

PIPE CONNECTIONS ACC. DIN 11864 / FORM A

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Aseptic-Screw-Connections acc. DIN 11864-1

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic-Screw-Connections acc. DIN 11864-1 incl. O-ring
Valid standards:	DIN 11864-1 with weld-on end acc. DIN 11866, Series B (ISO 1127) Nut acc. DIN 11851
Material:	Stnr.-W. 1.4435 BN2 & 1.4301 (Fe < 0.5%) acc. EN 10088-1 EPDM Ethylene-Propylene-Diene rubber
Version / Surface quality:	Right-angled weld-on ends for orbital-welding Ra, internal < 0.4 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B, FDA-Certificate, Certificate acc. EN 10204-2.2
Option:	Electropolishing
Remarks:	*All pressures can be used up to 140°C when using suitable elastomers. Technical contents are subject to change

Dimensions for Aseptic-Screw-Connections acc. DIN 11864-1							
Sizes	A	AD	ID	L	O-Ring	*Max pressure resistance	Item No.
DIN 11864-1 with weld-on ends acc. DIN 11866, Reihe B (ISO 1127)							
ISO DN 8	38.0	13.5	10.3	76.0	EPDM	40 bar	222.010.008
ISO DN 10	44.0	17.2	14.0	76.0	EPDM	40 bar	222.010.010
ISO DN 15	54.0	21.3	18.1	78.0	EPDM	40 bar	222.010.015
ISO DN 20	63.0	26.9	23.7	78.0	EPDM	40 bar	222.010.020
ISO DN 25	70.0	33.7	29.7	88.0	EPDM	40 bar	222.010.025
ISO DN 32	78.0	42.4	38.4	88.0	EPDM	25 bar	222.010.032
ISO DN 40	92.0	48.3	44.3	90.0	EPDM	25 bar	222.010.040
ISO DN 50	112.0	60.3	56.3	114.0	EPDM	25 bar	222.010.050
ISO DN 65	127.0	76.1	72.1	117.0	EPDM	25 bar	222.010.065
ISO DN 80	148.0	88.9	84.3	122.0	EPDM	25 bar	222.010.080

Aseptic-Male Union acc. DIN 11864-1

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic Male union acc. DIN 11864-1
Valid standards:	DIN 11864-1 with weld-on end acc. DIN 11866, Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Right-angled weld-on ends for orbital-welding Ra, internal < 0.4 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Aseptic Male Union acc. DIN 11864-1 / Form A						
Sizes	Threading	AD	ID	L	Item No.	
DIN 11864-1 with weld-on ends acc. DIN 11866, Series B (ISO 1127)						
ISO DN	8	RD 28 x 1/8"	13.5	10.3	41.0	222.011.008
ISO DN	10	RD 34 x 1/8"	17.2	14.0	41.0	222.011.010
ISO DN	15	RD 44 x 1/6"	21.3	18.1	43.0	222.011.015
ISO DN	20	RD 52 x 1/6"	26.9	23.7	43.0	222.011.020
ISO DN	25	RD 58 x 1/6"	33.7	29.7	48.0	222.011.025
ISO DN	32	RD 65 x 1/6"	42.4	38.4	48.0	222.011.032
ISO DN	40	RD 78 x 1/6"	48.3	44.3	49.0	222.011.040
ISO DN	50	RD 95 x 1/6"	60.3	56.3	60.0	222.011.050
ISO DN	65	RD 110 x 1/4"	76.1	72.1	64.0	222.011.065
ISO DN	80	RD 130 x 1/4"	88.9	84.3	64.0	222.011.080

The technical drawing shows a cross-section of the aseptic male union. It is a T-shaped component with a central bore. The dimensions are labeled as follows: $\varnothing AD$ for the outer diameter of the main body, $\varnothing ID$ for the inner diameter of the bore, L for the total length of the component, and $\varnothing Gewinde$ for the diameter of the threaded section on the right side.

