

September 29, 2025

Attention: Cecylia Garbacz
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, Tracking Number 2025-04164, Web Portal Number 2025-S3418, originally received on June 23, 2025 was surveyed and accepted for registration as follows:

CRN : 0A25552.2 **Accepted on:** September 29, 2025

Reg Type: NEW DESIGN **Expiry Date:** September 29, 2035

Document No. Report No. R-2020 [SCOPE OF CRN REGISTRATION, 10-Sep-25] Rev 0 As Noted

Fitting type: PIPE FITTINGS

Design registered in the name of : TYLOK INTERNATIONAL INC

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is ASME B31.1.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration or AB-351 Declaration of Conformity form.*
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, until that date.*
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any questions don't hesitate to contact me by phone at (587) 943-8743 or fax (403) 291-4545 or e-mail Rokanuzzaman@absa.ca.

Sincerely,



ROKANUZZAMAN, MOHAMMAD, P. Eng.
DOP Cert. No. D00010592

**STATUTORY DECLARATION
Registration of Fittings**
Single or Multiple Fitting Designs within one Fitting Category

I, Luke DiFranco, Engineer
(name of applicant) (position title) (must be in a position of authority)
of Tylok International, Inc.
(name of manufacturer)
located at 26000 Lakeland Boulevard, Euclid, OH, 44132, USA
(plant address)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



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

- ☒ comply with the requirements of ASME B31.3, B31.1 which specifies the dimensions, (title of recognized North American Standard)
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 _____ as supported by the (title of code of construction or other applicable document)
attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Instrumentation Pipe Fittings	ISO 9001:2015	Design and Manufacturing	2027-07-01	SCB	OH, USA
2.						

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

Scope of CRN, Drawings, Calculations, Reports

John D. Aron

(Signature of the Declarer)

3/13/2025

(Date)

DECLARED before me at Euclid in the State of Ohio
(city) (province, territory, or state)
this 13th day of March, 2025
(Month) (Year)

(print) Elizabeth Kirby
(a Commissioner of Oaths or Notary Public)

(sign) Elizabeth Kirby
(a Commissioner of Oaths or Notary Public)

09/08/27
(expiry date (mm/dd/yy))



ELIZABETH KIRBY
Notary Public, State of Ohio
My Commission Expires
September 8, 2027

Commissioner of Oaths / Notary Public in and for: Ohio
(province, territory, or state)

For ABSA Office Use Only:

NOTES: _____

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category _____.

CRN: _____

Registered Date: _____

Expiry Date: September 29, 2035

Signature: _____

(Signature of the Administrator/SCO)

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

2025-04164

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0A25552.2

**See acceptance letter for
conditions of registration.**

Date: 2025-09-29

By:

Rokanuzzaman

IOHAMMAD ROKANUZZAMAN, P. Eng.
DOP: D00010592

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

TYLOK INTERNATIONAL, INC.

1061 EAST 260TH ST.,
EUCLID, OHIO,
44132-2877, USA



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SCOPE OF CRN REGISTRATION

Product Description	Design Code	Available Material of Construction	Available Process Connections		Report Number
			Tylok Size	Pipe Thread (NPT)	
Instrumentation Pipe Fittings	ASME B31.1, ASME B31.3	Stainless Steel ASTM A479 -316/316L, ASTM A182 -F316/316L, Brass ASTM B16 -C36000, ASTM B283 -C37700 (Note 4) Steel ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045	1	1/16-27	R-2020 Rev. 0
			2	1/8-27	
			4	1/4-18	
			6	3/8-18	
			8	1/2-14	
			12	3/4-14	
			16	1-11-1/2	

PRESSURE-TEMPERATURE RATINGS (NOTE 3)

