

Reinforced Concrete Pipe

CIRBSA™ RCP

Reinforced Concrete Pipe

48" Class III RCP

Product Description

48" Class III Reinforced Concrete Pipe for use in concrete culverts, storm drains and sewers. O-ring watertight-gasketed joint, type-B wall.

Product standard ■ ASTM C76 ■ ASTM C497

General

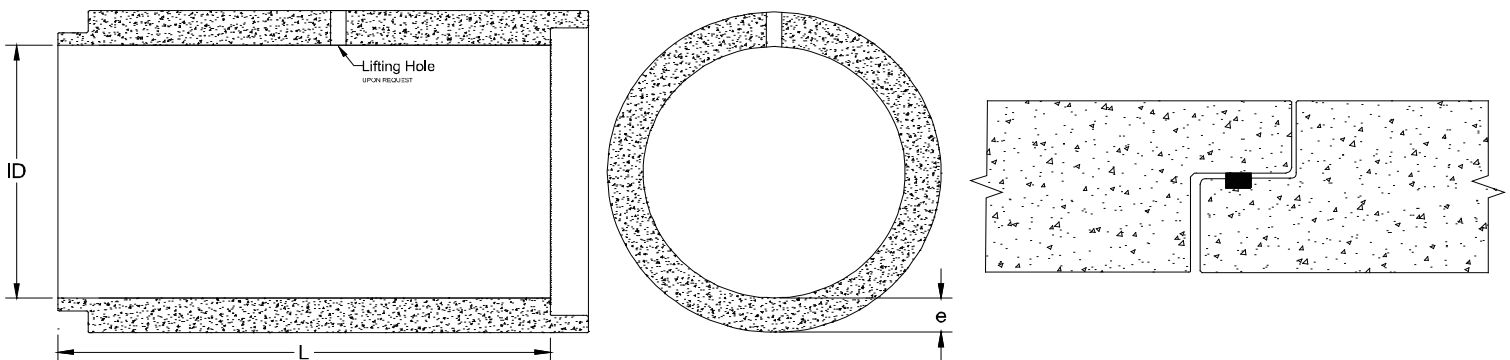
Applications ■ Storm Drainage ■ Road and Highway
 ■ Sewer ■ Industrial

Effective Length ■ 8.0 ft. (2.5m) ± 1%

Raw Materials		Typical Value (Imperial)	Typical Value (SI)	Test Method
Cement		Portland CPC 40RS	Portland CPC 40RS	ASTM C-150
Fly Ash		ASTM C-618	ASTM C-618	ASTM C-618
Aggregates		< 3/16" in	< 4.75 mm	ASTM C-33
Aggregates		1/4" - 3/4" in	6.35 - 19.05 mm	ASTM C-33
Aggregates		1/4" - 3/8" in	9.5 - 6.35 mm	ASTM C-33
Steel Reinforcement	Inner Cage	0.24 in ² /ft	5.1 cm ² /m	ASTM A-496/497/615/706
Steel Reinforcement	Outer Cage	0.14 in ² /ft	3.8 cm ² /m	ASTM A-496/497/615/706

Physical & Mechanical Properties		Typical Value (Imperial)	Typical Value (SI)	Test Method
D-Load to produce a 0.01-in. crack		5,815 lb/ft	8,655 kg/m	ASTM C-497
D-Load to produce the ultimate load		8,353 lb/ft	12,434 kg/m	ASTM C-497
Concrete Strength		4,000 psi	280 kg _f /cm ²	ASTM C-76
ID		48 in	1,220 mm	ASTM C-497
Wall Thickness, e		5 in	127 mm	ASTM C-497
Effective length, L		8.0 ft	2.5 m	ASTM C-497
Approx. Weight		7,496 lb	3,400 kg	ASTM C-497
Lifting Hole (if requested)		3 in, max	76 mm, max	TXDOT 464.2 A

Pipe and Joint Section Detail



Disclaimer: All technical data presented in this document is for information purposes only.

