

manual

MOUNTING – DISMOUNTING

ASSEMBLING – DISASSEMBLING
INSTRUCTION

TECHNICAL INFORMATION

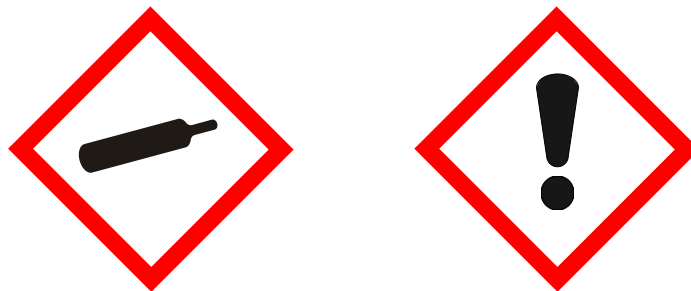
ET-W D
ET-W DB
ET-W B



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 A-type and G-type systems with a two-year warranty.

LIST OF CONTENTS

1. Mounting Instruction
2. Dismounting Instruction ET-W D
3. Dismounting Instruction ET-W DB / ET-W B
4. Disassembling Instruction
5. Assembling Instruction
6. Tool List
7. Technical Information
8. Connections

MOUNTING INSTRUCTION

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B

1. Mounting Instruction

ET-W D



ET-W DB



ET-W B



MOUNTING INSTRUCTION

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B

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-W D / ET-W DB / ET-W B

Fig. 04



4. Check if lock/safety is O.K. Insert the extractor tube straight.

Fig. 05



5. Turn the extractor tube clockwise until it engages in the socket.

Fig. 06



6. Place the ring segment of the DSI assembly tool around the drum sleeve. Place the retaining ring on the pressure piece of the assembly tool as shown. Align the slots of the pressure piece of the assembly tool with the cams of the extractor tube housing by turning the entire tool.

MOUNTING INSTRUCTION

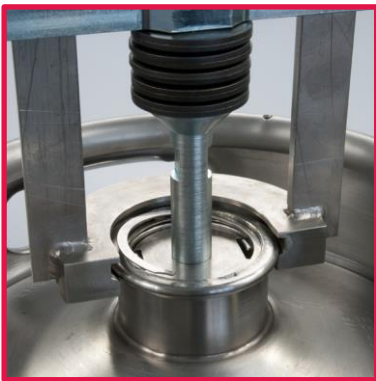
EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B

Fig. 07



7. Press the extractor tube into the barrel sleeve by turning the handles of the assembly tools to a horizontal position.

Fig. 08



8. Insert the retaining ring into the groove of the drum sleeve. Make sure that the ring is fully retracted.

Fig. 09



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

DISMOUNTING INSTRUCTION

EXTRACTOR TUBE ET-W D

2. Dismounting Instruction ET-W D

ET-W D



ET-W DB



ET-W B



DISMOUNTING INSTRUCTION

EXTRACTOR TUBE ET-W D

Fig. 10



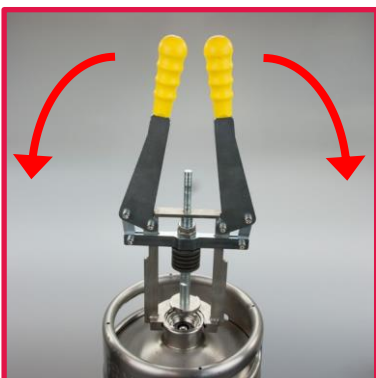
1. Decompress the keg, e.g. by means of the DSI decompression and removal Tool.

Fig. 11



2. Place the ring segment of the DSI assembly tool around the barrel sleeve. Align the slots of the pressure piece of the assembly tool with the cams of the body by turning the complete tool.

Fig. 12

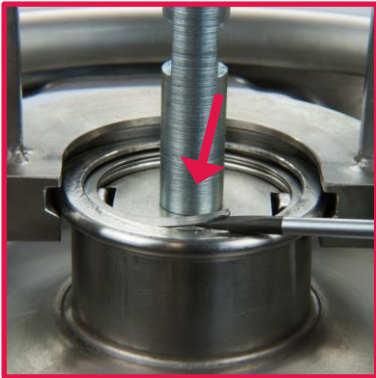


3. Press the extractor tube into the barrel sleeve by bringing the handles of the assembly tool into a horizontal position.

DISMOUNTING INSTRUCTION

EXTRACTOR TUBE ET-W D

Fig. 13



4. Use the DSI retaining ring remover to remove the ring from the groove of the drum sleeve. First remove the last coil and then the retaining ring from the groove. Turn the handles of the assembly tool to a vertical position and then remove the tool.

Fig. 14



5. Remove the extractor tube from the keg by turning it anti-clockwise and lift it up.

DO NOT USE THE RETAINING RING AGAIN!