All lengths in millimeters (if not specified differently).

Aseptic-Female Union acc. DIN 11864-1

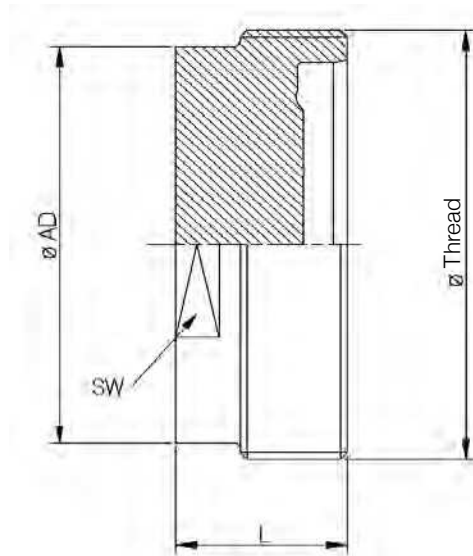
Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic Female union acc. DIN 11864-1
Valid standards:	DIN 11864-1 with weld-on end acc. DIN 11866, Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Right-angled weld-on ends for orbital-welding Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Aseptic Female Union acc. DIN 11864-1 / Form A						
Sizes	A	AD	ID	L	Item No.	
DIN 11864-1 with weld-on ends acc. DIN 11866, Series B (ISO 1127)						
ISO DN 8	21.9	13.5	10.3	39.0	222.012.008	
ISO DN 10	27.9	17.2	14.0	39.0	222.012.010	
ISO DN 15	35.9	21.3	18.1	40.0	222.012.015	
ISO DN 20	42.9	26.9	23.7	41.0	222.012.020	
ISO DN 25	48.9	33.7	29.7	47.0	222.012.025	
ISO DN 32	54.9	42.4	38.4	47.0	222.012.032	
ISO DN 40	66.9	48.3	44.3	48.0	222.012.040	
ISO DN 50	84.9	60.3	56.3	62.0	222.012.050	
ISO DN 65	98.9	76.1	72.1	61.0	222.012.065	
ISO DN 80	118.9	88.9	84.3	68.0	222.012.080	

Aseptic-Blind-Male Union acc. DIN 11864-1

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic-Blind-Male union acc. DIN 11864-1
Valid standards:	DIN 11864-1 for pipe connection acc. DIN 11866, Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Aseptic Blind-Male Union acc. DIN 11864-1 / Form A						
Sizes	Threading	AD	SW	L	Item No.	
DIN 11864-1						
ISO DN 8	RD 28 x 1/8"	23.0	19.0	24.0	222.013.008	
ISO DN 10	RD 34 x 1/8"	28.0	24.0	24.0	222.013.010	
ISO DN 15	RD 44 x 1/6"	34.0	30.0	24.0	222.013.015	
ISO DN 20	RD 52 x 1/6"	44.0	41.0	24.0	222.013.020	
ISO DN 25	RD 58 x 1/6"	53.0	46.0	24.0	222.013.025	
ISO DN 32	RD 65 x 1/6"	58.0	50.0	24.0	222.013.032	
ISO DN 40	RD 78 x 1/6"	72.0	65.0	24.0	222.013.040	
ISO DN 50	RD 95 x 1/6"	87.0	80.0	28.0	222.013.050	
ISO DN 65	RD 110 x 1/4"	100.0	95.0	28.0	222.013.065	
ISO DN 80	RD 130 x 1/4"	120.0	115.0	30.0	222.013.080	

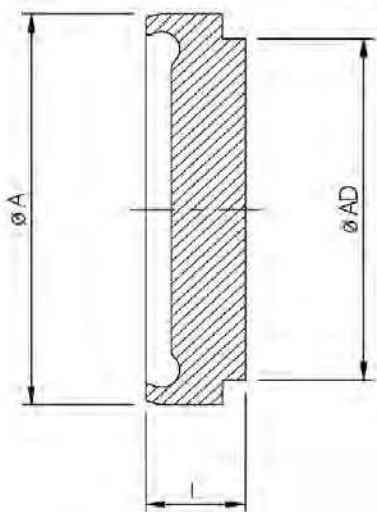


All lengths in millimeters (if not specified differently).