Material of Construction:		Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L	
Size	Part#	MAWP at 100°F (psig)	
2	SS-2-1CLN	7600	
4	SS-4-1CLN	7600	
6	SS-6-1CLN	7600	
8	SS-8-1CLN	7600	
12	SS-12-1CLN	7300	
16	SS-16-1CLN	5300	
2	SS-2-1FMA	6500	
4	SS-4-1FMA	6600	
6	SS-6-1FMA	5300	
8	SS-8-1FMA	4900	
12	SS-12-1FMA	4600	
16	SS-16-1FMA	4400	
2	SS-2-1FPC	6500	
4	SS-4-1FPC	6600	
6	SS-6-1FPC	5300	
8	SS-8-1FPC	4900	
12	SS-12-1FPC	4600	
16	SS-16-1FPC	4400	

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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L
Size	Part#	MAWP at 100°F (psig)
2x1	SS-2-1FPRU-1	6500
4x2	SS-4-1FPRU-2	6600
6x2	SS-6-1FPRU-2	5300
6x4	SS-6-1FPRU-4	5300
8x4	SS-8-1FPRU-4	4900
8x6	SS-8-1FPRU-6	4900
12x4	SS-12-1FPRU-4	4600
12x8	SS-12-1FPRU-8	4600
16x12	SS-16-1FPRU-12	4400
16x12	SS-16-1FPRU-12	4400
2	SS-2-1FPU	6500
4	SS-4-1FPU	6600
6	SS-6-1FPU	5300
8	SS-8-1FPU	4900
12	SS-12-1FPU	4600
16	SS-16-1FPU	4400
2	SS-2-1HLN-X	7600
4	SS-4-1HLN-X	7600
6	SS-6-1HLN-X	7600
8	SS-8-1HLN-X	7600
12	SS-12-1HLN-X	7300
16	SS-16-1HLN-X	5300
1	SS-1-1HN	7600
2	SS-2-1HN	7600
4	SS-4-1HN	7600
6	SS-6-1HN	7600
8	SS-8-1HN	7600
12	SS-12-1HN	7300
16	SS-16-1HN	5300
2x1	SS-2-1HRN-1	7600
4x2	SS-4-1HRN-2	7600
6x2	SS-6-1HRN-2	7600
6x4	SS-6-1HRN-4	7600
8x2	SS-8-1HRN-2	7600
8x4	SS-8-1HRN-4	7600
8x6	SS-8-1HRN-6	7600
12x2	SS-12-1HRN-2	7600
12x4	SS-12-1HRN-4	7600

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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L
Size	Part#	MAWP at 100°F (psig)
12x6	SS-12-1HRN-6	7600
12x8	SS-12-1HRN-6	7600
16x2	SS-16-1HRN-2	7600
16x4	SS-16-1HRN-4	7600
16x6	SS-16-1HRN-6	7600
16x8	SS-16-1HRN-8	7600
16x12	SS-16-1HRN-12	7300
2x1	SS-2-1RAFM-1	6500
4x1	SS-4-1RAFM-1	6600
4x2	SS-4-1RAFM-2	6600
6x2	SS-6-1RAFM-2	5300
6x4	SS-6-1RAFM-4	5300
8x2	SS-8-1RAFM-2	4900
8x4	SS-8-1RAFM-4	4900
8x6	SS-8-1RAFM-6	4900
12x4	SS-12-1RAFM-4	4600
12x6	SS-12-1RAFM-6	4600
12x8	SS-12-1RAFM-8	4600
16x4	SS-16-1RAFM-4	4400
16x6	SS-16-1RAFM-6	4400
16x8	SS-16-1RAFM-8	4400
16x12	SS-16-1RAFM-12	4400
2x1	SS-2-1-1RBMF-1	6500
4x2	SS-4-1-1RBMF-2	5500
6x2	SS-6-1-1RBMF-2	7600
6x4	SS-6-1-1RBMF-4	6600
8x2	SS-8-1-1RBMF-2	7600
8x4	SS-8-1-1RBMF-4	7600
8x6	SS-8-1-1RBMF-6	5300
12x4	SS-12-1-1RBMF-4	7600
12x6	SS-12-1-1RBMF-6	7600
12x8	SS-12-1-1RBMF-8	4900
16x4	SS-16-1-1RBMF-4	7600
16x6	SS-16-1-1RBMF-6	7600
16x8	SS-16-1-1RBMF-8	7600
16x12	SS-16-1-1RBMF-12	4600
2	SS-2-3FFF	6600
4	SS-4-3FFF	5900