DISMOUNTING INSTRUCTION

EXTRACTOR TUBE ET-W DB/ ET-W B

3. Disassembling instruction

ET-W D



ET-W DB



ET-W B



DISMOUNTING INSTRUCTION

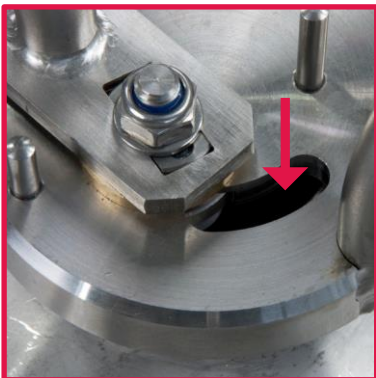
EXTRACTOR TUBE ET-W DB / ET-W B

Fig. 15



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

Fig. 16



2. Place the tool for retaining ring removal flat on the drum sleeve with the handles open (against the retaining pin). Turn the tool until the opening of the circlip is visible through the curved slot. (see Fig. 09)

Fig. 17



3. Close the handles up to the retaining pin. The right-hand side of the retaining ring rises. With the handles closed, turn the entire tool approximately 270° clockwise until the circlip comes out of the barrel sleeve.

DISMOUNTING INSTRUCTION

EXTRACTOR TUBE ET-W DB/ ET-W B

Fig. 18



4. Open the handles (up to the retaining pin).
Remove the tool from the barrel sleeve.

Fig. 19



5. Remove the extractor tube from the keg by turning it clockwise and lift it up.

DO NOT USE THE RETAINING RING AGAIN!

DISASSEMBLING INSTRUCTION

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B

4. Disassembling instruction

ET-W D



ET-W DB

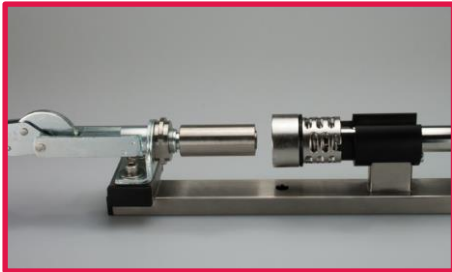


ET-W B

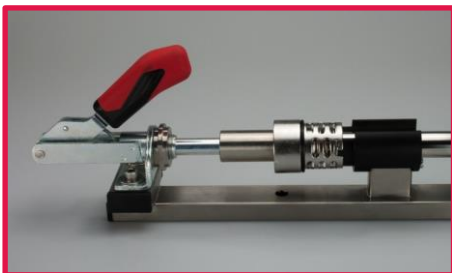


DISASSEMBLING INSTRUCTION

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B



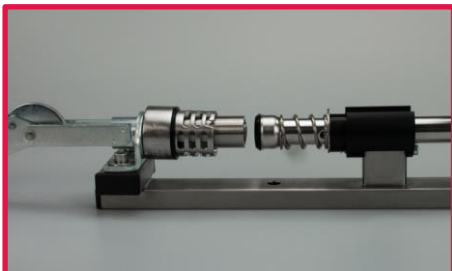
1. Put the extractor tube in the tool. Make sure that the three pins of the tool fit into the three holes in the bottom of the extractor tube.



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°.



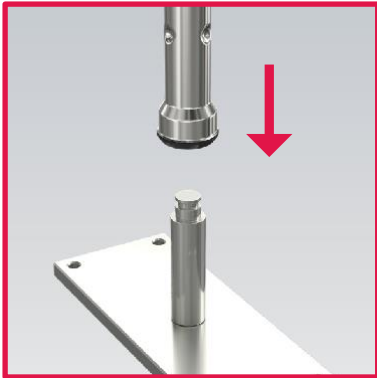
4. Push the handle backward. Take the subassembly out. Take the body off.



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

DISASSEMBLING INSTRUCTION

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B



1. Press the tube with the seal onto the disassembling tool and press the ball inwards.



2. Pull the tube in a lateral direction until the seal is released from the tube.

The seal must be replaced after this process!



3. The ball and spring can now be removed from the tube.

ASSEMBLING INSTRUCTION

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B

5. Assembling instruction

ET-W D



ET-W DB



ET-W B



ASSEMBLING INSTRUCTION

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B



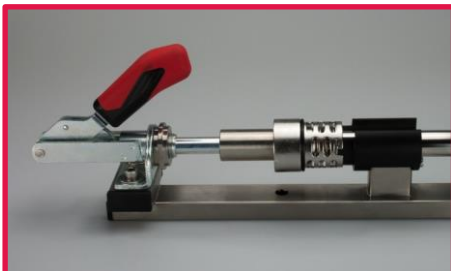
1. Replace the sealing ring on the body and the main seal. Assemble all parts.



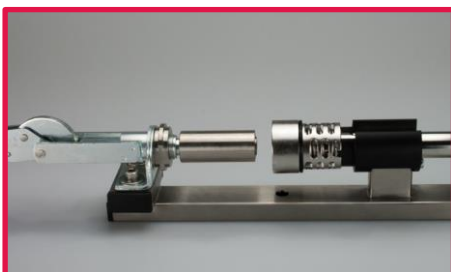
2. Connect the body to the Assembling Tool. Put the subassembly in the Tool. Push the safety latch slightly inwards.