Aseptic-Blind-Female Union acc. DIN 11864-1

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic-Blind female union acc. DIN 11864-1
Valid standards:	DIN 11864-1 for pipe connection acc. DIN 11866 Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Aseptic-Blind-Female Union acc. DIN 11864-1 / Form A					
Sizes	A	AD	L	Item No.	
DIN 11864-1					
ISO DN	8	21.9	18.0	9.0	222.014.008
ISO DN	10	27.9	24.0	9.0	222.014.010
ISO DN	15	35.9	30.0	10.0	222.014.015
ISO DN	20	42.9	35.0	12.0	222.014.020
ISO DN	25	48.9	41.0	13.0	222.014.025
ISO DN	32	54.9	48.0	13.0	222.014.032
ISO DN	40	66.9	61.0	14.0	222.014.040
ISO DN	50	84.9	79.0	16.0	222.014.050
ISO DN	65	98.9	93.0	16.0	222.014.065
ISO DN	80	118.9	114.0	20.0	222.014.080

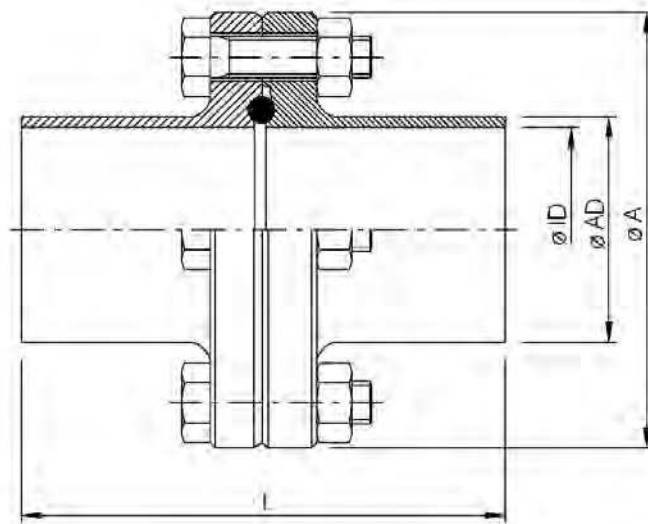


The technical drawing shows a cross-section of the Aseptic-Blind-Female Union. It is a cylindrical component with a central bore. The outer diameter is labeled as $\varnothing A$. The inner diameter of the bore is labeled as $\varnothing AD$. The length of the component is labeled as L . The drawing uses hatching to indicate the solid material of the component.

Aseptic-Flange-Connections acc. DIN 11864-2 Incl. O-Ring

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic-Flange-Connections acc. DIN 11864-2 incl. O-Ring
Valid standards:	DIN 11864-2 with weld-on end acc. DIN 11866, Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1 EPDM Ethylene-Propylene-Diene rubber
Version / Surface quality:	Right-angled weld-on ends for orbital-welding Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B, FDA-Certificate
Option:	Electropolishing
Remarks:	*All pressures can be used up to 140°C when using suitable elastomers. Torque rating for screws/nuts DN 8 to DN 50: 23 Nm DN 65 to DN 100: 46 Nm. Technical contents are subject to change

