

Certification Protocol



BNQ 3221-900/2013

Ductile-Iron Pipe and Compact Fittings, and Gray-Iron or Ductile-Iron Castings for Civil Engineering Works – Certification Protocol



This page has intentionally been left empty.

BNQ 3221-900/2013

Ductile-Iron Pipe and Compact Fittings, and Gray-Iron or Ductile-Iron Castings for Civil Engineering Works – Certification Protocol

Tuyaux et raccords compacts en fonte ductile et pièces moulées en fonte grise ou en fonte ductile pour travaux de génie civil – Protocole de certification

ICS: 03.120.20; 23.040.10; 23.040.99; 77.140.80

REQUEST FOR INFORMATION AND PURCHASE

Any request for information or purchase of this document may be sent to the Bureau de normalisation du Québec (BNQ) at 333, rue Franquet, Québec, Québec G1P 4C7
[telephone: 418-652-2238, ext. 2437 or 1-800-386-5114; fax: 418-652-2292;
E-mail: bnqinfo@bnq.qc.ca; Web Site: www.bnq.qc.ca].

REVISION OF BNQ DOCUMENTS

Collaboration from BNQ document users is essential in keeping our documents up to date. Therefore, any suggestion aimed at improving their contents will be appreciated. We ask you to send us your suggestions or comments on the form at the end of this document.

FIRST EDITION — 2013-10-03

This document is published in both French and English. In case of incompatibility, the French version prevails.

The electronic or printed version of this document is for personal use only. Distribution to third parties, partners or clients, as well as saving, distribution or use on a computer network is forbidden without written agreement from the BNQ.

Only purchasers duly registered with BNQ Customer Service will receive document updates. Notifications and the catalogue may be consulted at all times on the BNQ Web site [www.bnq.qc.ca] to verify if a more recent version of a document exists or if amendments or errata have been published.

If a registered purchaser wishes to continue to receive updates, the purchaser must inform BNQ Customer Service of any change of address as soon as possible.

© BNQ, 2013

All rights reserved. Unless otherwise specified, no part of this document may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilming, without written permission from the BNQ.

ISBN 978-2-551-25437-8 (printed version)
ISBN 978-2-551-25438-5 (PDF)

Legal deposit — Bibliothèque et Archives
nationales du Québec, 2013

FOREWORD

This document was prepared in consultation with a Certification Protocol Development Committee, whose members were:

BEAUDOIN, Pierre L.	Fonderie Laperle, div. des Fonderies Bibby Sainte-Croix inc.
DANIS, Isabelle	Mueller Canada inc.
DE AGOSTINIS, Normand	Association de recherche sur les tuyaux en fonte ductile (DIPRA)
DUCHESNEAU, Guillaume	Ville de Québec
LAROCHE, Jean-François	Fonderie Laroche ltée
MEILLEUR, Alexandre	Association des ingénieurs municipaux du Québec (AIMQ)
PHARAND, Jacques	Ville de Montréal
RAMIREZ-ORTEGA, Marjorie	Ministère des Transports du Québec (MTQ)
ST-LAURENT, Serge	Tuyauteries Canada ltée
HOUDE, Benoit (Project Leader)	Bureau de normalisation du Québec (BNQ)

This page has intentionally been left empty.

CONTENTS

		Page
1	PURPOSE	1
2	NORMATIVE REFERENCES	1
3	DEFINITIONS	2
4	CERTIFICATION PROGRAM REQUIREMENTS	3
5	CERTIFICATION RULES OF PROCEDURE	4
	5.1 GENERAL RULES OF PROCEDURE	4
	5.2 APPLICATION FOR CERTIFICATION	4
	5.3 EXAMINATION OF THE MANUFACTURER'S DOCUMENTS	5
	5.4 INSPECTION VISIT LEADING TO CERTIFICATION	5
	5.5 DECISION ON CERTIFICATION AND ISSUING OF THE CERTIFICATE OF CONFORMITY	5
	5.6 CONDITIONS FOR MAINTAINING THE CERTIFICATE OF CONFORMITY	5
	5.7 PERIODIC INSPECTION VISITS	6
	5.8 RENEWAL OF THE CERTIFICATE OF CONFORMITY	6
	5.9 ADDITIONS TO THE SCOPE OF THE CERTIFICATE OF CONFORMITY	6
6	PRODUCT ATTESTATION PROCEDURES	6
7	MARKING	6
	7.1 GENERAL REQUIREMENTS	6
	7.2 SPECIFIC REQUIREMENTS	6
	7.3 MARK OF CONFORMITY	7
ANNEXE A —	INFORMATIVE REFERENCE	8

This page has intentionally been left empty.

**DUCTILE-IRON PIPE AND COMPACT FITTINGS,
AND GRAY-IRON OR DUCTILE-IRON CASTINGS FOR CIVIL
ENGINEERING WORKS — CERTIFICATION PROTOCOL**

1 **PURPOSE**

The purpose of this document is intended to establish a certification protocol for ductile-iron pipe and compact fittings, and gray-iron or ductile-iron castings (manhole frames, grates, covers, cesspool traps and valve boxes) for civil engineering works, according to the requirements of Standards AWWA C153, NQ 3221-500 and NQ 3623-085.

NOTE — Standard AWWA C153 on ductile-iron compact fittings is only published in English. Standard NQ 3221-500 on gray-iron or ductile-iron castings (manhole frames, grates, covers, cesspool traps and valve boxes) for civil engineering works is only published in French. Standard NQ 3623-085 on ductile-iron pipe for water pressure piping systems is published in both French and English. In case of incompatibility, the French version prevails.

This document is for manufacturers seeking to have the conformity of their products recognized by the Bureau de normalisation du Québec (BNQ).

It is important to note that at the time of publication of this protocol, the document *Certification Requirements AWWA C153* is not published. It is only when the document will be published that BNQ's Certification Program AWWA C153 may be offered. Please contact the BNQ customer service to learn about the publication date of the document.

2 **NORMATIVE REFERENCES**

In this document, a dated normative reference means that this specific edition shall be used, while a non-dated normative reference means that the last edition of this reference shall be used.