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-W D / ET-W DB / ET-W B

6. Tool List

ET-W D



ET-W DB



ET-W B



TOOLS

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B



1. Decompression tool:

ET-W DB: part number: 910570

ET-W B: part number: 910570

ET-W D: part number: 910570



2. Tool for retaining ring removal:

ET-W DB: part number 910546

ET-W B: part number: 910546



3. Assembling/Disassembling tool:

ET-W DB: part number: 910544

ET-W B: part number: 910544

ET-W D: part number: 910544

TOOLS

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B



5. Disassembling tool:

ET-W DB: part number: 910548

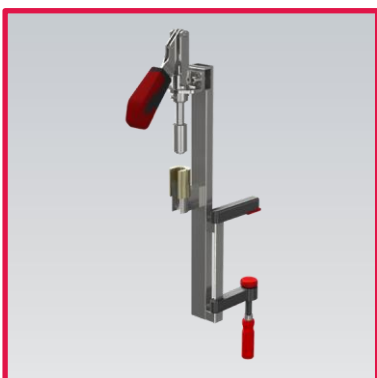
ET-W B: part number: 910548

ET-W D: part number: 910547



6. Tool for retaining ring removal (Standard screwdriver):

ET-W D: part number: 027468.1



7. Assembling/Disassembling tool:

ET-W DB: part number: 910549

ET-W B: part number: 910549

ET-W D: part number: 910551

TOOLS

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B



8. Disassembling tool CO₂ gasket :
part number: 910610



9. Assembling tool:
part number: 611899

TECHNICAL INFORMATION

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B

7. Technical Information

ET-W D



ET-W DB



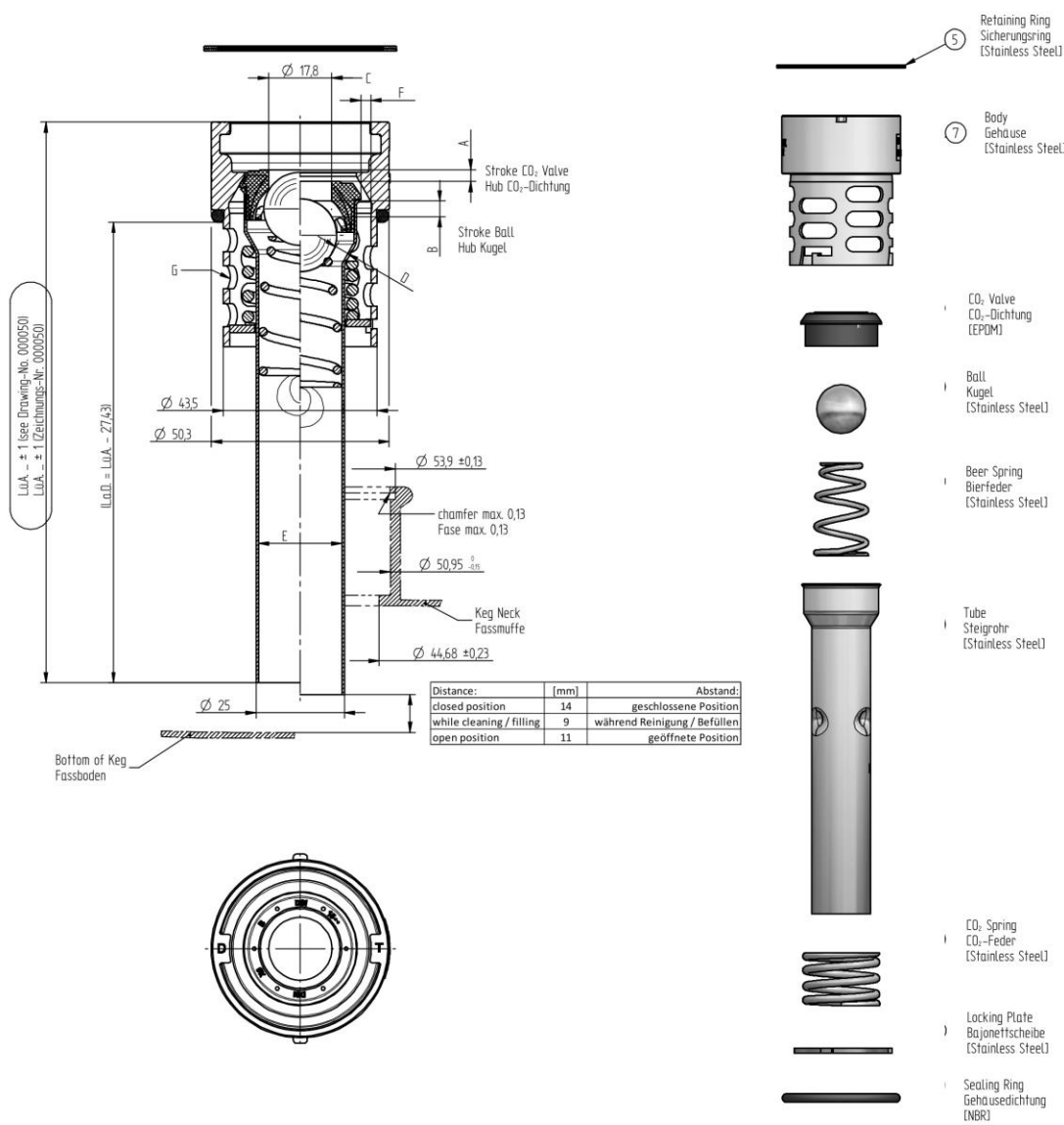
ET-W B



TECHNICAL INFORMATION

EXTRACTOR TUBE ET-W D

Product Information	Produktinformationen	Stroke and Passages	open Position	while Cleaning / Filling	Hub und Öffnungsquerschnitte	offene Position	während Reinigung / Befüllen