Dimensions for Aseptic-Flange-Connections acc. DIN 11864-2 / Form A									
Sizes	A	AD	ID	L	Screw Nut	O-Ring	*Max. pressure resistance	Item No.	
DIN 11864-2 with weld-on ends acc. DIN 11866, Series B (ISO 1127)									
ISO DN 8	54.0	13.5	10.3	80.0	4 x M8 x 30	EPDM	40 bar	222.020.008	
ISO DN 10	59.0	17.2	14.0	80.0	4 x M8 x 30	EPDM	40 bar	222.020.010	
ISO DN 15	62.0	21.3	18.1	80.0	4 x M8 x 30	EPDM	40 bar	222.020.015	
ISO DN 20	69.0	26.9	23.7	80.0	4 x M8 x 30	EPDM	40 bar	222.020.020	
ISO DN 25	74.0	33.7	29.7	90.0	4 x M8 x 30	EPDM	40 bar	222.020.025	
ISO DN 32	82.0	42.4	38.4	90.0	4 x M8 x 30	EPDM	25 bar	222.020.032	
ISO DN 40	88.0	48.3	44.3	90.0	4 x M8 x 30	EPDM	25 bar	222.020.040	
ISO DN 50	103.0	60.3	56.3	108.0	4 x M8 x 30	EPDM	25 bar	222.020.050	
ISO DN 65	125.0	76.1	72.1	112.0	8 x M10 x 30	EPDM	25 bar	222.020.065	
ISO DN 80	137.0	88.9	84.3	116.0	8 x M10 x 35	EPDM	25 bar	222.020.080	
ISO DN 100	168.0	114.3	109.7	116.0	8 x M10 x 35	EPDM	10 bar	222.020.100	



All lengths in millimeters (if not specified differently).

Aseptic-Flange with Groove acc. DIN 11864-2

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic-Flange with Groove acc. DIN 11864-2
Valid standards:	DIN 11864-2 with weld-on end acc. DIN 11866, Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Weld-on ends for orbital-welding Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Aseptic-Flange with Groove acc. DIN 11864-2 / Form A						
Sizes	A	AD	ID	L	S	Item No.
DIN 11864-2 with weld-on ends acc. DIN 11866, Series B (ISO 1127)						
ISO DN 8	54.0	13.5	10.3	41.5	37.0	222.021.008
ISO DN 10	59.0	17.2	14.0	41.5	42.0	222.021.010
ISO DN 15	62.0	21.3	18.1	41.5	45.0	222.021.015
ISO DN 20	69.0	26.9	23.7	41.5	52.0	222.021.020
ISO DN 25	74.0	33.7	29.7	46.5	57.0	222.021.025
ISO DN 32	82.0	42.4	38.4	46.5	65.0	222.021.032
ISO DN 40	88.0	48.3	44.3	46.5	71.0	222.021.040
ISO DN 50	103.0	60.3	56.3	55.5	85.0	222.021.050
ISO DN 65	125.0	76.1	72.1	57.5	104.0	222.021.065
ISO DN 80	137.0	88.9	84.3	59.5	116.0	222.021.080
ISO DN 100	168.0	114.3	109.7	59.5	146.0	222.021.100

Aseptic-Lapped Flange acc. DIN 11864-2

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic-Lapped Flange acc. DIN 11864-2
Valid standards:	DIN 11864-2 with pipe connection acc. DIN 11866, Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Right-angled weld-on ends for orbital-welding Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Aseptic-Lapped Flange acc. DIN 11864-2 / Form A							
Sizes	A	AD	ID	L	S	Item No.	
DIN 11864-2 with with pipe connection acc. DIN 11866, Series B (ISO 1127)							
ISO DN 8	8	54.0	13.5	10.3	40.0	37.0	222.022.008
ISO DN 10	10	59.0	17.2	14.0	40.0	42.0	222.022.010
ISO DN 15	15	62.0	21.3	18.1	40.0	45.0	222.022.015
ISO DN 20	20	69.0	26.9	23.7	40.0	52.0	222.022.020
ISO DN 25	25	74.0	33.7	29.7	45.0	57.0	222.022.025
ISO DN 32	32	82.0	42.4	38.4	45.0	65.0	222.022.032
ISO DN 40	40	88.0	48.3	44.3	45.0	71.0	222.022.040
ISO DN 50	50	103.0	60.3	56.3	54.0	85.0	222.022.050
ISO DN 65	65	125.0	76.1	72.1	56.0	104.0	222.022.065
ISO DN 80	80	137.0	88.9	84.3	58.0	116.0	222.022.080
ISO DN 100	100	168.0	114.3	109.7	58.0	146.0	222.022.100

