

STATUTORY DECLARATION Registration of Fittings



I, Gerhard Kopplin, Technical Director of Mann Teknik AB located at Strandvägen 16, 54231 Mariestad, Sweden

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

comply with the requirements of which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or

are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3 Process piping as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, Lloyd's Register Quality Ass. as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

Dry Disconnect Couplings (brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

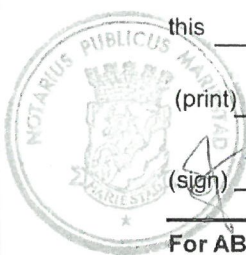
Drawings, Calculations, Test reports

DECLARED before me at MARIESTAD in the SKARABORG of SWEDEN

this 28th day of March, 2019

(print) P. LARS CH NILSSON (a Commissioner of Oaths or Notary Public)

(signature) [Signature] (signature of applicant)



For ABSA Office Use Only: See Acceptance Letter for the comments and/or conditions of registration.

NOTES: TN: 2019-02590

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category "A"

Registration Number: 0 A 1 6 8 9 9 . 2

LJUPCO PETRUSEVSKI (Signature of the Administrator/SCO)

Date Registered: FEB 06 2020

Expiry Date: FEB 06, 2030

ADA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

0 A 1 6 8 9 9 . 2

REGISTRATION NO. SEE ACC. LETTER

DATE NO. or CAT. NO. 0 A 1 6 8 9 9 . 2

TYPE OF FITTINGS DRY DISC. / GAS COUPLINGS

FEB 06 2020

INITIALS L. J. PETRUSEVSKI

Size (Inch)	1" - 4" Stainless steel
Material	EN 10272 1.4404+AT; EN 10213 1.4409+AT
Minimum Working Temperature (°C)	-58
Maximum Working Temperature (°C)	100
Maximum Working Pressure (Psi)	225

Catalog page: DGCL 2016, Page 84, 85, 93

Scope of Registration_SS

Mann Tek Dry Disconnect Couplings and Dry Gas Couplings

Dixon Catalog Part	Description	Drawing No.	Matr 1	Matr 2	Drawing No.	Matr 3	Matr 4
DDA100SS	ADAPTER & Female NPT	T104A4401	1.4404+AT	1.4401+AT	(1)		
DDA100SFL	ADAPTER & FLANGE	T151A4401	1.4404+AT	1.4401+AT	(1)		
DGA100SS	ADAPTER & Female NPT	L104A4401	1.4404+AT	1.4401+AT	(1)		
DGA100SFL	ADAPTER & FLANGE	L151A4401	1.4404+AT	1.4401+AT	(1)		
DDA200SS	ADAPTER & Female NPT	T211A4401	1.4404+AT	1.4401+AT	(1)		
DDA200SFL	ADAPTER & FLANGE	T257A4401	1.4404+AT	1.4401+AT	T257B4401	1.4408+AT	1.4409+AT
DGA200SS	ADAPTER & Female NPT	L211A4401	1.4404+AT	1.4401+AT	(1)		
DGA200SFL	ADAPTER & FLANGE	L257A4401	1.4404+AT	1.4401+AT	L257B4401	1.4408+AT	1.4409+AT
DDA300SS105	ADAPTER & Female NPT	T315A4401	1.4404+AT	1.4401+AT	T315D4401	1.4408+AT	1.4409+AT
DDA300SS105FL	ADAPTER & FLANGE	T361A4401	1.4404+AT	1.4401+AT	T361D4401	1.4408+AT	1.4409+AT
DDA300SS	ADAPTER & Female NPT	T415A4401	1.4404+AT	1.4401+AT	T415D4401	1.4408+AT	1.4409+AT
DDA300SFL	ADAPTER & FLANGE	T461A4401	1.4404+AT	1.4401+AT	T461D4401	1.4408+AT	1.4409+AT
DDA400SS	ADAPTER & Female NPT	T517A4401	1.4404+AT	1.4401+AT	T517B4401	1.4408+AT	1.4409+AT
DDA400SFL	ADAPTER & FLANGE	T563A4401	1.4404+AT	1.4401+AT	T563B4401	1.4408+AT	1.4409+AT
DDC100SS	COUPLER & Female NPT	S104A4401	1.4404+AT	1.4401+AT	(1)		
DGC100SS	COUPLER & Female NPT	M104A4401	1.4404+AT	1.4401+AT	(1)		
DDC200SS	COUPLER & Female NPT	S211A4401	1.4404+AT	1.4401+AT	(1)		
DDC200SFL	COUPLER & FLANGE	S257A4401	1.4404+AT	1.4401+AT	(1)		
DGC200SS	COUPLER & Female NPT	M211A4401	1.4404+AT	1.4401+AT	(1)		
DDC300SS105	COUPLER & Female NPT	S315A4401	1.4404+AT	1.4401+AT	S315B4401	1.4408+AT	1.4409+AT
DDC300SS	COUPLER & Female NPT	(1)			S415B4401	1.4408+AT	1.4409+AT
DDC300SFL	COUPLER & FLANGE	(1)			S461B4401	1.4408+AT	1.4409+AT
DDC400SS	COUPLER & Female NPT	(1)			S517B4401	1.4408+AT	1.4409+AT
DDC400SFL	COUPLER & FLANGE	(1)			S563B4401	1.4408+AT	1.4409+AT