according to DIN 6650 and FDA regulations	Produkt nach DIN 6650 und FDA Bestimmungen	I CO ₂ valve + tube part 9 + part 1 - part 7	A 3 mm	4-6 mm	CO ₂ -Dichtung + Steigrohr Pos. 9 + Pos. 1 - Pos. 7	A 3 mm	4-6 mm
gesight	gesichtet	ball part 2 - part 9	B 4 mm	6,5-8 mm	Kugel Pos. 2 - Pos. 9	B 4 mm	6,5-8 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 9	C	250 mm ²	innerhalb der Dichtung Pos. 9	E	250 mm ²
mounting torque -	Anzugsdrehmoment -	through inner tube part 2 - part 1	D	280 mm ²	innerhalb des Steigrohres Pos. 2 - Pos. 1	D	280 mm ²
temperature resistance short-time 160°C	Temperaturbeständigkeit kurzfristig 160°C	through inner tube Ø236 part 1	E	440 mm ²	innerhalb des Steigrohres Ø236 Pos. 1	E	440 mm ²
for more information www.dsi-pensgroup.com	Für mehr Informationen www.dsi-pensgroup.com	through outer tube part 7 - part 9	F	330 mm ²	außerhalb des Steigrohres Pos. 7 - Pos. 9	F	330 mm ²
		in part 7	G	1660 mm ²	in Pos. 7	G	1660 mm ²



Pos.	Quantity	Art.-No.	Title
1	1	000041	Down Tube WD
2	1	0267036	Ball
3	1	0267058	CO ₂ Spring
4	1	0267080	O-Ring 40,87 x 3,53
5	1	0267091	Retaining Ring
6	1	5543527	Locking Plate
7	1	610342	Body WD
8	1	611056	Beer Spring
9	1	611060	CO ₂ Valve WD Blow-Off

weight calculation ± 5% / Gewichtsrechnung ± 5%

$$m [g] = (L \cdot \bar{u} \cdot A \cdot [\text{mm}] - 40) \cdot 0,419 \frac{g}{\text{mm}} + 300g$$