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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L
Size	Part#	MAWP at 100°F (psig)
6	SS-6-3FFF	4400
8	SS-8-3FFF	3000
12	SS-12-3FFF	3400
16	SS-16-3FFF	2500
2	SS-2-2FF-2	6600
4	SS-4-2FF-4	5900
6	SS-6-2FF-6	4400
8	SS-8-2FF-8	3000
12	SS-12-2FF-12	3400
16	SS-16-2FF-16	2500
2	SS-2-2FM-2	6600
4	SS-4-2FM-4	5900
6	SS-6-2FM-6	4400
8	SS-8-2FM-8	3000
12	SS-12-2FM-12	3400
16	SS-16-2FM-16	2500
2	SS-2-2FMR-2	6600
4	SS-4-2FMR-4	5900
6	SS-6-2FMR-6	4400
8	SS-8-2FMR-8	3000
12	SS-12-2FMR-12	3400
16	SS-16-2FMR-16	2500
2	SS-2-2MM-2	6600
4	SS-4-2MM-4	5900
6	SS-6-2MM-6	4400
8	SS-8-2MM-8	3000
12	SS-12-2MM-12	3400
16	SS-16-2MM-16	2500
2	SS-2-3FFM-2	6600
4	SS-4-3FFM-4	5900
6	SS-6-3FFM-6	4400
8	SS-8-3FFM-8	3000
12	SS-12-3FFM-12	3400
16	SS-16-3FFM-16	2500
2	SS-2-3FMF-2	6600
4	SS-4-3FMF-4	5900
6	SS-6-3FMF-6	4400
8	SS-8-3FMF-8	3000

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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L
Size	Part#	MAWP at 100°F (psig)
12	SS-12-3FMF-12	3400
16	SS-16-3FMF-16	2500
2	SS-2-3MMM	6600
4	SS-4-3MMM	5900
6	SS-6-3MMM	4400
8	SS-8-3MMM	3000
12	SS-12-3MMM	3400
16	SS-16-3MMM	2500
4	SS-4-4FPCR	5900
8	SS-8-4FPCR	3000
1	SS-1-1MPP	7600
2	SS-2-1MPP	7600
4	SS-4-1MPP	7600
6	SS-6-1MPP	7600
8	SS-8-1MPP	7600
12	SS-12-1MPP	7300
16	SS-16-1MPP	5300

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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Brass: ASTM B16-C36000, ASTM B283-C37700
Size	Part#	MAWP at 100°F (psig)
2	B-2-1CLN	3800
4	B-4-1CLN	3800
6	B-6-1CLN	3800
8	B-8-1CLN	3800
12	B-12-1CLN	3600
16	B-16-1CLN	2600
2	B-2-1FMA	3200
4	B-4-1FMA	3300
6	B-6-1FMA	2600
8	B-8-1FMA	2400
12	B-12-1FMA	2300
16	B-16-1FMA	2200
2	B-2-1FPC	3200
4	B-4-1FPC	3300
6	B-6-1FPC	2600
8	B-8-1FPC	2400
12	B-12-1FPC	2300
16	B-16-1FPC	2200
2x1	B-2-1FPRU-1	3200
4x2	B-4-1FPRU-2	3300
6x2	B-6-1FPRU-2	2600
6x4	B-6-1FPRU-4	2600
8x4	B-8-1FPRU-4	2400
8x6	B-8-1FPRU-6	2400
12x4	B-12-1FPRU-4	2300
12x8	B-12-1FPRU-8	2300
16x12	B-16-1FPRU-12	2200
16x12	B-16-1FPRU-12	2200
2	B-2-1FPU	3200
4	B-4-1FPU	3300
6	B-6-1FPU	2600
8	B-8-1FPU	2400
12	B-12-1FPU	2300
16	B-16-1FPU	2200
2	B-2-1HLN-X	3800
4	B-4-1HLN-X	3800
6	B-6-1HLN-X	3800
8	B-8-1HLN-X	3800