Technical drawing of the Aseptic-Lapped Flange (Form A) showing dimensions:

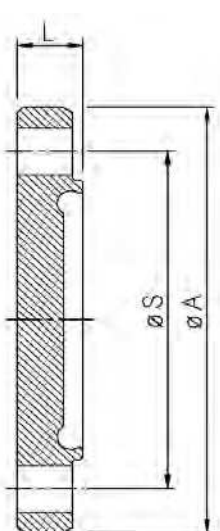
- L : Length of the flange
- A : Total height of the flange
- S : Height of the flange to the lapped joint
- ID : Inner diameter
- AD : Outer diameter

All lengths in millimeters (if not specified differently).

Aseptic-Blind-Flange with Groove acc. DIN 11864-2

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic Blind-Flange with Groove acc. DIN 11864-2
Valid standards:	DIN 11864-2 for pipe connection acc. DIN 11866 Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Right-angled weld-on ends for orbital-welding Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Aseptic-Blind Flange with Groove acc. DIN 11864-2					
Sizes	A	S	L	Item No.	
DIN 11864-2					
ISO DN 8	8	54.0	37.0	11.5	222.023.008
ISO DN 10	10	59.0	42.0	11.5	222.023.010
ISO DN 15	15	62.0	45.0	11.5	222.023.015
ISO DN 20	20	69.0	52.0	11.5	222.023.020
ISO DN 25	25	74.0	57.0	11.5	222.023.025
ISO DN 32	32	82.0	65.0	11.5	222.023.032
ISO DN 40	40	88.0	71.0	11.5	222.023.040
ISO DN 50	50	103.0	85.0	11.5	222.023.050
ISO DN 65	65	125.0	104.0	13.5	222.023.065
ISO DN 80	80	137.0	116.0	13.5	222.023.080
ISO DN 100	100	168.0	146.0	15.5	222.023.100



Aseptic-Blind Lapped Flange acc. DIN 11864-2

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic Blind-Lapped Flange acc. DIN 11864-2
Valid standards:	DIN 11864-2 for pipe connection acc. DIN 11866 Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Aseptic-Blind Lapped Flange acc. DIN 11864-2				
Sizes	A	S	L	Item No.
DIN 11864-2				
ISO DN 8	54.0	37.0	10.0	222.024.008
ISO DN 10	59.0	42.0	10.0	222.024.010
ISO DN 15	62.0	45.0	10.0	222.024.015
ISO DN 20	69.0	52.0	10.0	222.024.020
ISO DN 25	74.0	57.0	10.0	222.024.025
ISO DN 32	82.0	65.0	10.0	222.024.032
ISO DN 40	88.0	71.0	10.0	222.024.040
ISO DN 50	103.0	85.0	10.0	222.024.050
ISO DN 65	125.0	104.0	12.0	222.024.065
ISO DN 80	137.0	116.0	12.0	222.024.080
ISO DN 100	168.0	146.0	14.0	222.024.100

All lengths in millimeters (if not specified differently).

Aseptic-Clamp-Connections acc. DIN 11864-3

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic-Clamp-Connections acc. DIN 11864-3 incl. O-Ring
Valid standards:	DIN 11864-3 with pipe connection acc. DIN 11866, Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1 EPDM Ethylene-Propylene-Diene rubber
Version / Surface quality:	Right-angled weld-on ends for orbital-welding Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B, FDA-Certificate
Option:	Electropolishing
Remarks:	*All pressures can be used up to 140°C when using suitable elastomers. Torque rating Hexagon-Nut: 5 Nm Technical contents are subject to change