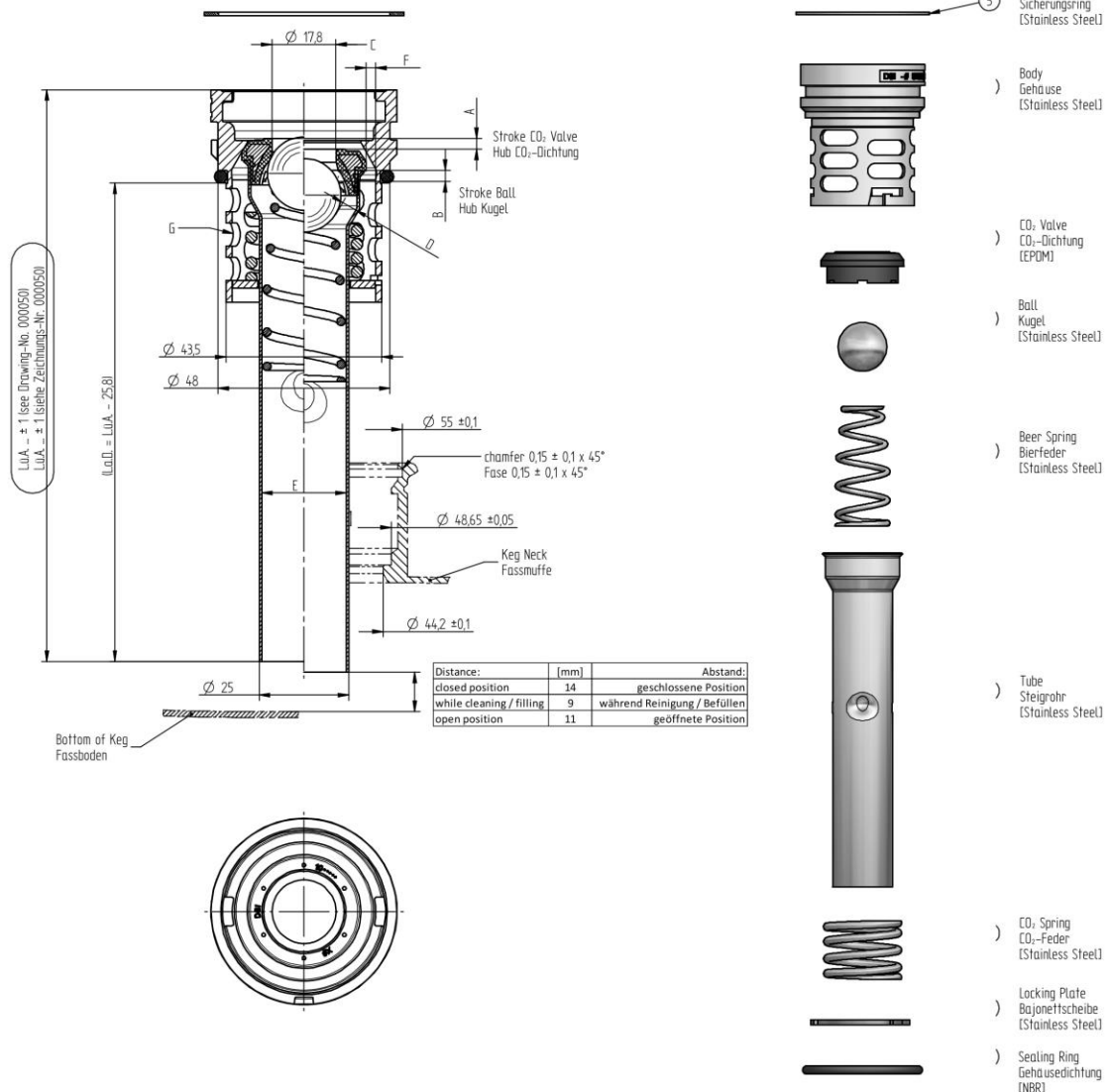
PRODUCT	W.D Standard - Blow Off	TOLERANCES (in µm, unless stated)	LAST CHANGE	SCALE: 1:21 (1:25)	WEIGHT VOLUME
		ROUGHNESS Ra 3,2	DATE	MATERIAL	
		FINISH Ra 0,8	DATE	TITLE	
		DATE	10.04.2015	issako	Master Extractor Tube W D
		DATE	12.03.2020	kunzbe	
		DATE	11.07.2023	kunzbe	
		DATE	12.03.2020	kunzbe	
CD	01.09.2010	10.03.2010	Kunzbe	4607	
C	01.09.2010	19.12.2017	Baumh	3919	
B	01.09.2010	15.08.2017	Kunzbe	3798	
A	01.09.2010	10.08.2016	Lank	3993	
ALTERATIONS	DATE	NAME	AW	PROD. DEV. GERMANY	REPL. BY: ...

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TECHNICAL INFORMATION

EXTRACTOR TUBE ET-W DB

EN	DE	EN	open Position	white Cleaning / Filling	DE	offene Position	während Reinigung / Befüllen		
Product Information	Produktinformationen	Stroke and Passages			Hub und Öffnungsquerschnitte				
according to DIN 6650 and FDA regulations	Produkt nach DIN 6650 und FDA Bestimmungen	I CO ₂ valve + tube part 8 + part 1 - part 4	A	3 mm	4-6 mm	CO ₂ -Dichtung + Steigrohr Pos. 8 + Pos. 1 - Pos. 4	A	3 mm	4-6 mm
gaslight	gasdicht	ball part 9 - part 8	B	4 mm	6,5-8 mm	Kugel Pos. 9 - Pos. 8	B	4 mm	6,5-8 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	II inside the seal part 8	C	250 mm²		innerhalb der Dichtung Pos. 8	C	250 mm²	
mounting torque -	Anzugsdrehmoment -	through inner tube part 9 - part 1	D	280 mm²	160-200 mm²	innerhalb des Steigrohres Pos. 9 - Pos. 1	D	280 mm²	160-200 mm²
temperature resistance short-time 160°C	Temperaturbeständigkeit kurzfristig 160°C	through inner tube Ø23.6 part 1	E	440 mm²		innerhalb des Steigrohres Ø23.6 Pos. 1	E	440 mm²	
for more information www.dispensegroup.com	für mehr Informationen www.dispensegroup.com	III through outer tube part 4 - part 8	F	330 mm²		außerhalb des Steigrohres Pos. 4 - Pos. 8	F	330 mm²	
		in part 4	G	1660 mm²		in Pos. 4	G	1660 mm²	



