

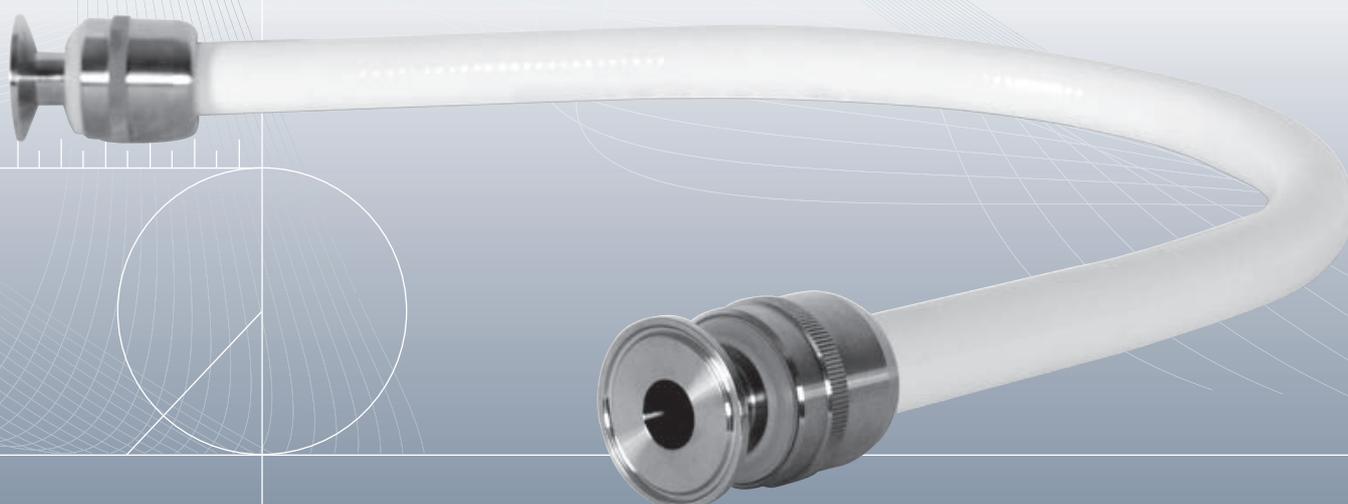


**CONNECTORS**

Connecting technology for Pharma & Biotech.

## **CONNLOCK<sup>®</sup>**

Re-usable Hose Connections for  
Silicone & Ultra-Cor PFA Hoses



# Perfect Connections

CONNLOCK® – suitable Hose Connection for the Connectors STHT-R, STHT-W and U-COR hoses

CONNLOCK® is an absolutely high-quality, reusable hose connection, which was developed for highest requirements of the pharmaceutical and biochemical industry. CONNLOCK® is available with weld-on ends, Tri-Clamp ends or other fittings in the norms ISO, DIN and BS/ASME BPE. They are also available in the norms ISO, DIN and BS. CONNLOCK's only component that is in touch with the pharmaceutical media is the hose barb which is entirely made of 1.4435 BN2 stainless steel material. The compression unit is made of an autoclavable PVDF material and allows to adjust to different wall thicknesses of the silicone hoses.

## Why CONNLOCK® Hose Connection?

- Developed and patented by Connectors.
- Hose connection is effectively re-usable.
- Tolerance reconciliation by flexible PVDF collet possible. Permits the usage of different hose walls.
- PVDF collet is bolted with steel and prevents a thread blocking. A clear advantage compared to screw connections with steel components.
- PVDF collet works isolating. Especially with regard to steam sterilizations the PVDF isolation is a competitive advantage.
- Connection can be assembled manually. No tools required.
- No needs of lubricant.
- Entire connection unit no matter if opened or closed is autoclavable.
- All CONNLOCK® connections are supplied with material certificates.
- Lasermarking on all components!

## Short assembly instruction\* for CONNLOCK® Hose Connection



### Step 1

Take apart the nut and push the hose through it. Push the nipple into the hose until it touches the edge of the PVDF-sleeve. Do not use any lubricant!

### Step 2

Screw the nut onto the PVDF-sleeve. Tighten the nut with your hands only to prevent the sleeve from being tightened too much. Do not use any tools to mount the nut!