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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Brass: ASTM B16-C36000, ASTM B283-C37700
Size	Part#	MAWP at 100°F (psig)
12	B-12-1HLN-X	3600
16	B-16-1HLN-X	2600
1	B-1-1HN	3800
2	B-2-1HN	3800
4	B-4-1HN	3800
6	B-6-1HN	3800
8	B-8-1HN	3800
12	B-12-1HN	3600
16	B-16-1HN	2600
2x1	B-2-1HRN-1	3800
4x2	B-4-1HRN-2	3800
6x2	B-6-1HRN-2	3800
6x4	B-6-1HRN-4	3800
8x2	B-8-1HRN-2	3800
8x4	B-8-1HRN-4	3800
8x6	B-8-1HRN-6	3800
12x2	B-12-1HRN-2	3800
12x4	B-12-1HRN-4	3800
12x6	B-12-1HRN-6	3800
12x8	B-12-1HRN-6	3800
16x2	B-16-1HRN-2	3800
16x4	B-16-1HRN-4	3800
16x6	B-16-1HRN-6	3800
16x8	B-16-1HRN-8	3800
16x12	B-16-1HRN-12	3600
2x1	B-2-1RAFM-1	3200
4x1	B-4-1RAFM-1	3300
4x2	B-4-1RAFM-2	3300
6x2	B-6-1RAFM-2	2600
6x4	B-6-1RAFM-4	2600
8x2	B-8-1RAFM-2	2400
8x4	B-8-1RAFM-4	2400
8x6	B-8-1RAFM-6	2400
12x4	B-12-1RAFM-4	2300
12x6	B-12-1RAFM-6	2300
12x8	B-12-1RAFM-8	2300
16x4	B-16-1RAFM-4	2200
16x6	B-16-1RAFM-6	2200

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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Brass: ASTM B16-C36000, ASTM B283-C37700
Size	Part#	MAWP at 100°F (psig)
16x8	B-16-1RAFM-8	2200
16x12	B-16-1RAFM-12	2200
2x1	B-2-1-1RBMF-1	3300
4x2	B-4-1-1RBMF-2	3200
6x2	B-6-1-1RBMF-2	3800
6x4	B-6-1-1RBMF-4	2900
8x2	B-8-1-1RBMF-2	3800
8x4	B-8-1-1RBMF-4	3800
8x6	B-8-1-1RBMF-6	2600
12x4	B-12-1-1RBMF-4	3800
12x6	B-12-1-1RBMF-6	3800
12x8	B-12-1-1RBMF-8	2400
16x4	B-16-1-1RBMF-4	3800
16x6	B-16-1-1RBMF-6	3800
16x8	B-16-1-1RBMF-8	3800
16x12	B-16-1-1RBMF-12	2300
2	B-2-3FFF	3800
4	B-4-3FFF	3500
6	B-6-3FFF	2600
8	B-8-3FFF	1800
12	B-12-3FFF	2000
16	B-16-3FFF	1500
2	B-2-2FF-2	3800
4	B-4-2FF-4	3500
6	B-6-2FF-6	2600
8	B-8-2FF-8	1800
12	B-12-2FF-12	2000
16	B-16-2FF-16	1500
2	B-2-2FM-2	3800
4	B-4-2FM-4	3500
6	B-6-2FM-6	2600
8	B-8-2FM-8	1800
12	B-12-2FM-12	2000
16	B-16-2FM-16	1500
2	B-2-2FMR-2	3800
4	B-4-2FMR-4	3500
6	B-6-2FMR-6	2600
8	B-8-2FMR-8	1800