Dimensions for Aseptic-Clamp-Connections acc. DIN 11864-3 / Form A								
Sizes	A	AD	ID	KI	L	O-Ring	*Max. pressure resistance	Item No.
DIN 11864-3 with with pipe connection acc. DIN 11866, Series B (ISO 1127)								
ISO DN 8	34.0	13.5	10.3	70.0	76	EPDM	40 bar	222.030.008
ISO DN 10	34.0	17.2	14.0	70.0	76	EPDM	40 bar	222.030.010
ISO DN 15	34.0	21.3	18.1	70.0	78	EPDM	40 bar	222.030.015
ISO DN 20	50.5	26.9	23.7	90.0	78	EPDM	40 bar	222.030.020
ISO DN 25	50.5	33.7	29.7	90.0	88	EPDM	40 bar	222.030.025
ISO DN 32	64.0	42.4	38.4	106.0	88	EPDM	25 bar	222.030.032
ISO DN 40	64.0	48.3	44.3	106.0	90	EPDM	25 bar	222.030.040
ISO DN 50	91.0	60.3	56.3	135.0	114	EPDM	25 bar	222.030.050
ISO DN 65	106.0	76.1	72.1	149.0	117	EPDM	16 bar	222.030.065
ISO DN 80	119.0	88.9	84.3	162.0	122	EPDM	16 bar	222.030.080
ISO DN 100	144.4	114.3	109.7	210.0	130	EPDM	16 bar	222.030.100

Aseptic-Grooved Clamp acc. DIN 11864-3

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic-Grooved Clamp acc. DIN 11864-3
Valid standards:	DIN 11864-3 with pipe connection acc. DIN 11866, Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2(Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Right-angled weld-on ends for orbital-welding Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Aseptic-Grooved Clamp acc. DIN 11864-3 / Form A							
Sizes	A	AD	ID	L1	L2	Item No.	
DIN 11864-3 with pipe connection acc. DIN 11866, Series B (ISO 1127)							
ISO DN 8	34.0	13.5	10.3	26.0	39.5	222.031.008	
ISO DN 10	34.0	17.2	14.0	26.0	39.5	222.031.010	
ISO DN 15	34.0	21.3	18.1	26.0	40.5	222.031.015	
ISO DN 20	50.5	26.9	23.7	30.0	40.0	222.031.020	
ISO DN 25	50.5	33.7	29.7	30.0	45.5	222.031.025	
ISO DN 32	64.0	42.4	38.4	30.0	45.5	222.031.032	
ISO DN 40	64.0	48.3	44.3	30.0	46.5	222.031.040	
ISO DN 50	91.0	60.3	56.3	40.0	58.5	222.031.050	
ISO DN 65	106.0	76.1	72.1	40.0	60.0	222.031.065	
ISO DN 80	119.0	88.9	84.3	40.0	62.5	222.031.080	
ISO DN 100	144.4	114.3	109.7	40.0	66.5	222.031.100	

Technical drawing of the Aseptic-Grooved Clamp showing dimensions. The drawing is a cross-section of the clamp. It shows an outer diameter labeled $\varnothing AD$ and an inner diameter labeled $\varnothing ID$. The total height of the clamp is labeled $\varnothing A$. The length of the main body is labeled $L1$, and the length of the flange is labeled $L2$.

All lengths in millimeters (if not specified differently).

Aseptic-Lapped Clamp acc. DIN 11864-3

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic-Lapped Clamp acc. DIN 11864-3
Valid standards:	DIN 11864-3 with pipe connection acc. DIN 11866, Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Right-angled weld-on ends for orbital-welding Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