### Step 3

After having mounted the complete Tri-Clamp connection the nut can be tightened by hand once more. Do not tighten too much. Otherwise the sleeve may be damaged.

\*Full assembly instruction for CONNLOCK® hose connection on request available.

Assembly video available on our [website](#) or on [Connectors You Tube channel](#).

# CONNLOCK® – MR-DN Hose Connection with Tri-Clamp ends



<b>Product group:</b>	Hose Connections
<b>Description:</b>	CONNLOCK® – MR-DN Hose Connection
<b>Valid standards:</b>	Tri-Clamp according to DIN 32676
<b>Material:</b>	Hose Barb: Strn.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088 Union Nut: Strn.-W. 1.4301, Collet: autoclavable PVDF
<b>Permissible sterilization temperature:</b>	150°C
<b>Version / Surface quality:</b>	Surface, internal: bright finish Ra < 0.4 µm (ID ≤ 9.5 mm = Ra, internal < 0.6 µm, ID ≤ 6.0 mm = Ra, internal < 0.8 µm). Surface external: bright finish
<b>Pipe-Hygiene Classes:</b>	H 3 / H 4 acc. DIN 11866
<b>Marking:</b>	Size, material number, melt number, manufacturer code
<b>Certificates:</b>	Certificate acc. EN 10204-3.1
<b>Option:</b>	Electropolishing
<b>Remarks:</b>	Technical contents are subject to change

CONNLOCK® - MRDN Hose Connection joint / hose type								
Hose Connection joints with Tri-Clamp ends								
Hose Connection Type	TC-Size	Item No. for Hose Connection	Standard TC / Pipe sizes	Hose Type			Hose ID	
According to DIN 11850								
MR-DN	DIN 6	TC 25.0	261.025.106	acc. DIN 11866 Row A	STHT-R 250			6.4
MR-DN	DIN 6	TC 50.5	261.050.106	acc. DIN 11866 Row A	STHT-R 250			6.4
According to ISO 1127								
MR-DN	ISO 8	TC 25.0	261.025.108.375	acc. DIN 11866 Row B	STHT-R 375			9.5
MR-DN	ISO 8	TC 50.5	261.050.108.375	acc. DIN 11866 Row B	STHT-R 375			9.5
MR-DN	ISO 8	TC 25.0	261.025.108	acc. DIN 11866 Row B	STHT-R 375HW			9.5
MR-DN	ISO 8	TC 50.5	261.050.108	acc. DIN 11866 Row B	STHT-R 375HW			9.5
MR-DN	ISO 10	TC 25.0	261.025.110.500	acc. DIN 11866 Row B	STHT-R 500	STHT-W 500	U-Cor 08	12.7
MR-DN	ISO 10	TC 50.5	261.050.110	acc. DIN 11866 Row B	STHT-R 500	STHT-W 500	U-Cor 08	12.7
MR-DN	ISO 15	TC 50.5	261.050.115	acc. DIN 11866 Row B	STHT-R 750	STHT-W 750	U-Cor 12	19.1
MR-DN	ISO 20	TC 50.5	261.050.120	acc. DIN 11866 Row B	STHT-R 1000	STHT-W 1000	U-Cor 16	25.4
MR-DN	ISO 25	TC 50.5	261.050.125	acc. DIN 11866 Row B	STHT-R 1250	STHT-W 1250	U-Cor 20	31.8
MR-DN	ISO 32	TC 64.0	261.064.132	acc. DIN 11866 Row B		STHT-W 1500	U-Cor 24	38.1
MR-DN	ISO 40	TC 64.0	261.064.140	acc. DIN 11866 Row B		STHT-W 2000	U-Cor 32	50.8
MR-DN	ISO 50	TC 77.5	261.077.150	acc. DIN 11866 Row B		STHT-W 2500		63.5
MR-DN	ISO 65	TC 91.0	261.091.165	acc. DIN 11866 Row B		STHT-W 3000		76.2
According to ASME BPE 2009								
MR-DN	1/4"	TC 25.0	261.025.204	acc. DIN 11866 Row C	STHT-R 250			6.4
MR-DN	3/8"	TC 25.0	261.025.009	acc. DIN 11866 Row C	STHT-R 375			9.5
MR-DN	1/2"	TC 25.0	261.025.212.500	acc. DIN 11866 Row C	STHT-R 500	STHT-W 500	U-Cor 08	12.7
MR-DN	5/8"	TC 25.0	261.025.258	acc. DIN 11866 Row C	STHT-R 625			15.9
MR-DN	5/8"	TC 50.5	261.050.258	acc. DIN 11866 Row C	STHT-R 625			15.9
MR-DN	3/4"	TC 25.0	261.025.219	acc. DIN 11866 Row C	STHT-R 750	STHT-W 750	U-Cor 12	19.1
MR-DN	1"	TC 50.5	261.050.225	acc. DIN 11866 Row C	STHT-R 1000	STHT-W 1000	U-Cor 16	25.4
MR-DN	1 1/2"	TC 50.5	261.050.238	acc. DIN 11866 Row C		STHT-W 1500	U-Cor 24	38.1
MR-DN	2"	TC 64.0	261.064.247	acc. DIN 11866 Row C		STHT-W 2000	U-Cor 32	50.8
MR-DN	2 1/2"	TC 77.5	261.077.603	acc. DIN 11866 Row C		STHT-W 2500		63.5
MR-DN	3"	TC 91.0	261.091.165	acc. DIN 11866 Row C		STHT-W 3000		76.2