Pos.	Quantity	Art.-No.	Title
1	1	000047	Down Tube CUB
2	1	026705.8	Spring, CO ₂
3	1	026708.0	O-Ring 40,87 x 3,53
4	1	026842.2	Body WB
5	1	026993.1	Retaining Ring
6	1	554352.7	Locking Plate
7	1	610488	Valve Spring
8	1	610504	CO ₂ Valve WD
9	1	611186	Ball

weight calculation ± 5% / Gewichtsberechnung ± 5%

$$m [g] = (L \cdot \dot{u}. A [mm] - 40) \cdot 0,419 \frac{g}{mm} + 290g$$

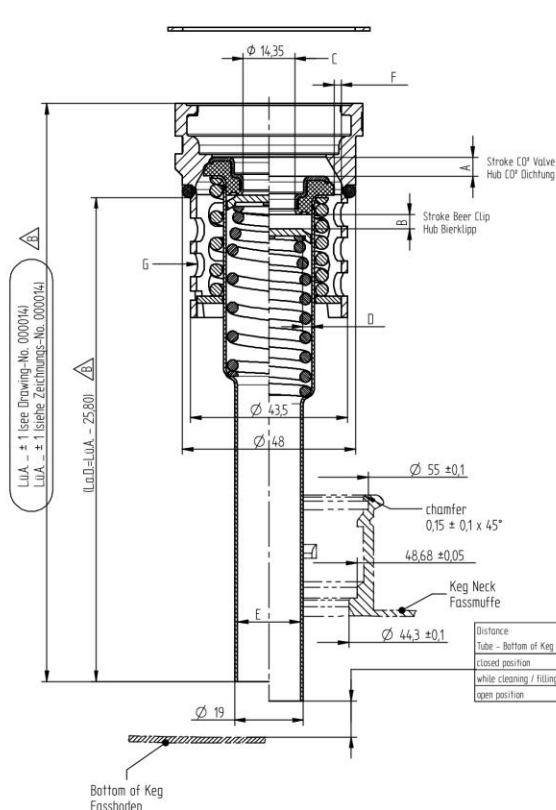
PRODUCT	TOLERANCES	LAST CHANGE	SCALE: 1:21 (1:25)	WEIGHT
Ozeanien	13.04.2015	3024		VOLUME
	12.03.2020			
	05.09.2016			
TITLE		MATERIAL		
Master Extractor Tube W DB				
DRAWING NUMBER		DRAWING NUMBER		
000049		000049		
ALTERATIONS		REPL. -		
DATE		REPL. BY -		

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TECHNICAL INFORMATION

EXTRACTOR TUBE ET-W B

EN	DE	EN	open Position	while Cleaning/Filling	DE	offene Position	während Reinigung/Befüllen		
Product Information	Produktinformationen	Stroke and Passages			Hub und Öffnungsquerschnitte				
according to DIN 6650 and FDA regulations	Produkt nach DIN 6650 und FDA Bestimmungen	I CO ₂ valve + tube part 4 + part 1 - part 6	A	3mm	4-6 mm	CO ₂ Dichtung + Steigrohr Pos. 4 + Pos. 1 - Pos. 6	A	3mm	4-6 mm
gaslight	gasdicht	beer clip part 2 - part 4	B	4 mm	6,5-8 mm	Bierklipp Pos. 2 - Pos. 4	B	4 mm	6,5-8 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	through the CO ₂ valve part 4	C		160 mm ²	innerhalb der CO ₂ -Dichtung Pos. 4	C		160 mm ²
mounting torque -	Anzugsdrehmoment -	through inner tube part 2 - part 1	D		125 mm ²	innerhalb des Steigrohres Pos. 2 - Pos. 1	D		125 mm ²
temperature resistance short-time 135°C	Temperaturbeständigkeit kurzfristig 135°C	through inner tube Ø17,6 part 1	E		240 mm ²	innerhalb des Steigrohres Ø17,6 Pos. 1	E		240 mm ²
for more information www.dispensegroup.com	für mehr Informationen www.dispensegroup.com	through outer tube part 6 - part 4	F		240 mm ²	außerhalb des Steigrohres Pos. 6 - Pos. 4	F		240 mm ²
		in part 6	G		1660 mm ²	in Pos. 6	G		1660 mm ²



Distance	Tube - Bottom of Keg	[mm]	Abstand	Rohr - Fassboden
closed position		16	geschlossene Position	
while cleaning / filling		9	während Reinigung / Befüllen	
open position		11	geöffnete Position	

- 7 Retaining Ring
Sicherheitsring
(Stainless Steel)
- 3 Body
Gehäuse
(Stainless Steel)
- 3 CO₂ Valve
CO₂-Dichtung
(EPDM)
- 3 Beer Clip
Bierklipp
(Stainless Steel)
- 3 Beer Spring
Bierfeder
(Stainless Steel)
- 1 Tube
Steigrohr
(Stainless Steel)
- 3 CO₂ Spring
CO₂-Feder
(Stainless Steel)
- 3 Locking Plate
Bajonetscheibe
(Stainless Steel)
- 3 Sealing Ring
Gehäusedichtung
(NBR)

weight calculation ± 5% / Gewichtsberechnung ± 5%

$$m [g] = (L. \ddot{u}. A. [mm] - 80) \cdot 0,315 \frac{g}{mm} + 285g$$

Pos.	Quantity	Art.-No.	Title
1	1	000037	Master Down Tube S Lange Tulpe
2	1	0262372	Beer Valve
3	1	0262383	Beer Spring
4	1	0266926	CO ₂ Valve Assy
5	1	026708.0	O-Ring 40,87 x 3,53
6	1	0268422	Body WB
7	1	0269931	Retaining Ring
8	1	554352.7	Locking Plate
9	1	555226.1	CO Spring

