

TYPE APPROVAL CERTIFICATE

N°VPC-ISO10380-TC-TFL-004-JPN Rev.1

Bureau Veritas Japan, acting as third party inspection body, attests that the design type of an item of corrugated metal hose and hose assemblies identified hereunder has been examined against ISO 10380: 2012 and found to satisfy the provisions of the standard which apply to

TOFLE CO..INC. Manufacturer (name):

TOFLE CO.,INC ./ 1-6-16, Honmachi, Chuo-ku, Osaka, Japan

TOFLE OMEGA FLEX CO., INC. /

886-1, Kawakami Aza Shiragami, Hagi city, Yamaguchi, 758-

0141 Japan.

MITSUWA WELDTECH CO.,INC ./

179-1, Chishirocho, Moriyama, Shiga 524-0034 JAPAN,

Trading Name - Mark TOFLE CO., INC.

Equipment description: Corrugated metal hoses and hose assemblies (see Annex)

Identification of the approved design type(s) See annex

Versions covered by the approved design type(s) (where applicable) N/A initial

Initial (Type SA-SD (3)) Conditions for validity

This certificate, which is valid for 5 years and renewable upon request, is valid, unless changes in the state of the art can challenge the approved design type, until (dd/mm/yyyy): 01/10/2030

This certificate shall be deemed to be void and the manufacturer shall alone bear any consequences pursuant to its use, in case of modification on design type of the equipment or changes in the state of the art, where this may affect conformity with the requirements of the standard or the prescribed conditions for use of the equipment, and generally where the manufacturer fails in particular to comply with any of his obligations under ISO 10380 and Certification Condition which Manufacturer and Bureau Veritas agreed.

Other information (where applicable)

Type Approval Test was conducted at TOFLE OMEGA FLEX for Type SA-SD (3)

TCF No.5

For the activity carried out for the issuance of the present certificate, Bureau Veritas Japan took as reference the following manufacturer's

technical book

Address:

Existence of an annex to the Type approval ceritifcate N/A

Free text/ référence du document

Date of examination (dd/mm/yyyy): 29/09-01/10/2025 Surveyor: Keijiro.Miyazono

Made at	On (dd/mm/yyyy)	Approved and Recorded in	Signed by	Signature
Yokohama	02/10/2025	JAPAN	Kiejiro Miyazono	Km

This certificate is subject to the terms of Bureau Veritas General Conditions of Service attached to the agreement signed by the applicant. The present document shall not be reproduced, except in full, without Bureau Veritas Japan and Client's approval.

Initial This revision supersedes certifcate

Revision: VPC-ISO10380-TC-TFL-004-JPN Rev.0

Chr:



N°VPC-ISO10380-TC-TFL-004-JPN Rev.1

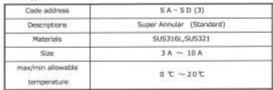
List of the relevant parts of the technical documentation

Test Reports :No.D-4652

Drawings: VNW800088-B, VNW800089-B, VNW800090-B, VNW800091-B,

corrugated metal hose certified to ISO10380

Tube Type





TOFLE TOFLE CO., INC.

Applicable product and Fittings Type

		DN	3A	4A	5A	6A	8A	10A
		PN (har)	20.0 bar	20.0 ber	20.0 bar	10.0 bar	10.0 bar	10.0 bar
Number of form Code address			0	0	0	0	0	0
sketch								

※ ○ : corrugated metal hose certified to ISO10380

TS / (30°Cに対する経滅定数)	34	4A	5A	6A	A8	10A
20°C 1	20.0 bar	20.0 bar	20.0 bar	10.0 bar	10.0 bar	10.0 bar

最小曲げ平径(mm)	3A	4A	3/4	6A	8A.	10A	
固定	20	20	20	15	20	30	
接張し	60	60	60	80	60	100	

List of the versions covered (where applicable)



N/A

Annex to the Certificate

N°VPC-ISO10380-TC-TFL-004-JPN Rev.1

TCF No.5