down the handle till it clicks. The safety latch will recess.

## DISMOUNTING INSTRUCTION

### EXTRACTOR TUBE ET-C SI

Fig. 11



4. Take out the spear and disconnect the removal tool.

## **DISMOUNTING INSTRUCTION**

### EXTRACTOR TUBE ET-C SI

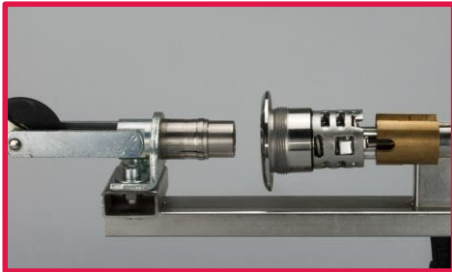
#### 3. Disassembling instruction

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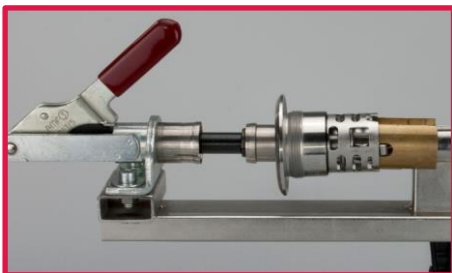


## DISMOUNTING INSTRUCTION

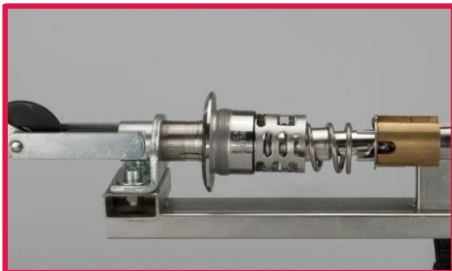
### EXTRACTOR TUBE ET-C SI



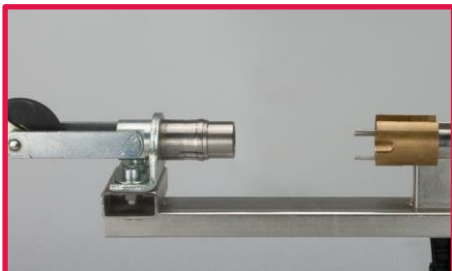
1. Put the extractor tube in the tool. Make sure that the three pins of the tool fit into the three holes in the bottom of the extractor tube.



2. Pull the handle forward to compress the spring. Push the safety latch slightly inwards. Pull the body downward and turn it anti-clockwise until it is unlocked.



3. Move the body upwards and connect it to the tool by turning the body 90°.



4. Push the handle backward. Take the subassembly out. Take the body off.



5. Take off the remaining parts. The extractor tube is disassembled.

# ASSEMBLING INSTRUCTION

## EXTRACTOR TUBE ET-C SI

### 4. Assembling instruction

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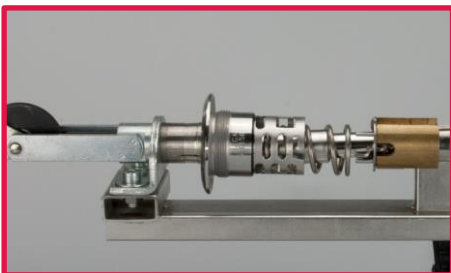


## ASSEMBLING INSTRUCTION

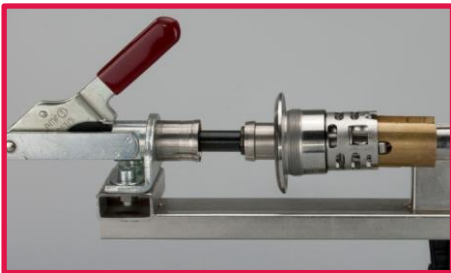
### EXTRACTOR TUBE ET-C SI



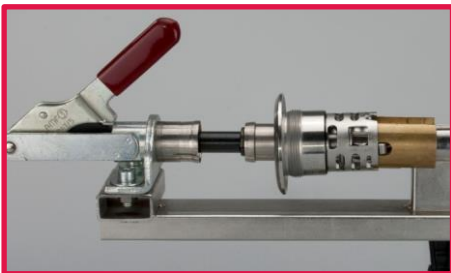
1. Replace the sealing ring on the body and the main seal. Assemble all parts.



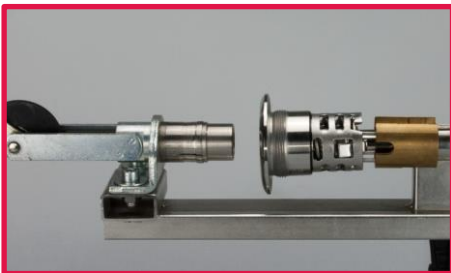
2. Connect the body to the Assembling Tool. Put the subassembly in the Tool. Push the safety latch slightly inwards.



