

Tri-Clamp Connections

Tri-Clamp Ferrule

Chapter Tri-Clamp Connections
Page 2.0



Product group: Tri-Clamp Connections

Title: Tri-Clamp Ferrule, Type Biotechnology

Valid Norms: ISO 2852 with pipe connection acc. ISO 1127

Material: Stainless steel 1.4435 BN2 (Fe < 0,5%) acc. EN 10088

Sterelizing temperature: 150°C

Type of construction / Surface quality: Inside and outside surface: bright finish. Butt-weld-Ends for orbital-welding. Ra inside < 0,4 µm, Ra outside: < 0,8 µm

Pipe-Hygienic Classes: H 3 / H 4 acc. DIN 11866

Marking: Size, Material, Batch-Number, Producer

Certificates: Certificate acc. EN 10204-3.1B

Option: Electropolishing

Remarks: Technical contents are subject to change

Dimensions for Tri-Clamp Ferrules						
Sizes	A	AD	ID	L	Item-Number	
according ISO 2852 / ISO 1127						
ISO DN 6	25.0	10.2	7.0	28.5	210.010.007	
ISO DN 8	25.0	13.5	10.3	28.5	210.013.010	
ISO DN 8	50.5	13.5	10.3	21.6	210.013.010.S	
ISO DN 10	25.0	17.2	14.0	28.5	210.017.014	
ISO DN 10	50.5	17.2	14.0	21.6	210.017.013	
ISO DN 10	50.5	17.2	14.0	28.5	210.017.013.28	
ISO DN 15	50.5	21.3	18.1	21.6	210.021.018	
ISO DN 15	50.5	21.3	18.1	28.5	210.021.018.28	
ISO DN 20	50.5	26.9	22.9	21.6	210.026.022	
ISO DN 20	50.5	26.9	22.9	28.5	210.026.022.28	
ISO DN 20/1	50.5	26.9	23.7	21.6	210.026.023	
ISO DN 20/1	50.5	26.9	23.7	28.5	210.026.023.28	
ISO DN 25	50.5	33.7	28.7	21.6	210.033.028	
ISO DN 25	50.5	33.7	28.7	28.5	210.033.028.28	
ISO DN 25/1	50.5	33.7	29.7	21.6	210.033.029	
ISO DN 25/1	50.5	33.7	29.7	28.5	210.033.029.28	
ISO DN 32	64.0	42.4	38.4	21.6	210.042.038	
ISO DN 32	64.0	42.4	38.4	28.5	210.042.038.28	
ISO DN 40	64.0	48.3	44.3	21.6	210.048.044	
ISO DN 40	64.0	48.3	44.3	28.5	210.048.044.28	
ISO DN 50	77.5	60.3	56.3	21.6	210.060.056	
ISO DN 50	77.5	60.3	56.3	28.5	210.060.056.28	

Tri-Clamp Connections

Tri-Clamp Ferrule

Chapter Tri-Clamp Connections
Page 2.1



Product group: Tri-Clamp Connections

Title: Tri-Clamp Ferrule, Type Biotechnology

Valid Norms: ISO 2852 with pipe connection acc. ISO 1127

Material: Stainless steel 1.4435 BN2 (Fe < 0,5%) acc. EN 10088

Sterelizing temperature: 150°C

Type of construction / Surface quality: Inside and outside surface: bright finish. Butt-weld-Ends for orbital-welding. Ra inside < 0,4 μm, Ra outside: < 0,8 μm

Pipe-Hygienic Classes: H 3 / H 4 acc. DIN 11866

Marking: Size, Material, Batch-Number, Producer

Certificates: Certificate acc. EN 10204-3.1B

Option: Electropolishing

Remarks: Technical contents are subject to change

Dimensions for Tri-Clamp Ferrules						
Sizes	A	AD	ID	L	Item-Number	
according ISO 2852 / ISO 1127						
ISO DN 65	91.0	76.1	72.1	21.6	220.076.072.SP	
ISO DN 65	91.0	76.1	72.1	28.5	220.076.072.28	
ISO DN 80	106.0	88.9	84.3	21.6	220.088.084	
ISO DN 80	106.0	88.9	84.3	28.5	220.088.084.28	
ISO DN 100	130.0	114.3	109.7	21.6	220.114.109.7	
ISO DN 150	182.7	168.3	163.1	28.5	220.000.150	
ISO DN 200	233.5	219.1	213.9	28.5	220.000.200	
ISO DN *250	286.1	273.1	266.3	28.5	220.000.250	
ISO DN *300	338.5	323.9	315.9	28.5	220.000.300	