(1) The material is not valid on the production range due to economic reason

TN: 2019-02590

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See Acceptance Letter for the conditions and/or conditions of registration.

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Registration drawing No. in reference with test drawing No. -stainless steel

Mann Tek Dry Disconnect Couplings and Dry Gas Couplings

Catalog page: DGCL 2016, Page 84, 85, 93

Dixon Catalog Part	Description	Registration Drawing No. 1	Registration Drawing No. 2	Testing drawing No.
DDA100SS	ADAPTER & Female NPT	T104A4401	(1)	T103A4401A
DDA100SSFL	ADAPTER & FLANGE	T151A4401	(1)	T103A4401A
DGA100SS	ADAPTER & Female NPT	L104A4401	(1)	T103A4401A
DGA100SSFL	ADAPTER & FLANGE	L151A4401	(1)	T103A4401A
DDA200SS	ADAPTER & Female NPT	T211A4401	(1)	T210A4401A
DDA200SSFL	ADAPTER & FLANGE	T257A4401	(1)	T210A4401A
DGA200SS	ADAPTER & Female NPT	L211A4401	(1)	T210A4401A
DGA200SSFL	ADAPTER & FLANGE	L257A4401	(1)	T210A4401A
DDA300SS105	ADAPTER & Female NPT	T315A4401	T315B4401 to T315B4401	T314A4401A
DDA300SS105FL	ADAPTER & FLANGE	T361A4401	T361D4401 to T361B4401	T314A4401A
DDA300SS	ADAPTER & Female NPT	T415A4401	T415D4401 to T415B4401	T414A4401A
DDA300SSFL	ADAPTER & FLANGE	T461A4401	T461D4401 to T461B4401	T414A4401A
DDA400SS	ADAPTER & Female NPT	T517A4401	(1)	T516B4401A
DDA400SSFL	ADAPTER & FLANGE	T563A4401	(1)	T516B4401A
DDC100SS	COUPLER & Female NPT	S104A4401	(1)	S103A4401A
DGC100SS	COUPLER & Female NPT	M104A4401 to M104A4420	(1)	S103A4401A
DDC200SS	COUPLER & Female NPT	S211A4401	(1)	S210A4401A
DDC200SSFL	COUPLER & FLANGE	S257A4401	(1)	S210A4401A
DGC200SS	COUPLER & Female NPT	M211A4401	(1)	S210A4401A
DDC300SS105	COUPLER & Female NPT	S315A4401	S315B4401	S314B4401A
DDC300SS	COUPLER & Female NPT	(1)	S415B4401	S414B4401A
DDC300SSFL	COUPLER & FLANGE	(1)	S461B4401	S414B4401A
DDC400SS	COUPLER & Female NPT	(1)	S517B4401	S516B4401A
DDC400SSFL	COUPLER & FLANGE	(1)	S563B4401	S516B4401A

(1) The material is not valid on the production range due to economic reason

See Acceptance Letter for the comments
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Material specification SS

