



**CONNECTORS**

## ASEPTIC-O-RING UNIONS

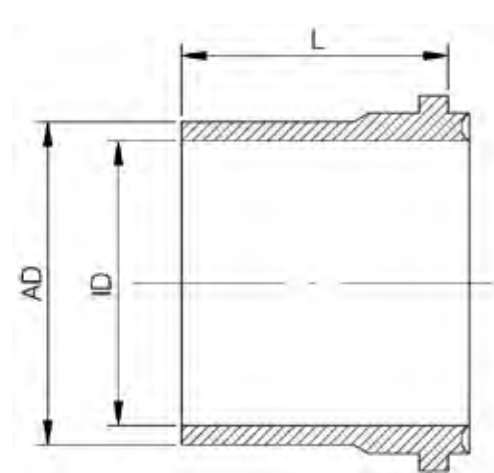
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# Female Union

<b>Product group:</b>	Aseptic-O-Ring Unions
<b>Description:</b>	Female Union
<b>Valid standards:</b>	CONNECTORS-Standard with pipe connection acc. DIN 11866 Series A (DIN11850) / Series B (ISO 1127)
<b>Material:</b>	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088
<b>Permissible sterilization temperature:</b>	150°C
<b>Version / Surface quality:</b>	Surface external bright finish Surface, internal: Ra < 0.4 µm
<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

Dimensions for Female Union					
Sizes	AD	ID	L	Item No.	
acc. ISO 1127					
ISO DN 8	8	13.5	10.3	28.0	247.000.008
ISO DN 10	10	17.2	14.0	29.0	247.000.010
ISO DN 15	15	21.3	18.1	29.0	247.000.015
ISO DN 20	20	26.9	23.7	29.0	247.000.020
ISO DN 25	25	33.7	29.7	30.0	247.000.025
ISO DN 32	32	42.4	38.4	32.0	247.000.032
ISO DN 40	40	48.3	44.3	32.0	247.000.040
ISO DN 50	50	60.3	56.3	32.0	247.000.050
acc. DIN 11850					
DIN 4	4	6.0	4.0	28.0	247.000.004.DIN
DIN 6	6	8.0	6.0	28.0	247.000.006.DIN
DIN 8	8	10.0	8.0	28.0	247.000.008.DIN
DIN 10	10	12.0	10.0	28.0	247.000.010.DIN



## ASEPTIC-O-RING UNIONS

# Union Nut

<b>Product group:</b>	Aseptic O-Ring Unions
<b>Description:</b>	Union Nut
<b>Valid standards:</b>	CONNECTORS-Standard
<b>Material:</b>	Stnr.-W. 1.4301 acc. EN 10088
<b>Permissible sterilization temperature:</b>	150°C
<b>Form:</b>	Up to ISO DN 15: Hexagonnut, from ISO DN 20: Union-Nut
<b>Version / Surface quality:</b>	Surface external bright finish
<b>Marking:</b>	On request: Lasermarking
<b>Certificates:</b>	On request: Certificate of acceptance acc. EN 10204-2.2
<b>Option:</b>	Electropolishing
<b>Remarks:</b>	Technical contents are subject to change

Dimensions for Union Nut					
Sizes	GEW	SW / AD	Item-No.		
acc. CONNECTORS-Standard / in accordance with ISO DN					
ISO DN 8	M 22 x 1.5	SW 27.0	245.000.008		
ISO DN 10	M 26 x 1.5	SW 32.0	245.000.010		
ISO DN 15	M 30 x 2.0	SW 36.0	245.000.015		
ISO DN 20	M 36 x 2.0	AD 48.0	245.000.020		
ISO DN 25	M 42 x 2.0	AD 52.0	245.000.025		
ISO DN 32	M 52 x 2.0	AD 62.0	245.000.032		
ISO DN 40	M 56 x 2.0	AD 65.0	245.000.040		
ISO DN 50	M 68 x 2.0	AD 80.0	245.000.050		
acc. CONNECTORS Standard / in accordance with DIN					
DIN 4	M 16 x 1.5	SW 19.0	245.000.004.DIN		
DIN 6	M 16 x 1.5	SW 19.0	245.000.006.DIN		
DIN 8	M 18 x 1.5	SW 22.0	245.000.008.DIN		
DIN 10	M 22 x 1.5	SW 27.0	245.000.010.DIN		