Tri-Clamp Connections

Tri-Clamp Ferrule

Chapter Tri-Clamp Connections
Page 2.2



Product group: Tri-Clamp Connections

Title: Tri-Clamp Ferrule, Type Biotechnology

Valid Norms: DIN 32676 with pipe connection acc. DIN 11850, *non standard

Material: Stainless steel 1.4435 BN2 (Fe < 0,5%) acc. EN 10088

Sterelizing temperature: 150°C

Type of construction / Surface quality: Inside and outside surface: bright finish. Butt-weld-Ends for orbital-welding. Ra inside < 0,4 µm, Ra outside: < 0,8 µm

Pipe-Hygienic Classes: H 3 / H 4 acc. DIN 11866

Marking: Size, Material, Batch-Number, Producer

Certificates: Certificate acc. EN 10204-3.1B

Option: Electropolishing

Remarks: Technical contents are subject to change

Dimensions for Tri-Clamp Ferrules						
Sizes	A	AD	ID	L	Item-Number	
according DIN 32676 / DIN 11850						
DIN *4	25.0	6.0	4.0	28.5	210.006.004	
DIN *6	25.0	8.0	6.0	28.5	210.008.006	
DIN *8	25.0	10.0	8.0	28.5	210.010.008	
DIN *10	25.0	12.0	10.0	28.5	210.010.010	
DIN 10	34.0	13.0	10.0	28.5	215.013.010.DIN	
DIN 15	34.0	19.0	16.0	28.5	215.019.016.DIN	
DIN 20	34.0	23.0	20.0	28.5	215.023.020.DIN	
DIN 25	50.5	29.0	26.0	28.5	210.029.026.DIN	
DIN 32	50.5	35.0	32.0	28.5	210.035.032.DIN	
DIN 40	50.5	41.0	38.0	28.5	210.041.038.DIN	
DIN 50	64.0	53.0	50.0	28.5	210.053.050.DIN	
DIN 65	91.0	70.0	66.0	28.5	210.070.066.DIN	
DIN 80	106.0	85.0	81.0	28.5	210.085.081.DIN	
DIN 100	119.0	104.0	100.0	28.5	210.104.100.DIN	
DIN 125	155.0	129.0	125.0	28.5	210.129.125.DIN	
DIN 150	183.0	154.0	150.0	28.5	210.154.150.DIN	
DIN 200	233.5	204.0	200.0	28.5	210.204.200.DIN	

Tri-Clamp Connections

Tri-Clamp Ferrule

Chapter Tri-Clamp Connections
Page 2.3



Product group: Tri-Clamp Connections

Title: Tri-Clamp Ferrule, Type Biotechnology

Valid Norms: BS 4825 with pipe connection acc. ASME-BPE 1997, *non standard

Material: Stainless steel 1.4435 BN2 (Fe < 0,5%) acc. EN 10088

Sterelizing temperature: 150°C

Type of construction / Surface quality: Inside and outside surface: bright finish. Butt-weld-Ends for orbital-welding. Ra inside < 0,4 µm, Ra outside: < 0.8 µm

Pipe-Hygienic Classes: H 3 / H 4 acc. DIN 11866

Marking: Size, Material, Batch-Number, Producer

Certificates: Certificate acc. EN 10204-3.1B

Option: Electropolishing

Remarks: Technical contents are subject to change

Dimensions for Tri-Clamp Ferrules						
Sizes	A	AD	ID	L	Item-Number	
according BS 4825 / ASME-BPE 1997						
OD 1/2"	25.0	12.7	9.4	28.5	220.012.009	
OD 3/4"	25.0	19.05	15.75	28.5	220.019.016	
OD 1"	50.5	25.4	22.1	21.6	220.025.022	
OD 1 1/2"	50.5	38.1	34.8	21.6	220.038.034	
OD 2"	64.0	50.8	47.5	21.6	220.050.047	
OD 2 1/2"	77.5	63.5	60.2	21.6	220.064.060	
OD 3"	91.0	76.2	72.9	21.6	220.076.072	
OD *3 1/2"	106.0	88.9	84.3	21.6	220.088.084	
OD 4"	119.0	101.6	97.4	21.6	220.102.097	
OD *4 1/2"	130.0	114.3	109.1	21.6	220.114.109	
OD *5"	144.5	127.0	120.0	21.6	220.127.120	
OD *5 1/2"	144.5	119.8	113.8	21.6	220.119.113	
OD 6"	167.0	152.4	146.86	21.6	220.154.147	
OD *8"	217.5	205.0	198.0	21.6	220.205.198	
OD *10"	268.0	254.0	250.0	28.5	220.254.250	
OD *12"	319.0	304.8	300.8	28.5	220.304.300	