All lengths in millimeters (if not specified differently).

# CONNLOCK® – MR-DN Hose Connection with weld-on ends



<b>Product group:</b>	Hose Connections
<b>Description:</b>	CONNLOCK® – MR-DN Hose Connection
<b>Valid standards:</b>	Pipe connection acc. DIN 11866 Series C (ASME BPE 2009) / *non standard
<b>Material:</b>	Hose Barb: Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088 Union Nut: Stnr.-W. 1.4301, Collet: autoclavable PVDF
<b>Permissible sterilization temperature:</b>	150°C
<b>Version / Surface quality:</b>	Surface, internal: bright finish Ra < 0.4 µm (ID ≤ 9.5 mm = Ra, internal < 0.6 µm, ID ≤ 6.0 mm = Ra, internal < 0.8 µm) Surface external bright finish
<b>Pipe-Hygiene Classes:</b>	H 3 / H 4 acc. DIN 11866
<b>Marking:</b>	Size, material number, melt number, manufacturer code
<b>Certificates:</b>	Certificate acc. EN 10204-3.1
<b>Option:</b>	Electropolishing
<b>Remarks:</b>	Technical contents are subject to change

CONNLOCK® - MR-DN Hose Connection joint / hose type							
Hose connection joint with welded end							
Hose Connection Type	Item No. for Hose Connection	Standard Pipe Connection	Hose Type			Hose ID	
According to ISO 1127							
MR-DN	ISO 6	261.100.006 .ISO	acc. DIN 11866 Row B	STHT-R 250			6.4
MR-DN	ISO 8	261.100.008.375	acc. DIN 11866 Row B	STHT-R 375			9.5
MR-DN	ISO 8	261.100.008	acc. DIN 11866 Row B	STHT-R 375HW			9.5
MR-DN	ISO 8	261.100.008 .500	acc. DIN 11866 Row B		STHT-W 500		12.7
MR-DN	ISO 10	261.100.010	acc. DIN 11866 Row B	STHT-R 500	STHT-W 500	U-Cor 08	12.7
MR-DN	ISO 15	261.100.015	acc. DIN 11866 Row B	STHT-R 750	STHT-W 750	U-Cor 12	19.1
MR-DN	ISO 20	261.100.020	acc. DIN 11866 Row B	STHT-R 1000	STHT-W 1000	U-Cor 16	25.4
MR-DN	ISO 25	261.100.025	acc. DIN 11866 Row B	STHT-R 1250	STHT-W 1250	U-Cor 20	31.8
MR-DN	ISO 32	261.100.032	acc. DIN 11866 Row B		STHT-W 1500	U-Cor 24	38.1