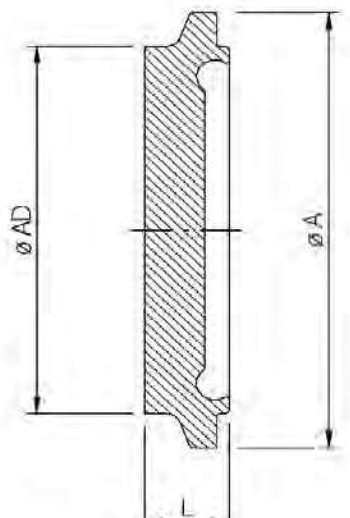
Dimensions for Aseptic-Lapped Clamp acc. DIN 11864-3 / Form A							
Sizes	A	AD	ID	L1	L2	Item No.	
DIN 11864-3 with pipe connection acc. DIN 11866, Series B (ISO 1127)							
DIN 11864-3	8	34.0	13.5	10.3	26.0	38.0	222.032.008
DIN 11864-3	10	34.0	17.2	14.0	26.0	38.0	222.032.010
DIN 11864-3	15	34.0	21.3	18.1	26.0	39.0	222.032.015
DIN 11864-3	20	50.5	26.9	23.7	30.0	39.0	222.032.020
DIN 11864-3	25	50.5	33.7	29.7	30.0	44.0	222.032.025
DIN 11864-3	32	64.0	42.4	38.4	30.0	44.0	222.032.032
DIN 11864-3	40	64.0	48.3	44.3	30.0	45.0	222.032.040
DIN 11864-3	50	91.0	60.3	56.3	40.0	57.0	222.032.050
DIN 11864-3	65	106.0	76.1	72.1	40.0	58.5	222.032.065
DIN 11864-3	80	119.0	88.9	84.3	40.0	61.0	222.032.080
DIN 11864-3	100	144.4	114.3	109.7	40.0	65.0	222.032.100

Technical drawing of the Aseptic-Lapped Clamp showing dimensions. The drawing is a cross-section of the clamp. It shows a central pipe with an outer diameter of 100 mm. The clamp has a total length of 100 mm. The inner diameter of the clamp is 80 mm. The outer diameter of the clamp is 119 mm. The length of the clamp is 119 mm. The length of the clamp is 119 mm. The length of the clamp is 119 mm.

Aseptic-Blind-Grooved Clamp acc. DIN 11864-3

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic-Blind-Grooved Clamp with groove acc. DIN 11864-3
Valid standards:	DIN 11864-3 for pipe connection acc. DIN 11866, Series B (ISO 1127)
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Aseptic-Blind-Grooved Clamp acc. DIN 11864-3				
Sizes	A	AD	L	Item No.
DIN 11864-3				
ISO DN 8	34.0	25.0	11.5	222.033.008
ISO DN 10	34.0	25.0	11.5	222.033.010
ISO DN 15	34.0	25.0	11.5	222.033.015
ISO DN 20	50.5	42.0	11.5	222.033.020
ISO DN 25	50.5	42.0	11.5	222.033.025
ISO DN 32	64.0	54.0	11.5	222.033.032
ISO DN 40	64.0	54.0	11.5	222.033.040
ISO DN 50	91.0	78.0	11.5	222.033.050
ISO DN 65	106.0	93.0	13.5	222.033.065
ISO DN 80	119.0	104.0	13.5	222.033.080
ISO DN 100	144.4	124.0	15.5	222.033.100



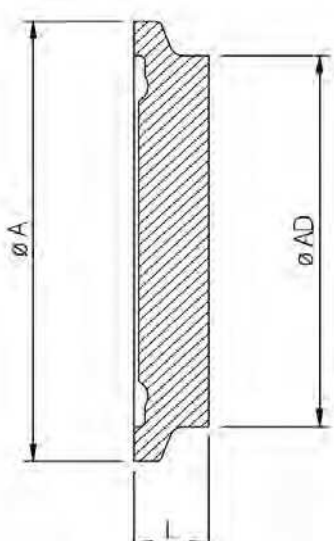
The technical drawing shows a cross-section of the clamp. Dimension A is the outer diameter of the main body. Dimension AD is the outer diameter of the blind end. Dimension L is the length of the clamp body.

All lengths in millimeters (if not specified differently).