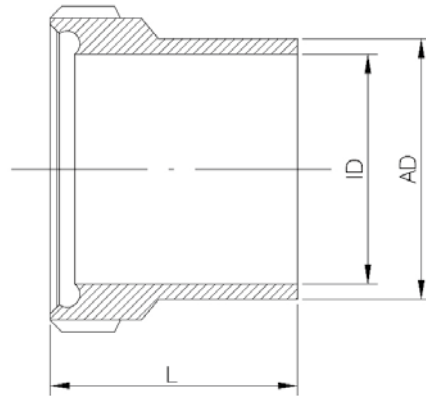
*All lengths in millimeters (if not specified differently).*

## ASEPTIC-O-RING UNIONS

# Male Union

<b>Product group:</b>	Aseptic-O-Ring Unions
<b>Description:</b>	Male Union
<b>Valid standards:</b>	CONNECTORS-Standard with pipe connection acc. DIN 11866 Series A (DIN11850) / Series B (ISO 1127)
<b>Material:</b>	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088
<b>Permissible sterilization temperature:</b>	150°C
<b>Version / Surface quality:</b>	Surface external Ra < 0.8 µm Surface, internal: Ra < 0.4 µm
<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

Dimensions for Male Union					
Sizes	A	ID	L	Item No.	
acc. ISO 1127					
ISO DN 8	8	13.5	10.3	32.0	246.000.008
ISO DN 10	10	17.2	14.0	31.0	246.000.010
ISO DN 15	15	21.3	18.1	32.0	246.000.015
ISO DN 20	20	26.9	23.7	30.0	246.000.020
ISO DN 25	25	33.7	29.7	32.0	246.000.025
ISO DN 32	32	42.4	38.4	34.0	246.000.032
ISO DN 40	40	48.3	44.3	34.0	246.000.040
ISO DN 50	50	60.3	56.3	34.0	246.000.050
acc. DIN 11850					
DIN 4	4	6.0	4.0	31.0	246.000.004.DIN
DIN 6	6	8.0	6.0	31.0	246.000.006.DIN
DIN 8	8	10.0	8.0	31.0	246.000.008.DIN
DIN 10	10	12.0	10.0	31.0	246.000.010.DIN



## ASEPTIC-O-RING UNIONS

# O-Ring

<b>Product group:</b>	Aseptic-O-Ring Unions
<b>Description:</b>	O-Ring
<b>Valid standards:</b>	CONNECTORS-Standard
<b>Material:</b>	See table below
<b>Permissible sterilization temperature:</b>	EPDM: 132°C (150°C for a short time) Silicone, Viton®, Teflon® and Silkoflon (PTFE): 150°C
<b>Version / Surface quality:</b>	CONNECTORS Standard
<b>Marking:</b>	-
<b>Certificates:</b>	FDA Certificate
<b>Option:</b>	Further dimensions available on request.
<b>Remarks:</b>	Technical contents are subject to change Viton® and Teflon® are registered trademarks of DuPont Dow Elastomers

Item-Numbers for O-Ring						
Sizes	EPDM	Silicone	Viton®	Teflon® PTFE	Silkoflon (FEP/MVQ)	
acc. ISO 1127	Item No.	Item No.	Item No.	Item No.	Item No.	
ISO DN 8	248.000.008	248.001.008	248.002.008	248.003.008	248.004.008	
ISO DN 10	248.000.010	248.001.010	248.002.010	248.003.010	248.004.010	
ISO DN 15	248.000.015	248.001.015	248.002.015	248.003.015	248.004.015	
ISO DN 20	248.000.020	248.001.020	248.002.020	248.003.020	248.004.020	
ISO DN 25	248.000.025	248.001.025	248.002.025	248.003.025	248.004.025	
ISO DN 32	248.000.032	248.001.032	248.002.032	248.003.032	248.004.032	
ISO DN 40	248.000.040	248.001.040	248.002.040	248.003.040	248.004.040	
ISO DN 50	248.000.050	248.001.050	248.002.050	248.003.050	248.004.050	
acc. DIN 11850	Item No.	Item No.	Item No.	Item No.	Item-Number	
DIN 4	248.000.004.DIN	248.001.004.DIN	248.002.004.DIN	248.003.004.DIN	248.004.004.DIN	
DIN 6	248.000.006.DIN	248.001.006.DIN	248.002.006.DIN	248.003.006.DIN	248.004.006.DIN	
DIN 8	248.000.008.DIN	248.001.008.DIN	248.002.008.DIN	248.003.008.DIN	248.004.008.DIN	
DIN 10	248.000.010.DIN	248.001.010.DIN	248.002.010.DIN	248.003.010.DIN	248.004.010.DIN	