MR-DN	ISO 40	261.100.040	acc. DIN 11866 Row B		STHT-W 2000	U-Cor 32	50.8
MR-DN	ISO 50	261.100.050	acc. DIN 11866 Row B		STHT-W 2500		63.5
MR-DN	ISO 65	261.100.076	acc. DIN 11866 Row B		STHT-W 3000		76.2
According to DIN 11850							
MR-DN	DIN 6	261.100.006.DIN	acc. DIN 11866 Row A	STHT-R 250			6.4
MR-DN	DIN 8	261.100.008.DIN	acc. DIN 11866 Row A	STHT-R 375HW			9.5
MR-DN	DIN 10	261.100.010.DIN	acc. DIN 11866 Row A	STHT-R 500	STHT-W 500	U-Cor 08	12.7
MR-DN	DIN 15	261.100.015.DIN	acc. DIN 11866 Row A	STHT-R 750	STHT-W 750	U-Cor 12	19.1
MR-DN	DIN 20	261.100.020.DIN	acc. DIN 11866 Row A	STHT-R 1000	STHT-W 1000	U-Cor 16	25.4
MR-DN	DIN 25	261.100.025.DIN	acc. DIN 11866 Row A	STHT-R 1000	STHT-W 1000	U-Cor 16	25.4
MR-DN	DIN 32	261.100.032.DIN	acc. DIN 11866 Row A		STHT-W 1250	U-Cor 20	31.8
MR-DN	DIN 40	261.100.040.DIN	acc. DIN 11866 Row A		STHT-W 1500	U-Cor 24	38.1
MR-DN	DIN 50	261.100.050.DIN	acc. DIN 11866 Row A		STHT-W 2000	U-Cor 32	50.8
According to ASME BPE 2009							
MR-DN	1/4"	261.100.006	acc. DIN 11866 Row C	STHT-R 250			6.4
MR-DN	3/8"	261.100.009	acc. DIN 11866 Row C	STHT-R 375			9.5
MR-DN	1/2"	261.100.012	acc. DIN 11866 Row C	STHT-R 500	STHT-W 500	U-Cor 08	12.7
MR-DN	3/4"	261.100.019	acc. DIN 11866 Row C	STHT-R 750	STHT-W 750	U-Cor 12	19.1
MR-DN	1"	261.100.026	acc. DIN 11866 Row C	STHT-R 1000	STHT-W 1000	U-Cor 16	25.4
MR-DN	1 1/2"	261.100.038	acc. DIN 11866 Row C		STHT-W 1500	U-Cor 24	38.1
MR-DN	2"	261.100.051	acc. DIN 11866 Row C		STHT-W 2000	U-Cor 32	50.8
MR-DN	2 1/2"	261.100.063	acc. DIN 11866 Row C		STHT-W 2500		63.5
MR-DN	3"	261.100.076	acc. DIN 11866 Row C		STHT-W 3000		76.2

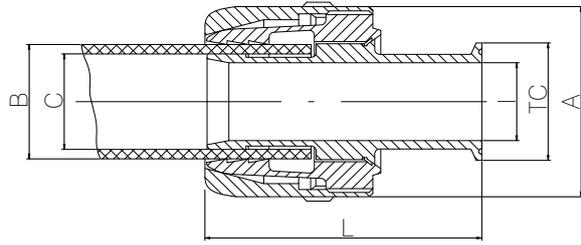
All lengths in millimeters (if not specified differently).

## CONNLOCK® – MR-DN Hose Connection with Tri-Clamp ends



**Remark:**

With the use of customized hoses there is following to consider:  
Pressure ratings are based on the resistance of the hoses.