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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Brass: ASTM B16-C36000, ASTM B283-C37700
Size	Part#	MAWP at 100°F (psig)
12	B-12-2FMR-12	2000
16	B-16-2FMR-16	1500
2	B-2-2MM-2	3800
4	B-4-2MM-4	3500
6	B-6-2MM-6	2600
8	B-8-2MM-8	1800
12	B-12-2MM-12	2000
16	B-16-2MM-16	1500
2	B-2-3FFM-2	3800
4	B-4-3FFM-4	3500
6	B-6-3FFM-6	2600
8	B-8-3FFM-8	1800
12	B-12-3FFM-12	2000
16	B-16-3FFM-16	1500
2	B-2-3FMF-2	3800
4	B-4-3FMF-4	3500
6	B-6-3FMF-6	2600
8	B-8-3FMF-8	1800
12	B-12-3FMF-12	2000
16	B-16-3FMF-16	1500
2	B-2-3MMM	3800
4	B-4-3MMM	3500
6	B-6-3MMM	2600
8	B-8-3MMM	1800
12	B-12-3MMM	2000
16	B-16-3MMM	1500
4	B-4-4FPCR	3500
8	B-8-4FPCR	1800
1	B-1-1MPP	3800
2	B-2-1MPP	3800
4	B-4-1MPP	3800
6	B-6-1MPP	3800
8	B-8-1MPP	3800
12	B-12-1MPP	3600
16	B-16-1MPP	2600

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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045
Size	Part#	MAWP at 100°F (psig)
2	S-2-1CLN	7600
4	S-4-1CLN	7600
6	S-6-1CLN	7600
8	S-8-1CLN	7600
12	S-12-1CLN	7300
16	S-16-1CLN	5300
2	S-2-1FMA	6500
4	S-4-1FMA	6600
6	S-6-1FMA	5300
8	S-8-1FMA	4900
12	S-12-1FMA	4600
16	S-16-1FMA	4400
2	S-2-1FPC	6500
4	S-4-1FPC	6600
6	S-6-1FPC	5300
8	S-8-1FPC	4900
12	S-12-1FPC	4600
16	S-16-1FPC	4400
2x1	S-2-1FPRU-1	6500
4x2	S-4-1FPRU-2	6600
6x2	S-6-1FPRU-2	5300
6x4	S-6-1FPRU-4	5300
8x4	S-8-1FPRU-4	4900
8x6	S-8-1FPRU-6	4900
12x4	S-12-1FPRU-4	4600
12x8	S-12-1FPRU-8	4600
16x12	S-16-1FPRU-12	4400
16x12	S-16-1FPRU-12	4400
2	S-2-1FPU	6500
4	S-4-1FPU	6600
6	S-6-1FPU	5300
8	S-8-1FPU	4900
12	S-12-1FPU	4600
16	S-16-1FPU	4400
2	S-2-1HLN-X	7600
4	S-4-1HLN-X	7600
6	S-6-1HLN-X	7600
8	S-8-1HLN-X	7600

TYLOK INTERNATIONAL, INC.

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 44132-2877, USA



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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045
Size	Part#	MAWP at 100°F (psig)
12	S-12-1HLN-X	7300
16	S-16-1HLN-X	5300
1	S-1-1HN	7600
2	S-2-1HN	7600
4	S-4-1HN	7600
6	S-6-1HN	7600
8	S-8-1HN	7600
12	S-12-1HN	7300
16	S-16-1HN	5300
2x1	S-2-1HRN-1	7600
4x2	S-4-1HRN-2	7600
6x2	S-6-1HRN-2	7600
6x4	S-6-1HRN-4	7600
8x2	S-8-1HRN-2	7600
8x4	S-8-1HRN-4	7600
8x6	S-8-1HRN-6	7600
12x2	S-12-1HRN-2	7600
12x4	S-12-1HRN-4	7600
12x6	S-12-1HRN-6	7600
12x8	S-12-1HRN-6	7600
16x2	S-16-1HRN-2	7600
16x4	S-16-1HRN-4	7600
16x6	S-16-1HRN-6	7600
16x8	S-16-1HRN-8	7600
16x12	S-16-1HRN-12	7300
2x1	S-2-1RAFM-1	6500
4x1	S-4-1RAFM-1	6600
4x2	S-4-1RAFM-2	6600
6x2	S-6-1RAFM-2	5300
6x4	S-6-1RAFM-4	5300
8x2	S-8-1RAFM-2	4900
8x4	S-8-1RAFM-4	4900
8x6	S-8-1RAFM-6	4900
12x4	S-12-1RAFM-4	4600
12x6	S-12-1RAFM-6	4600
12x8	S-12-1RAFM-8	4600
16x4	S-16-1RAFM-4	4400
16x6	S-16-1RAFM-6	4400

