



**Bureau de normalisation  
du Québec**

BNQ is a member of the National  
Standards System (NSS).

# ANNEX TO THE CERTIFICATE

## DECAST LTD.

8807 Simcoe Road #56  
Utopia, Ontario L0M 1T0

**C301/2019-10-28**

*Standard for Prestressed Concrete Pressure Pipe, Steel-  
Cylinder Type*

Page 1 of 5

Certificate number: **946**

Issue date: **2025-06-27**

Expiry date: **2027-06-30**

PRESTRESSED CONCRETE PRESSURE PIPE WITH STEEL LINED CYLINDER (type 1, LCP)		
NOMINAL DIAMETER (mm)	CLASS*	MAXIMUM INTERNAL WORKING PRESSURE (kPa)*
400	18	1240
	20	1380
	22	1515
	24	1655
	26	1790
	28	1930
450	16	1105
	18	1240
	20	1380
	22	1515
	24	1655
	26	1790
600	28	1930
	12	825
	14	965
	16	1105
	18	1240
	20	1380
	22	1515
	24	1655
750	26	1790
	28	1930
	10	690
	12	825
	14	965
	16	1105
	18	1240
	20	1380
	22	1515
	24	1655
	26	1790
	28	1930

\* This table shows the pipe usual characteristics. Design data, drawings and design responsibility shall be considered in the fabrication process, as required by Clause 4.2 of the ANSI/AWWA C301 Standard.

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Page 2 of 5

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PRESTRESSED CONCRETE PRESSURE PIPE WITH STEEL LINED CYLINDER (type 1, LCP) (concluded)		
NOMINAL DIAMETER (mm)	CLASS*	MAXIMUM INTERNAL WORKING PRESSURE (kPa)*
900	8	550
	10	690
	12	825
	14	965
	16	1105
	18	1240
	20	1380
	22	1515
	24	1655
1050	26	1790
	8	550
	10	690
	12	825
	14	965
	16	1105
	18	1240
	20	1380
	22	1515
1200	24	1655
	6	415
	8	550
	10	690
	12	825
	14	965
	16	1105
	18	1240
	20	1380
	22	1515

\* This table shows the pipe usual characteristics. Design data, drawings and design responsibility shall be considered in the fabrication process, as required by Clause 4.2 of the ANSI/AWWA C301 Standard.

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Page 3 of 5

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**PRESTRESSED CONCRETE PRESSURE PIPE WITH STEEL LINED CYLINDER (type 1, LCP) (concluded)**

NOMINAL DIAMETER (mm)	CLASS*	MAXIMUM INTERNAL WORKING PRESSURE (kPa)*
1350	6	415
	8	550
	10	690
	12	825
	14	965
	16	1105
	18	1240
1500	20	1380
	6	415
	8	550
	10	690
	12	825
	14	965
	16	1105
	18	1240

\* This table shows the pipe usual characteristics. Design data, drawings and design responsibility shall be considered in the fabrication process, as required by Clause 4.2 of the ANSI/AWWA C301 Standard.

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Page 4 of 5

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PRESTRESSED CONCRETE PRESSURE PIPE WITH STEEL EMBEDDED CYLINDER (type 2, ECP)		
NOMINAL DIAMETER (mm)	CLASS*	MAXIMUM INTERNAL WORKING PRESSURE (kPa)*
1650	6	415
	8	550
	10	690
	12	825
	14	965
	16	1105
	18	1240
	20	1380
	22	1515
1800	24	1655
	6	415
	8	550
	10	690
	12	825
	14	965
	16	1105
	18	1240
	20	1380
2100	22	1515
	6	415
	8	550
	10	690
	12	825
	14	965
	16	1105
	18	1240
2400	20	1380
	6	415
	8	550
	10	690
	12	825
	14	965
	16	1105
	18	1240
	20	1380

\* This table shows the pipe usual characteristics. Design data, drawings and design responsibility shall be considered in the fabrication process, as required by Clause 4.2 of the ANSI/AWWA C301 Standard.

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Page 5 of 5

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### HISTORY

Date	Modification description
2015-07-10	Renewal of certificate.
2016-02-22	Modification of the business name.
2016-07-05	Update to ANSI/AWWA C301/2014-01-19.
2017-06-20	Renewal of certificate.
2019-06-26	Renewal of certificate.
2021-07-07	Renewal of certificate.
2022-08-03	Update to ANSI/AWWA C301/2019-10-28.
2023-06-28	Addition of 2 400 mm ECP pipes. Renewal of certificate.
2025-06-27	Renewal of certificate.

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