3. Pull the handle forward to compress the spring.



4. Pull the body downwards and turn it clockwise until it is locked to the Extractor Tube Plate. Make sure that the safety latch sticks through the big opening in the body.



5. Push the handle backward in order to tension the spring and take out the extractor tube. Please check the correct positions of the seals and the safety latch.

## TOOLS

### EXTRACTOR TUBE ET-C SI

#### 5. Tool List

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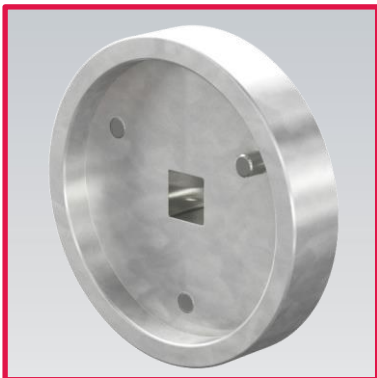
## TOOLS

### EXTRACTOR TUBE ET-C SI



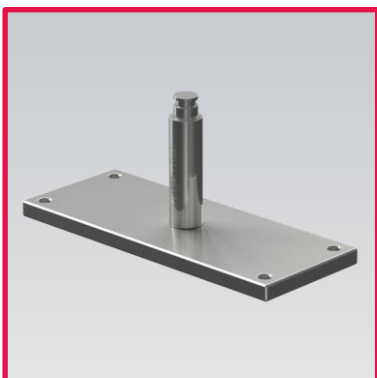
1. Removal- and decompression tool:

part number: 550439.1



2. Screw-in/screw-out tool:

part number: 550426.8



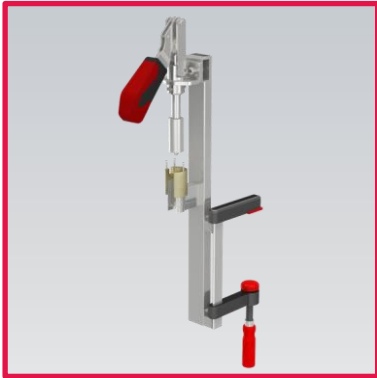
3. Disassembling tool CO<sub>2</sub> gasket:

part number: 910611



## TOOLS

### EXTRACTOR TUBE ET-C SI



4. Assembling/Disassembling tool:

part number: 910554



5. Assembling tool:

part number: 611899

## TECHNICAL INFORMATION

### EXTRACTOR TUBE ET-C SI

#### 6. Technical Information

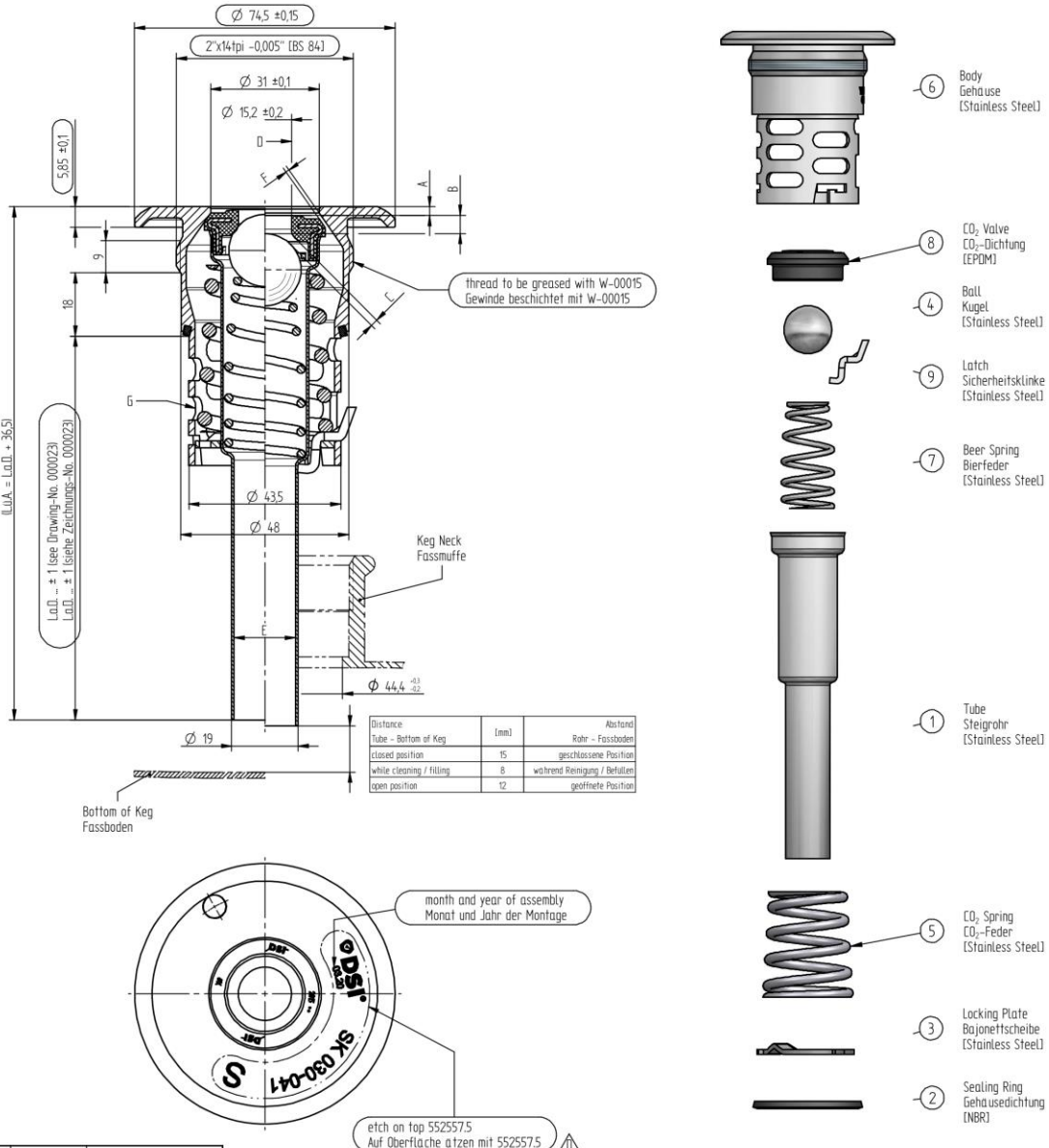
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# TECHNICAL INFORMATION