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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045
Size	Part#	MAWP at 100°F (psig)
16x8	S-16-1RAFM-8	4400
16x12	S-16-1RAFM-12	4400
2x1	S-2-1-1RBMF-1	6500
4x2	S-4-1-1RBMF-2	5500
6x2	S-6-1-1RBMF-2	7600
6x4	S-6-1-1RBMF-4	6600
8x2	S-8-1-1RBMF-2	7600
8x4	S-8-1-1RBMF-4	7600
8x6	S-8-1-1RBMF-6	5300
12x4	S-12-1-1RBMF-4	7600
12x6	S-12-1-1RBMF-6	7600
12x8	S-12-1-1RBMF-8	4900
16x4	S-16-1-1RBMF-4	7600
16x6	S-16-1-1RBMF-6	7600
16x8	S-16-1-1RBMF-8	7600
16x12	S-16-1-1RBMF-12	4600
2	S-2-3FFF	6600
4	S-4-3FFF	5900
6	S-6-3FFF	4400
8	S-8-3FFF	3000
12	S-12-3FFF	3400
16	S-16-3FFF	2500
2	S-2-2FF-2	6600
4	S-4-2FF-4	5900
6	S-6-2FF-6	4400
8	S-8-2FF-8	3000
12	S-12-2FF-12	3400
16	S-16-2FF-16	2500
2	S-2-2FM-2	6600
4	S-4-2FM-4	5900
6	S-6-2FM-6	4400
8	S-8-2FM-8	3000
12	S-12-2FM-12	3400
16	S-16-2FM-16	2500
2	S-2-2FMR-2	6600
4	S-4-2FMR-4	5900
6	S-6-2FMR-6	4400
8	S-8-2FMR-8	3000

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PRESSURE-TEMPERATURE RATINGS CONTINUED (NOTE 3)

Material of Construction:		Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045
Size	Part#	MAWP at 100°F (psig)
12	S-12-2FMR-12	3400
16	S-16-2FMR-16	2500
2	S-2-2MM-2	6600
4	S-4-2MM-4	5900
6	S-6-2MM-6	4400
8	S-8-2MM-8	3000
12	S-12-2MM-12	3400
16	S-16-2MM-16	2500
2	S-2-3FFM-2	6600
4	S-4-3FFM-4	5900
6	S-6-3FFM-6	4400
8	S-8-3FFM-8	3000
12	S-12-3FFM-12	3400
16	S-16-3FFM-16	2500
2	S-2-3FMF-2	6600
4	S-4-3FMF-4	5900
6	S-6-3FMF-6	4400
8	S-8-3FMF-8	3000
12	S-12-3FMF-12	3400
16	S-16-3FMF-16	2500
2	S-2-3MMM	6600
4	S-4-3MMM	5900
6	S-6-3MMM	4400
8	S-8-3MMM	3000
12	S-12-3MMM	3400
16	S-16-3MMM	2500
4	S-4-4FPCR	5900
8	S-8-4FPCR	3000
1	S-1-1MPP	7600
2	S-2-1MPP	7600
4	S-4-1MPP	7600
6	S-6-1MPP	7600
8	S-8-1MPP	7600
12	S-12-1MPP	7300
16	S-16-1MPP	5300



NOTES

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used. Under the ASME B31.3 code the materials have the following MDMT values.

Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L: MDMT = -425°F

Brass: ASTM B16-C36000 (Unlisted Material), ASTM B283-C37700 = -325°F

Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141 (Unlisted Material): MDMT = -20°F

Note 3: When used at elevated temperatures the following pressure Derating Factors apply.

Stainless Steel: ASTM A479-316/316L, ASTM A182-F316/316L

Temperature (°F)	Derating Factor
100	1.000
200	1.000
300	1.000
400	0.965
500	0.895
600	0.850
650	0.830
700	0.815
750	0.805
800	0.795
850	0.785
900	0.775
950	0.770
1000	0.765

Example:

Part # 1-1HN constructed from stainless steel has a pressure rating at 100°F equal to 7,600 psig. To determine the fitting pressure ratings at 500°F locate the Derating Factor for stainless steel from the charts. This factor is determined to be 0.895.

Therefore, the pressure rating of Part # 1-1HN at 500°F is equal to $7,600 \times 0.895 = 6,802$ psig.

Brass: ASTM B16-C36000, ASTM B283-C37700

Temperature (°F)	Derating Factor
100	1.000
150	0.940
200	0.900
250	0.870
300	0.830
350	0.750
400	0.200

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NOTES CONTINUED

Steel: ASTM A105, ASTM A108 Grade 12L14, 1137, 1141, 1045

Temperature (°F)	Derating Factor
100	1.000
200	1.000
250	1.000

Note 4: When used under the ASME B31.1 code ASTM B283-C37700 is limited to 200°F maximum.

Note 5: See Attached ISO certificate for applicable manufacturing locations.

QUALITY MANAGEMENT SYSTEM CERTIFICATE

This certifies that the quality system of

Tylok International, Inc.

26000 Lakeland Boulevard, Euclid, OH 44132, USA

is registered by IAPMO SCB in recognition of a
Quality Management System, which fulfills the requirements of

ISO 9001:2015

Scope of Registration

Design and manufacture fittings, valves, and other fluid system components related to
tube, pipe, and hose for domestic and global partners.

Certificate No: 1117996

Certificate Decision/Re-Issue Date: 06/04/2024

Certificate Issue Date: 07/02/2024

Certificate Expiry: 07/01/2027

Site Structure: Multiple Sites



SHIRLEY DEWI, SR. VICE PRESIDENT OF
MANAGEMENT SYSTEM REGISTRATION SERVICES

909.230.5526 | WWW.IAPMOSCB.ORG
5001 E. PHILADELPHIA ST, ONTARIO, CA 91761-2816



QUALITY MANAGEMENT SYSTEM CERTIFICATE

Appendix to Certificate No: 1117996

Includes Facilities Located At (Multiple Sites):

Central Function: Tylok International, Inc.

26000 Lakeland Boulevard, Euclid, OH 44132, USA

Scope of Registration: *Company headquarters with management responsibility and authority for the Quality Management System, administration, strategic planning, strategic sourcing, continual improvement, communication processes, resource allocation, and training & development. Support activities at this location include quoting & ordering, customer & technical servicing, procuring, scheduling, designing, and product support engineering for Tylok products.*

Site #1: Tylok International, Inc.

26260 Lakeland Boulevard, Euclid, OH, 44132 USA

Scope of Registration: *The primary activities at this location include component manufacturing of Tylok products.*

Site #2: Tylok International, Inc.

1055 East 260th Street, Euclid, OH, 44132 USA

Scope of Registration: *Storage of yard equipment.*

Site #3: Tylok International, Inc.

1061 East 260th Street, Euclid, OH, 44132 USA

Scope of Registration: *The primary activities at this location include receiving, assembling, stocking, and distributing Tylok products.*

Site #4: Tylok International, Inc.

1071-1081 East 260th Street, Euclid, OH, 44132 USA

Scope of Registration: *The primary activities at this location include component manufacturing of Tylok products.*

Certificate Decision/Re-Issue Date:	06/04/2024
Certificate Issue Date:	07/02/2024
Certificate Expiry:	07/01/2027
Site Structure:	Multiple Sites