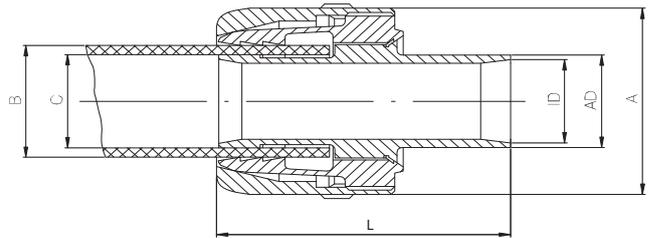


## CONNLOCK® – MR-DN Hose Connection with weld-on ends

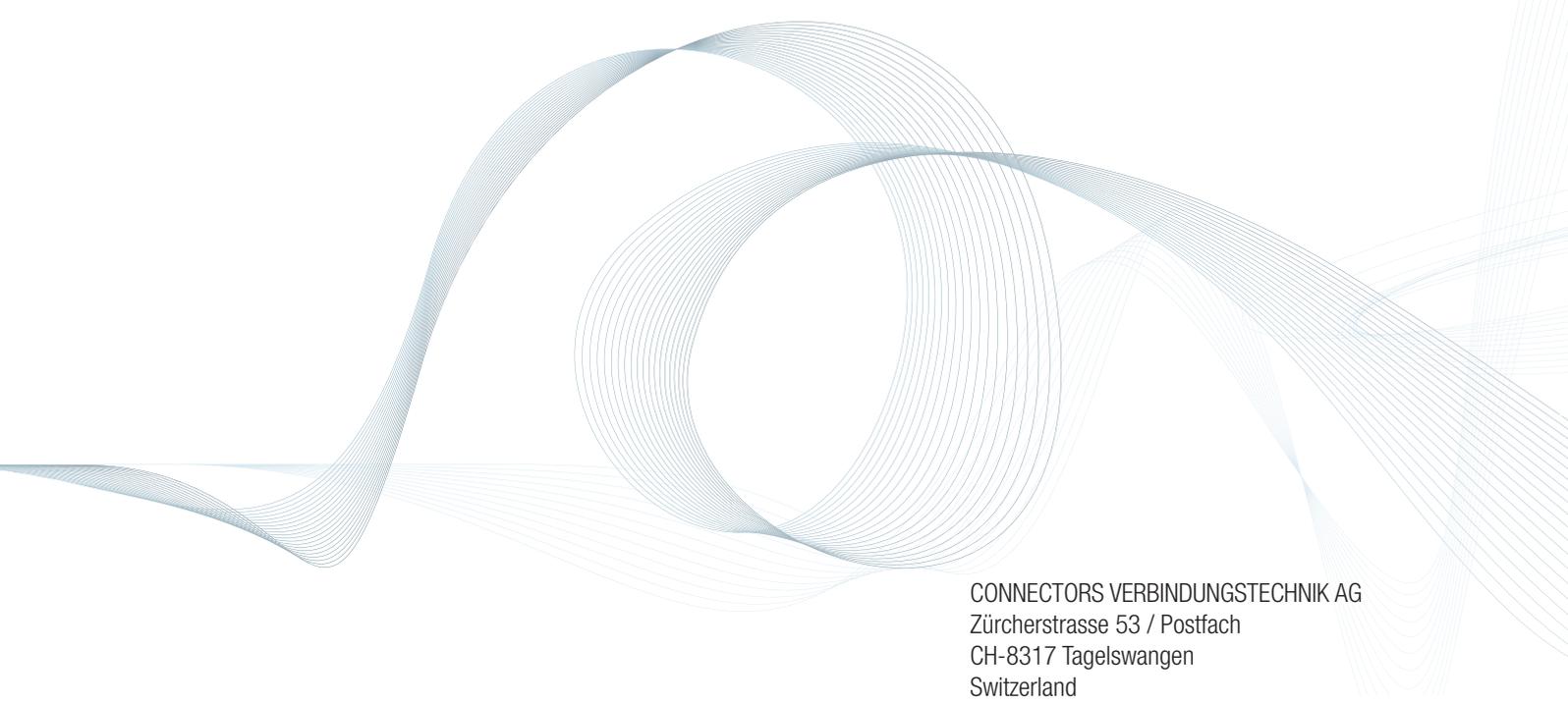


**Remark:**

With the use of customized hoses there is following to consider:  
Pressure ratings are based on the resistance of the hoses.



Also further ends and customizations are possible



CONNECTORS VERBINDUNGSTECHNIK AG  
Zürcherstrasse 53 / Postfach  
CH-8317 Tagelswangen  
Switzerland

Tel. +41(0)52 354 68 68  
Fax +41(0)52 354 68 60