## EXTRACTOR TUBE ET-C SI

EN	DE	EN	DE	offene Position	während Reinigung / Befüllen
Product Information	Produktinformationen	Stroke and Passages	Hub und Öffnungsquerschnitte		
according to DIN 6650, DIN 3542 and FDA regulations	Produkt nach DIN 6650, DIN 3542 und FDA Bestimmungen	CO <sub>2</sub> valve + tube part 8 + part 1 – part 6	CO <sub>2</sub> -Dichtung + Steigrohr Pos. 8 + Pos. 1 – Pos. 6	A	35 mm max. 85 mm
gaslight	gasdicht	ball part 4 – part 8	Kugel Pos. 4 – Pos. 8	B	6,5 mm
for specific Length calculation keg drawing or H3-dimension is needed according to DIN 6647	Für konkrete Längenberechnung wird die Keg-Zeichnung oder das H3-Maß nach DIN 6647 benötigt	inside the seal part 8 – part 4	innerhalb der Dichtung Pos. 8 – Pos. 4	C	160 mm <sup>2</sup>
mounting torque: 80±5 Nm	Anzugsdrehmoment: 80±5 Nm	inside the seal part 8	innerhalb der Dichtung Pos. 8	D	180 mm <sup>2</sup>
temperature resistance short-time 135°C	Temperaturbeständigkeit kurzfristig 135°C	through inner tube Ø17,6 part 1	innerhalb des Steigrohrs Ø17,6 Pos. 1	E	240 mm <sup>2</sup>
for more information www.dispensegroup.com	für mehr Informationen www.dispensegroup.com	through outer tube part 8 – part 6	außerdahes des Steigrohrs Pos. 6 – Pos. 8	F	190 mm <sup>2</sup> 410 mm <sup>2</sup>
		in part 6	in Pos. 6	G	1250 mm <sup>2</sup>



Pos.	Quantity	Art.-No.	Title
1	1	000022	Master Down Tube C
2	1	026363.7	Sealing Ring
3	1	026367.0	Locking Plate
4	1	026703.6	Ball
5	1	553045.9	Spring
6	1	610150	Body C 2"x14tpi
7	1	610670	Valve Spring
8	1	611020	CO <sub>2</sub> Valve
9	1	611070	Safety Latch, flat

PRODUCT	TOLERANCES FIN 12 / 130 ROUGHERNESS RA 1,6 / 320	LAST CHANGE	SCALE: 1:1 (1:25)	WEIGHT
		DATE	MATERIAL	VOLUME
REV	DATE	BY	NAME	
REV	DATE	BY	NAME	
01	28.07.2021	kuhzb		
02	27.07.2023	wolter		
TITLE				
Master Extractor Tube C SI 2"x14 tpi				
DRAWING NUMBER			SHEET	
000019			1	
ALTERATIONS			REPL. BY: ..	
DATE	NAME	AV	PROD. DEV.	GERMANY