60" Class III RCP

Reinforced Concrete Pipe

CIRBSA™ RCP

Reinforced Concrete Pipe

84" Class III RCP

Product Description

84" Class III Reinforced Concrete Pipe for use in concrete culverts, storm drains and sewers. O-ring watertight-gasketed joint, type-B wall.

Product standard ■ ASTM C76 ■ ASTM C497

General

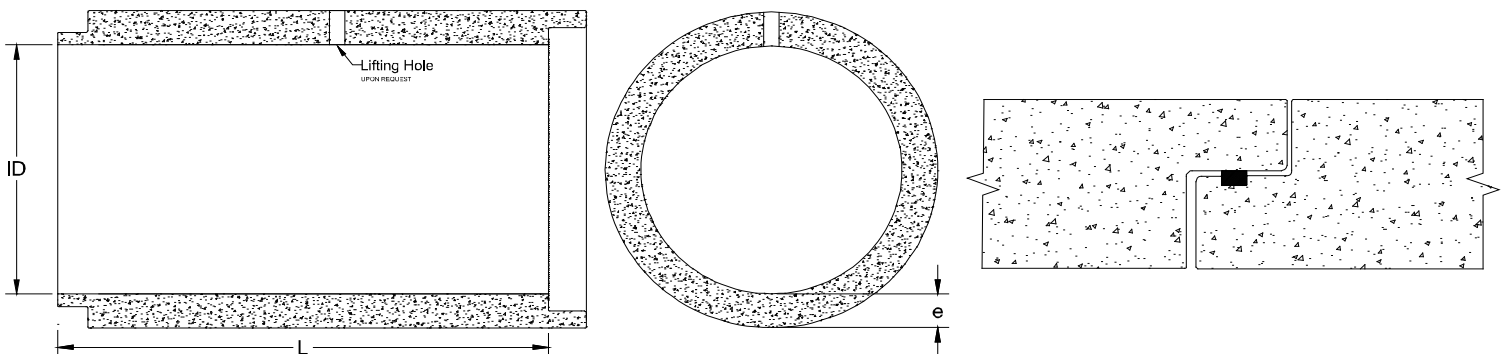
Applications ■ Storm Drainage ■ Road and Highway
 ■ Sewer ■ Industrial

Effective Length ■ 8.0 ft. (2.5m) ± 1%

Raw Materials		Typical Value (Imperial)	Typical Value (SI)	Test Method
Cement		Portland CPC 40RS	Portland CPC 40RS	ASTM C-150
Fly Ash		ASTM C-618	ASTM C-618	ASTM C-618
Aggregates		< 3/16" in	< 4.75 mm	ASTM C-33
Aggregates		1/4" - 3/4" in	6.35 - 19.05 mm	ASTM C-33
Aggregates		1/4" - 3/8" in	9.5 - 6.35 mm	ASTM C-33
Steel Reinforcement	Inner Cage	0.64 in ² /ft	14.7 cm ² /m	ASTM A-496/497/615/706
Steel Reinforcement	Outer Cage	0.38 in ² /ft	11 cm ² /m	ASTM A-496/497/615/706

Physical & Mechanical Properties		Typical Value (Imperial)	Typical Value (SI)	Test Method
D-Load to produce a 0.01-in. crack		10,179 lb/ft	15,151 kg/m	ASTM C-497
D-Load to produce the ultimate load		14,623 lb/ft	21,767 kg/m	ASTM C-497
Concrete Strength		5,000 psi	350 kg _f /cm ²	ASTM C-76
ID		84 in	2,130 mm	ASTM C-497
Wall Thickness, e		8 in	203 mm	ASTM C-497
Effective length, L		8.0 ft	2.5 m	ASTM C-497
Approx. Weight		21,098 lb	9,570 kg	ASTM C-497
Lifting Hole (if requested)		3 in, max	76 mm, max	TXDOT 464.2 A

Pipe and Joint Section Detail



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