Material resistance: see chapter Tri-Clamp Connections (Page 29)

*All lengths in millimeters (if not specified differently).*

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Catalogue Sterile Components Version CS004, Printed 07/2014, Version 2. More information: [www.connectors.ch](http://www.connectors.ch) or email: [info@connectors.ch](mailto:info@connectors.ch)

# Reduced Female Union

<b>Product group:</b>	Aseptic O-Ring Unions
<b>Description:</b>	Reduced Female Union
<b>Valid standards:</b>	CONNECTORS-Standard with pipe connection acc. DIN 11866 Series A (DIN11850) / Series B (ISO 1127) *non standard
<b>Material:</b>	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088
<b>Permissible sterilization temperature:</b>	150°C
<b>Version / Surface quality:</b>	Surface external Ra < 0.8 µm Surface, internal: Ra < 0.4 µm
<b>Pipe-Hygiene Classes:</b>	H 3 / H 4 acc. DIN 11866
<b>Marking:</b>	Size, material number, melt number, manufacturer code, Manufacturer's Logo
<b>Certificates:</b>	Certificate acc. EN 10204-3.1
<b>Option:</b>	Electropolishing.
<b>Remarks:</b>	Technical contents are subject to change

Dimensions for Reduced Female Union							
Sizes	AD	ID	id	L	Item No.		
acc. ISO 1127							
DN 10 - DN 8	13.5	10.3	14.0	30.9	247.002.010		
DN 15 - DN 10	17.2	14.0	18.1	31.1	247.002.015		
DN 20 - DN 15	21.3	18.1	23.7	29.0	247.002.020		
DN 25 - DN 20	26.9	23.7	29.7	32.4	247.002.025		
DN 32 - DN 25	33.7	29.7	38.4	35.3	247.002.032		
DN 40 - DN 32	42.4	38.4	44.3	31.9	247.002.040		
DN 50 - DN 40	48.3	44.3	56.3	33.0	247.002.050		
acc. DIN 11850							
DIN 6 - DIN 4	6.0	4.0	6.0	29.0	247.002.006.DIN		
DIN 8 - DIN 6	8.0	6.0	8.0	29.0	247.002.008.DIN		
DIN 10 - DIN 8	10.0	8.0	10.0	29.0	247.002.010.DIN		
*DN 8 - DIN 8	10.0	8.0	10.3	29.8	247.002.008		

## ASEPTIC-O-RING UNIONS

# Reduced Male Union

<b>Product group:</b>	Aseptic-O-Ring Unions
<b>Description:</b>	Reduced Male Union
<b>Valid standards:</b>	CONNECTORS-Standard with pipe connection acc. DIN 11866 Series A (DIN11850) / Series B (ISO 1127) *non standard
<b>Material:</b>	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088
<b>Permissible sterilization temperature:</b>	150°C
<b>Version / Surface quality:</b>	Surface external Ra < 0.8 µm Surface, internal: Ra < 0.4 µm
<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

