

ASEPTIC-O-RING UNIONS

Female Union

Product group:	Aseptic-O-Ring Unions
Description:	Female Union
Valid standards:	CONNECTORS-Standard with pipe connection acc. DIN 11866 Series A (DIN11850) / Series B (ISO 1127)
Material:	Strn.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088
Sterilization temperature:	150°C
Type of execution / Surface quality:	Surface external: bright finish Surface Interior: Ra < 0.4 µm
Pipe-Hygiene Classes:	H 3 / H 4 acc. DIN 11866
Marking:	Size, Material number, Heat number, Manufacturer code
Certificates:	Certificate acc. EN 10204-3.1
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Female Union						
Sizes	AD	ID	L	Item-Number		
acc. ISO 1127						
ISO DN 8	13.5	10.3	28.0	247.000.008		
ISO DN 10	17.2	14.0	29.0	247.000.010		
ISO DN 15	21.3	18.1	29.0	247.000.015		
ISO DN 20	26.9	23.7	29.0	247.000.020		
ISO DN 25	33.7	29.7	30.0	247.000.025		
ISO DN 32	42.4	38.4	32.0	247.000.032		
ISO DN 40	48.3	44.3	32.0	247.000.040		
ISO DN 50	60.3	56.3	32.0	247.000.050		
acc. DIN 11850						
DIN 4	6.0	4.0	28.0	247.000.004.DIN		
DIN 6	8.0	6.0	28.0	247.000.006.DIN		
DIN 8	10.0	8.0	28.0	247.000.008.DIN		
DIN 10	12.0	10.0	28.0	247.000.010.DIN		

All lengths in millimeters (if not specified differently).

ASEPTIC-O-RING UNIONS

Union Nut

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

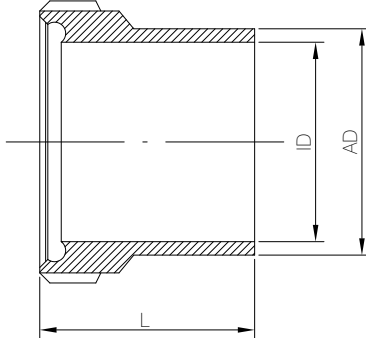
Dimensions for Union Nut					
Sizes	GEW	SW / AD	Item-Number		
acc. CONNECTORS-Standard / in accordance with ISO DN					
ISO DN 8	M 22 x 1.5	SW 27.0	245.000.008		
ISO DN 10	M 26 x 1.5	SW 32.0	245.000.010		
ISO DN 15	M 30 x 2.0	SW 36.0	245.000.015		
ISO DN 20	M 36 x 2.0	AD 48.0	245.000.020		
ISO DN 25	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

Product group:	Aseptic-O-Ring Unions
Description:	Male Union
Valid standards:	CONNECTORS-Standard with pipe connection acc. DIN 11866 Series A (DIN11850) / Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088
Sterilization temperature:	150°C
Type of execution / Surface quality:	Surface external: Ra < 0.8 µm Surface Interior: Ra < 0.4 µm
Pipe-Hygiene Classes:	H 3 / H 4 acc. DIN 11866
Marking:	Size, Material number, Heat number, Manufacturer code
Certificates:	Certificate acc. EN 10204-3.1
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Male Union						
Sizes	A	ID	L	Item-Number		
acc. ISO 1127						
ISO DN 8	13.5	10.3	32.0	246.000.008		
ISO DN 10	17.2	14.0	31.0	246.000.010		
ISO DN 15	21.3	18.1	32.0	246.000.015		
ISO DN 20	26.9	23.7	30.0	246.000.020		
ISO DN 25	33.7	29.7	32.0	246.000.025		
ISO DN 32	42.4	38.4	34.0	246.000.032		
ISO DN 40	48.3	44.3	34.0	246.000.040		
ISO DN 50	60.3	56.3	34.0	246.000.050		
acc. DIN 11850						
DIN 4	6.0	4.0	31.0	246.000.004.DIN		
DIN 6	8.0	6.0	31.0	246.000.006.DIN		
DIN 8	10.0	8.0	31.0	246.000.008.DIN		
DIN 10	12.0	10.0	31.0	246.000.010.DIN		

All lengths in millimeters (if not specified differently).

ASEPTIC-O-RING UNIONS

O-Ring

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

Item-Numbers for O-Ring						
Sizes	EPDM	Silikon	Viton®	Teflon® PTFE	Silkoflon (FEP/MVQ)	
acc. ISO 1127	Item-Number	Item-Number	Item-Number	Item-Number	Item-Number	
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-Number	Item-Number	Item-Number	Item-Number	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).

Connectors Verbindungstechnik AG, Zürcherstrasse 53, CH-8317 Tagelswangen, Phone: +41 (0)52 354 68 68, Telefax: +41 (0)52 354 68 60
Catalogue Sterile Components Version CS004, Printed 05/2013, more information: www.connectors.ch or email: info@connectors.ch

ASEPTIC-O-RING UNIONS

Reduced Female Union

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

Dimensions for Reduced Female Union							
Sizes	AD	ID	id	L	Item-Number		
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		

All lengths in millimeters (if not specified differently).

ASEPTIC-O-RING UNIONS

Reduced Male Union

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

Dimensions for Reduced Male Union							
Sizes	AD	ID	id	L	Item-Number		
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).

ASEPTIC-O-RING UNIONS

Female Cap

Product group:	Aseptic-O-Ring Unions
Description:	Female Cap
Valid standards:	CONNECTORS-Standard with pipe connection acc. DIN 11866 Series A (DIN11850) / Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088
Sterilization temperature:	150°C
Type of execution / Surface quality:	Surface external: Ra < 0.8 µm Surface Interior: Ra < 0.4 µm
Pipe-Hygiene Classes:	H 3 / H 4 acc. DIN 11866
Marking:	Material number, Heat number, Manufacturer code
Certificates:	Certificate acc. EN 10204-3.1
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Female Cap					
Sizes	L	D	Item-Number		
acc. ISO 1127					
DN 8	12.0	15.1	247.001.008	<p>The drawing shows a cross-section of a female cap. It is a cylindrical component with a flange on one end. Dimension 'L' is the length of the main body, and dimension 'D' is the outer diameter of the flange.</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		

All lengths in millimeters (if not specified differently).

ASEPTIC-O-RING UNIONS

Male Cap

Product group:	Aseptic-O-Ring Unions
Description:	Male Cap
Valid standards:	CONNECTORS-Standard with pipe connection acc. DIN 11866 Series A (DIN11850) / Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088
Sterilization temperature:	150°C
Type of execution / Surface quality:	Surface external: Ra < 0.8 µm Surface Interior: Ra < 0.4 µm
Pipe-Hygiene Classes:	H 3 / H 4 acc. DIN 11866
Marking:	Material number, Heat number, Manufacturer code
Certificates:	Certificate acc. EN 10204-3.1
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Male Cap					
Size	A	L	Item-Number		
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).