PRODUCT	REMARKS	LAST CHANGE	SCALE	WEIGHT
	PROLOGNESS MATERIAL	2 x Δ	15 : 1 (1 : 125 : 1)	VOLUME
TITLE				
Master Extractor Tube W B				
DRAWING NUMBER				
000039				
SHEET				
1				

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CONNECTIONS

EXTRACTOR TUBE ET-W D / ET-W DB / ET-W B

8. Connections

ET-W-D



ET-W-DB

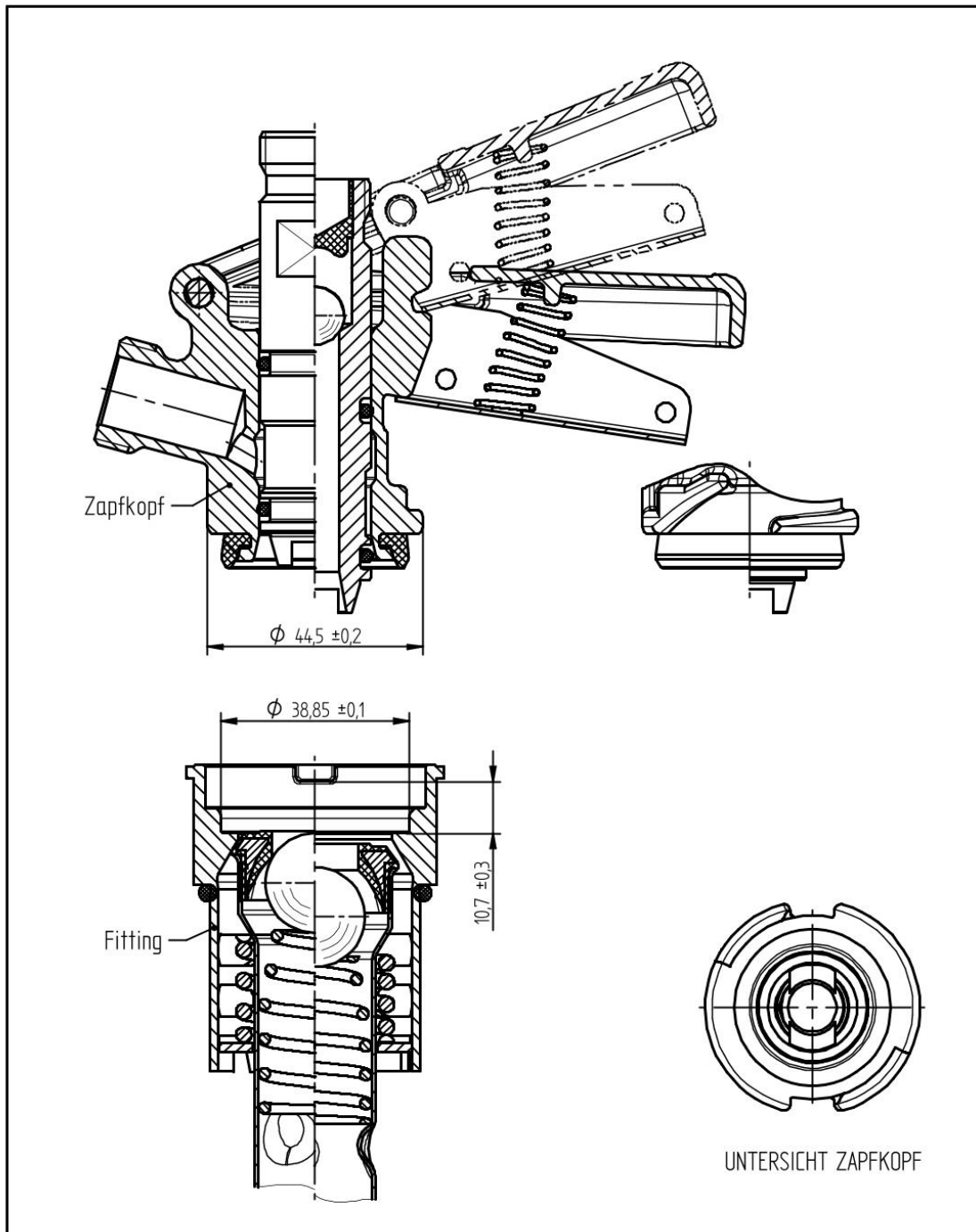


ET-W-B





CONNECTIONS

EXTRACTOR TUBE ET-W D / ET-W DB

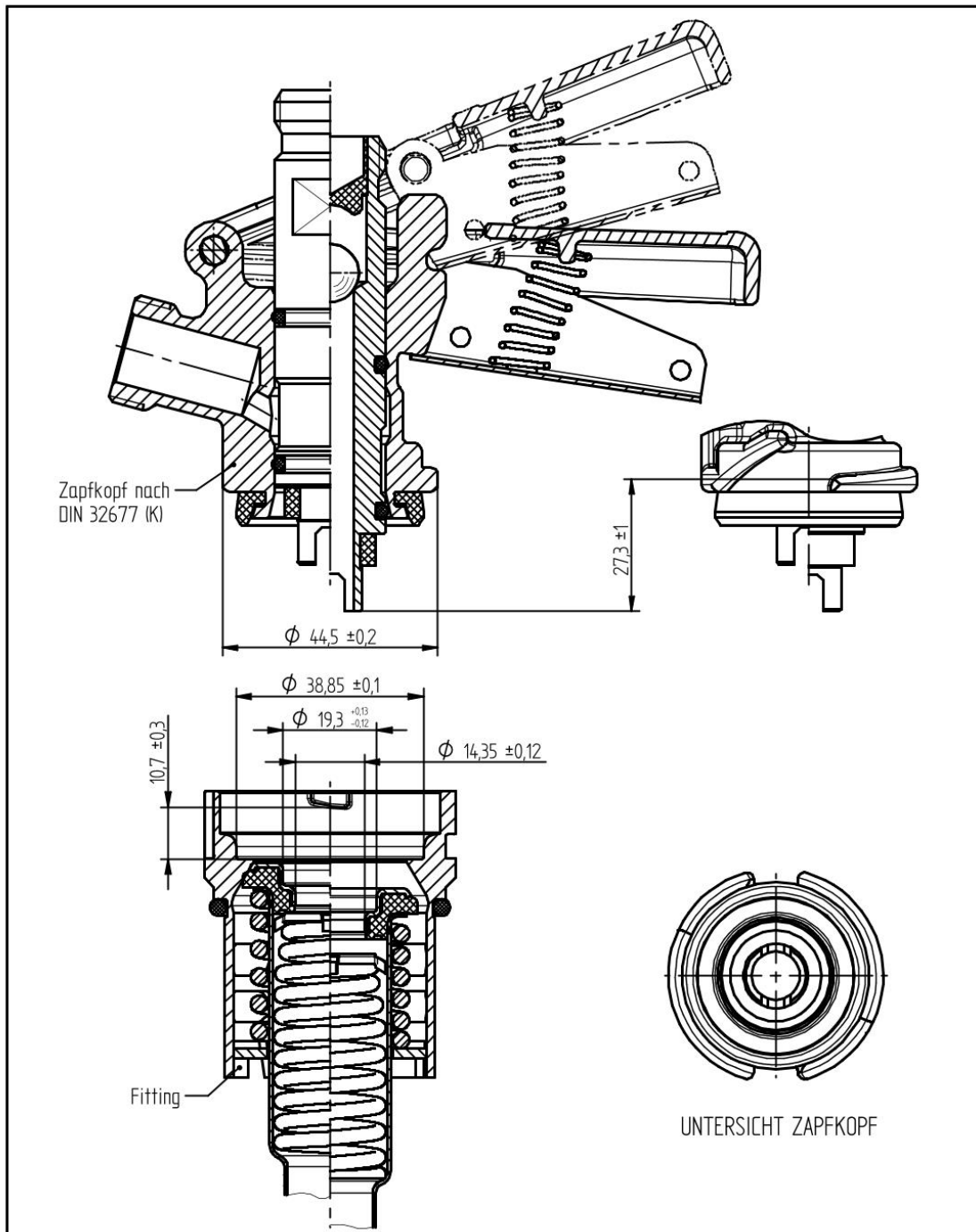


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
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		EDGES DIN EN ISO 13715		DATE		TITLE			
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				AM 4427					
				2D 24.03.2020 kunze		FILE NAME: ET W D bettligt - für D185714.asm			
				3D 15.02.2013 kunze		DRAWING NAME: D185714 Draft Type Connection System.dft			
						PROJ. METHOD		SHEET	
								A4	
				PROD. DEV. GERMANY		DRAWING NUMBER		2 SHTS.	
				REPL. -		185714		REPL. BY -	
ALTERATIONS		DATE		NAME		AM			

CONNECTIONS

EXTRACTOR TUBE ET-W B



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PRODUCT		TOLERANCES DIN ISO 2768-mH		LAST CHANGE		SCALE		WEIGHT VOLUME	
		ROUGHNESS DIN EN ISO 1302		- X Δ		MATERIAL			
		EDGES DIN EN ISO 13715				TITLE			
		DESIGN		DATE		NAME		FILE NAME: ET-W B bestlg für 194777.asm	
		AM		19.02.2013		kunze		DRAWING NAME: 910425 Connection System W B.dtt	
		2D		14.04.2020		kunze			
		3D		14.04.2020		kunze			
						PROJ. METHOD FORMAT DRAWING NUMBER A4 910425		SHEET 2 2 SHTS.	
ALTERATIONS		DATE		NAME		ÄM		PROD. DEV. GERMANY REPL. - REPL. BY -	

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