Dimensions for Reduced Male Union							
Sizes	AD	ID	id	L	Item No.		
acc. ISO 1127							
DN 10 - DN 8	13.5	10.3	14.0	33.0	246.002.010		
DN 15 - DN 10	17.2	14.0	18.1	34.0	246.002.015		
DN 20 - DN 15	21.3	18.1	23.7	32.0	246.002.020		
DN 25 - DN 20	26.9	23.7	29.7	34.4	246.002.025		
DN 32 - DN 25	33.7	29.7	38.4	37.4	246.002.032		
DN 40 - DN 32	42.4	38.4	44.3	36.0	246.002.040		
DN 50 - DN 40	48.3	44.3	56.3	39.0	246.002.050		
acc. DIN 11850							
DIN 6 - DIN 4	6.0	4.0	6.0	32.0	246.002.006.DIN		
DIN 8 - DIN 6	8.0	6.0	8.0	32.0	246.002.008.DIN		
DIN 10 - DIN 8	10.0	8.0	10.0	32.0	246.002.010.DIN		
*DN 8 - DIN 8	10.0	8.0	10.3	34.0	246.002.008		

*All lengths in millimeters (if not specified differently).*

# Female Cap

<b>Product group:</b>	Aseptic-O-Ring Unions
<b>Description:</b>	Female Cap
<b>Valid standards:</b>	CONNECTORS-Standard with pipe connection acc. DIN 11866 Series A (DIN11850) / Series B (ISO 1127)
<b>Material:</b>	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088
<b>Permissible sterilization temperature:</b>	150°C
<b>Version / Surface quality:</b>	Surface external Ra < 0.8 µm Surface, internal: Ra < 0.4 µm
<b>Pipe-Hygiene Classes:</b>	H 3 / H 4 acc. DIN 11866
<b>Marking:</b>	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

Dimensions for Female Cap					
Sizes	L	D	Item No.		
acc. ISO 1127					
DN 8	12.0	15.1	247.001.008	<p>The drawing shows a cross-section of a female cap. Dimension 'L' is the length of the cap, and dimension 'D' is the outer diameter. The cap has a hexagonal-like shape with chamfered edges and a central hole.</p>	
DN 10	14.0	19.9	247.001.010		
DN 15	14.0	23.9	247.001.015		
DN 20	14.0	29.4	247.001.020		
DN 25	14.0	35.6	247.001.025		
DN 32	17.0	44.2	247.001.032		
DN 40	17.0	50.2	247.001.040		
DN 50	17.0	61.2	247.001.050		
acc. DIN 11850					
DIN 4	12.0	7.9	247.001.004.DIN		
DIN 6	12.0	10.9	247.001.006.DIN		
DIN 8	12.0	12.9	247.001.008.DIN		
DIN 10	12.0	14.9	247.001.010.DIN		



## ASEPTIC-O-RING UNIONS

# Male Cap

<b>Product group:</b>	Aseptic-O-Ring Unions
<b>Description:</b>	Male Cap
<b>Valid standards:</b>	CONNECTORS-Standard with pipe connection acc. DIN 11866 Series A (DIN11850) / Series B (ISO 1127)
<b>Material:</b>	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088
<b>Permissible sterilization temperature:</b>	150°C
<b>Version / Surface quality:</b>	Surface external Ra < 0.8 µm Surface, internal: Ra < 0.4 µm
<b>Pipe-Hygiene Classes:</b>	H 3 / H 4 acc. DIN 11866
<b>Marking:</b>	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

Dimensions for Male Cap					
Size	A	L	Item No.		
acc. ISO 1127					
DN 8	M 22 x 1.5	13.0	246.001.008		
DN 10	M 26 x 1.5	14.0	246.001.010		
DN 15	M 30 x 2.0	15.0	246.001.015		
DN 20	M 36 x 2.0	15.0	246.001.020		
DN 25	M 42 x 2.0	15.0	246.001.025		
DN 32	M 52 x 2.0	16.0	246.001.032		
DN 40	M 56 x 2.0	16.0	246.001.040		
DN 50	M 68 x 2.0	18.0	246.001.050		
acc. DIN 11850					
DIN 4	M 16 x 1.5	12.0	246.001.004.DIN		
DIN 6	M 16 x 1.5	12.0	246.001.006.DIN		
DIN 8	M 18 x 1.5	12.0	246.001.008.DIN		
DIN 10	M 22 x 1.5	12.0	246.001.010.DIN		

*All lengths in millimeters (if not specified differently).*