Material definition in drawing	Rp0,2 at 20 °C [MPa]	Source	Basic allowable stress at 100 °C [MPa]	Source	K	Rm [MPa]	Source	Corresponding Materials
EN10272 1,4404+AT X2CrNiMo17-12-2	200	EN 10272 Table 8	165	EN 10272 Table 11	1,21	440	EN 10272 Table 8	ASTM A 182 / 276 / 479 F316L and ASME SA 182 / 479 F316L UNS 31603 AISI 316L
EN10272 1,4401+AT X5CrNiMo17-12-2	200	EN 10272 Table 8	175	EN 10272 Table 11	1,14	500	EN 10272 Table 8	ASTM A 182 / 276 / 479 F316 and ASME SA 182 / 479 F316 UNS 31600 AISI 316
EN10213 1,4408+AT GX2CrNiMo19-11-2	210	EN 10213 Table 3	170	EN 10213 Table 6	1,24	440	EN 10213 Table 3	ASTM A 351 CF8M ASME SA 351 CF8M UNS J92900 SAE 316
EN10213 1,4409+AT GX2CrNiMo19-11-2	220	EN 10213 Table 3	175	EN 10213 Table 6	1,26	440	EN 10213 Table 3	ASTM A 351 CF3M ASME SA 351 CF3M UNS J92800 SAE 316L


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Scope of Registration_AL

Mann Tek Dry Disconnect Couplings and Dry Gas Couplings

Catalog page: DGCL 2016, Page 84, 85, 93

Size (inch):	1" - 4" aluminum
Material:	EN 755 AW 6262-T6; AW 6082-T6; AW 5083-O/H112; AW 6026-T6; EN 1706 AC 42100; AC 42000; AC 43200
Minimum Working Temperature (°C):	-58
Maximum Working Temperature (°C):	65
Maximum Working Pressure (Psi):	150

Dixon Catalog Part No.	Description	Drawing 1	Matr 1	Matr 2	Matr 3	Matr 4	Drawing 2	Matr 5	Matr 6	Matr 7
DDC100AL	COUPLER & Female NPT	S104A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDC200AL	COUPLER & Female NPT	S211A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDC300AL105	COUPLER & Female NPT	S315B1101	AW 6262	AW 6082	AW 6026	AW 5083	S315B1101	AC 42000	AC 42100	AC 43200
DDC300AL	COUPLER & Female NPT	(1)					S415B1101	AC 42000	AC 42100	AC 43200
DDC400AL	COUPLER & Female NPT	S517B1101	AW 6262	AW 6082	AW 6026	AW 5083	S517B1101	AC 42000	AC 42100	AC 43200
DDC400AL164TTMA	COUPLER & TTMA FLANGE	S568B1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDA100AL	ADAPTER & Female NPT	T104A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDA100ALFL	ADAPTER & FLANGE	T151A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDA200AL	ADAPTER & Female NPT	T211A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDA200ALFL	ADAPTER & FLANGE	T257A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDA300AL105	ADAPTER & Female NPT	T315A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDA300AL105FL	ADAPTER & FLANGE	(1)					T361D11101	AC 42000	AC 42100	AC 43200
DDA300AL105TTMA	ADAPTER & TTMA FLANGE	T367A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDA300AL	ADAPTER & Female NPT	T415A1101	AW 6262	AW 6082	AW 6026	AW 5083	T415D11101	AC 42000	AC 42100	AC 43200
DDA300ALFL	ADAPTER & FLANGE	(1)					T461D11101	AC 42000	AC 42100	AC 43200
DDA300AL119TTMA	ADAPTER & TTMA FLANGE	T467A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDA400AL	ADAPTER & Female NPT	T517A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDA400ALFL	ADAPTER & FLANGE	T563A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			
DDA400AL164TTMA	ADAPTER & TTMA FLANGE	T568A1101	AW 6262	AW 6082	AW 6026	AW 5083	(1)			

(1) The material is not valid on the production range due to economic reason

See Acceptance Letter for the comments and/or conditions of registration.