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## CONNECTIONS

### EXTRACTOR TUBE ET-C SI

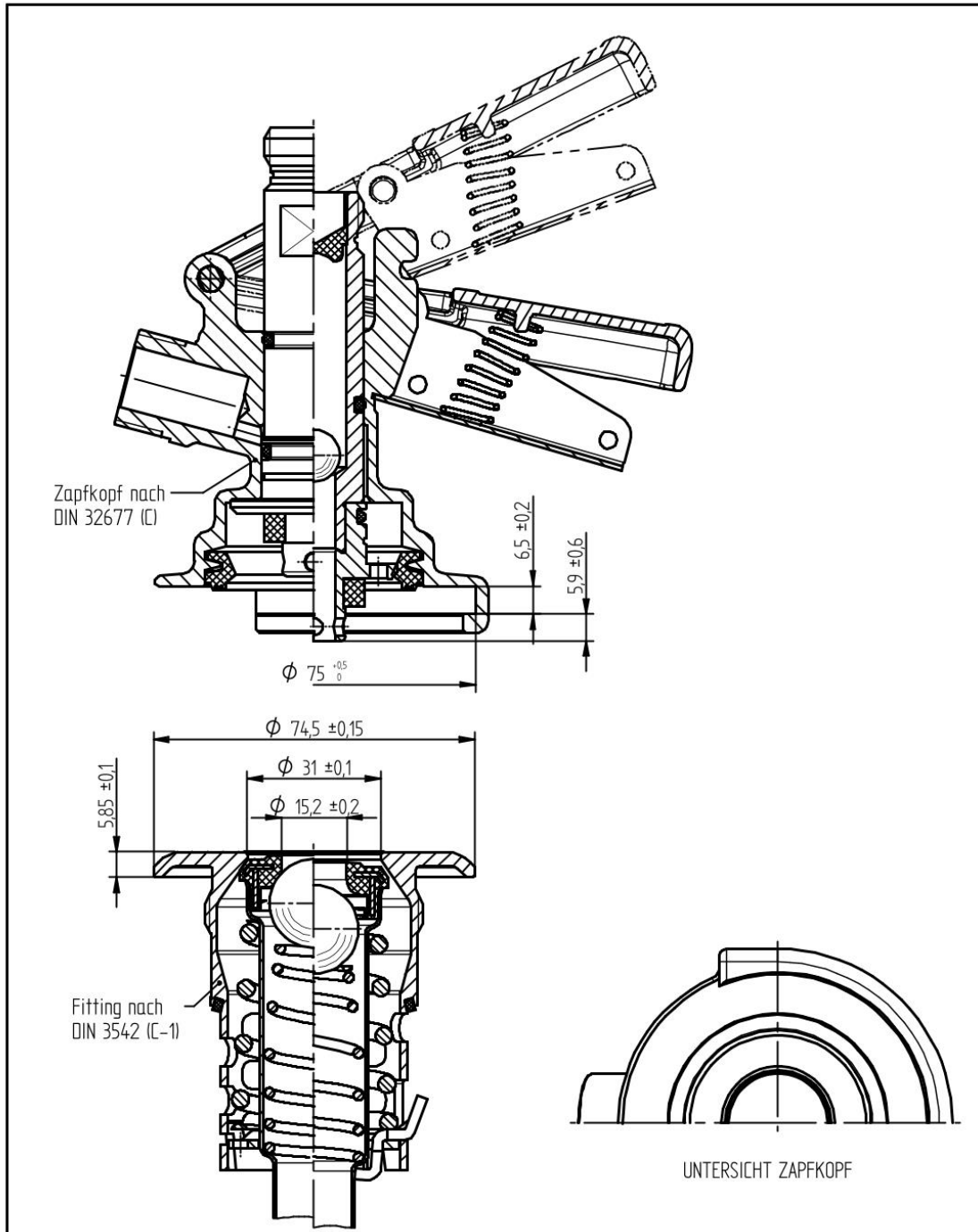
#### 7. Connections

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# CONNECTIONS

## EXTRACTOR TUBE ET-C SI



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PRODUCT		TOLERANCES DIN ISO 2768-mH		LAST CHANGE		SCALE		WEIGHT VOLUME	
		ROUGHNESS DIN EN ISO 1302		- X $\Delta$		MATERIAL			
		EDGES DIN EN ISO 13715				TITLE			
		DESIGN		DATE		NAME			
		AM		14.06.2005		AH			
		2D		09.04.2020		kunze			
		3D		09.04.2020		kunze			
		FILE NAME: D:\C:\p\0185574.dsm							
		DRAWING NAME: 185574 Combi Type Connection System.dft							
						PROJ. METHOD    FORMAT    DRAWING NUMBER A4    185574		SHEET 2 3 SHTS.	
ALTERATIONS		DATE		NAME		AM		PROD. DEV.    GERMANY    REPL. -    REPL. BY -	

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