Aseptic-Blind-Lapped Clamp acc. DIN 11864-3

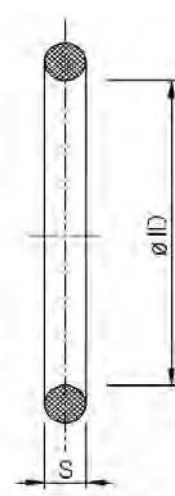
Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic Blind-Lapped Clamp acc. DIN 11864-3
Valid standards:	DIN 11864-3 for pipe connection acc. DIN 11866 Series B ISO 1127
Material:	Stnr.-W. 1.4435 BN2 (Fe < 0.5%) acc. EN 10088-1
Permissible sterilization temperature:	150°C
Version / Surface quality:	Ra, internal < 0.8 µm, Ra, external < 1.6 µm
Pipe-Hygiene Classes:	H 3 acc. DIN 11866
Marking:	Size, material number, melt number, manufacturer code
Certificates:	Certificate acc. EN 10204-3.1B
Option:	Electropolishing
Remarks:	Technical contents are subject to change

Dimensions for Aseptic-Blind-Lapped Clamp acc. DIN 11864-3				
Sizes	A	AD	L	Item No.
DIN 11864-3				
ISO DN 8	34.0	25.0	11.5	222.034.008
ISO DN 10	34.0	25.0	11.5	222.034.010
ISO DN 15	34.0	25.0	11.5	222.034.015
ISO DN 20	50.5	42.0	11.5	222.034.020
ISO DN 25	50.5	42.0	11.5	222.034.025
ISO DN 32	64.0	54.0	11.5	222.034.032
ISO DN 40	64.0	54.0	11.5	222.034.040
ISO DN 50	91.0	78.0	13.5	222.034.050
ISO DN 65	106.0	93.0	13.5	222.034.065
ISO DN 80	119.0	104.0	13.5	222.034.080
ISO DN 100	144.4	124.0	13.5	222.034.100



Aseptic-O-Ring acc. DIN 11864 / Form A

Product group:	Pipe Connections acc. DIN 11864 / Form A
Description:	Aseptic O-Ring acc. DIN 11864 / Form A
Valid standards:	DIN 11864 for pipe connection acc. DIN 11866, Series B (ISO 1127)
Material:	EPDM Ethylene-Propylene-Diene rubber Viton® (FEP), Viton® polymerisate made of vinylidene fluorides and hexafluoride propylenes
Permissible sterilization temperature:	Viton® (FEP): 150°C, EPDM: 132°C (150°C for a short time)
Version / Surface quality:	Surface smooth and nonporous, free of laminar recesses and ridges. Edges without tears and notches.
Marking:	Marking on packing units
Certificates:	Incl. Certificate of conformance FDA-21 CFR 177.2600 for gasket materials.
Remarks:	Technical contents are subject to change Viton® is a registered trademark of DuPont Dow Elastomers

Dimensions for Aseptic-O-Ring					
Sizes	ID	S	Item No. Viton®/FEP	Item No. EPDM	
DIN 11864 with pipe connection acc. DIN 11866, Series B (ISO 1127)					
ISO DN 8	12.0	3.5	222.040.008	222.042.008	
ISO DN 10	16.0	3.5	222.040.010	222.042.010	
ISO DN 15	20.0	3.5	222.040.015	222.042.015	
ISO DN 20	26.0	3.5	222.040.020	222.042.020	
ISO DN 25	32.0	5.0	222.040.025	222.042.025	
ISO DN 32	40.5	5.0	222.040.032	222.042.032	
ISO DN 40	46.5	5.0	222.040.040	222.042.040	
ISO DN 50	58.5	5.0	222.040.050	222.042.050	
ISO DN 65	73.5	5.0	222.040.065	222.042.065	
ISO DN 80	86.5	5.0	222.040.080	222.042.080	
ISO DN 100	111.0	5.0	222.040.100	222.042.100	
Material resistance: see chapter Tri-Clamp Connections (Page 29)					