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Registration drawing No. in reference with test drawing No. -aluminum

Mann Tek Dry Disconnect Couplings and Dry Gas Couplings

Catalog page: DGCL 2016, Page 84, 85, 93

Dixon Catalog Part No.	Description	Registration Drawing No.1	Registration Drawing No.2	Testing drawing Nr.
DDC100AL	COUPLER & Female NPT	S104A1101	(1)	S103A1101B
DDC200AL	COUPLER & Female NPT	S211A1101	(1)	S210A1101B
DDC300AL105	COUPLER & Female NPT	S315B1101 to (1)	S315B1101	S315B1101
DDC300AL	COUPLER & Female NPT	(1)	S415B1101	S414B1101B
DDC400AL	COUPLER & Female NPT	S517B1101 to (1)	S517B1101	S516B1101B
DDC400AL164TTMA	COUPLER & TTMA FLANGE	S568B1101 to (1)	(1) to S568B1101	S516B1101B
DDA100AL	ADAPTER & Female NPT	T104A1101	(1)	T103A1101B
DDA100ALFL	ADAPTER & FLANGE	T151A1101	(1)	T103A1101B
DDA200AL	ADAPTER & Female NPT	T211A1101	(1)	T210A1101B
DDA200ALFL	ADAPTER & FLANGE	T257A1101	(1)	T210A1101B
DDA300AL105	ADAPTER & Female NPT	T315A1101	(1)	T312A1101B
DDA300AL105FL	ADAPTER & FLANGE	(1)	T361D1101	T312A1101B
DDA300AL105TTMA	ADAPTER & TTMA FLANGE	T367A1101	(1)	T312A1101B
DDA300AL	ADAPTER & Female NPT	T415A1101	T415D1101	T414A1101B
DDA300ALFL	ADAPTER & FLANGE	(1)	T461D1101	T414A1101B
DDA300AL119TTMA	ADAPTER & TTMA FLANGE	T467A1101	(1) to T467B1101	T414A1101B
DDA400AL	ADAPTER & Female NPT	T517A1101	(1)	T516A1101B
DDA400ALFL	ADAPTER & FLANGE	T563A1101	(1) to T563D1101	T516A1101B
DDA400AL164TTMA	ADAPTER & TTMA FLANGE	T568A1101	(1) to T568D1101	T516A1101B

(1) The material is not valid on the production range due to economic reason

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and/or conditions of registration.

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Material specification AL

Material definition	R _{p0.2} / R _{p1.0} at 20 °C [MPa]	Source	Basic allowable stress at 65 °C [MPa]	Source	K	R _m [MPa]	Source	Corresponding Materials
EN 755-2 AW 6262-T6; AlMg1SiPb	240	EN755-2 Table 43	170	ASME B31,3 / 323,1,2	1,41	260	EN755-2 Table 43	ASTM B221 6262-T6 UNS A96262 EN 754-2 / 573 AW 6262-T6
EN 755-2 AW 6082-T6 AlSi1MgMn	260	EN755-2 Table 51	170	ASME B31,3 / 323,1,2	1,53	310	EN755-2 Table 51	ASTM B221 6082-T6 UNS A96082 EN 754-2 / 573 AW 6082-T6
EN 755-2 AW 6026-T6 AlMgSiBi Diameter >140mm	300	EN755-2 Table 36	200	ASME B31,3 / 323,1,2	1,50	370	EN755-2 Table 36	EN 754-2 / 573 AW 6026-T6
EN 755-2 AW 6026-T6 AlMgSiBi Diameter <140mm	250	EN755-2 Table 36	167	ASME B31,3 / 323,1,2	1,50	340	EN755-2 Table 36	EN 754-2 / 573 AW 6026-T6
EN 755-2 AW 5083- O/H112 AlMg4,5Mn0,7	110	EN755-2 Table 24	74	ASME B31,3 Table A-1	1,49	270	EN755-2 Table 24	ASTM B221 5083-O/H112 UNS A95083 EN 754-2 / 573 AW 5083-
EN 1706 AC 42100-T6; AlSi7Mg0.3	190	EN 1706 Table 2	155	ASME B31,3 / 323,1,2	1,23	230	EN 1706 Table 2	ASTM B26 A356.0-T6 UNS A13560 SAE 336
EN 1706 AC 42000-T6 AlSi7Mg	180	EN 1706 Table 2	150	ASME B31,3 / 323,1,2	1,2	220	EN 1706 Table 2	ASTM B26 A356.0-T6 UNS A03560 SAE 323
EN 1706 AC 43200-T6 AlSi10Mg (Cu)	180	EN 1706 Table 2	150	ASME B31,3 / 323,1,2	1,2	220	EN 1706 Table 2	ASTM B26 A360.0-T6 UNS A13600 SAE 309

See Acceptance Letter for the comments
and/or conditions of registration.

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