



## ▶ AWWA C-900 WATER DISTRIBUTION PIPE | Pipe Specifications

Northern Pipe Products PVC AWWA C-900 PVC Pressure Pipe is manufactured from compounds conforming to cell classification of 12454 as defined in ASTM D-1784. The pipe meets the requirements of the AWWA C-900 standard specification for polyvinyl chloride water distribution pipe. The integral bell joint system meets the requirements of ASTM D-3139 and utilizes an elastomeric seal meeting the specification defined in ASTM F-477. Northern Pipe Products AWWA C-900 Pressure Pipe for potable water carries the NSF Standard 14, the Canadian Standards Association Standard B-137.3, and the Underwriters Laboratories Inc. Standard 1285 marks of acceptance. The AWWA C-900 DR-18 and DR-14 pipe also carry the Factory Mutual Research Water Distribution Pipe for Underground Fire Protection Service mark of acceptance. The pipe is furnished in 20' laying lengths.

## ▶ AWWA C-900 | Cell Classification 12454

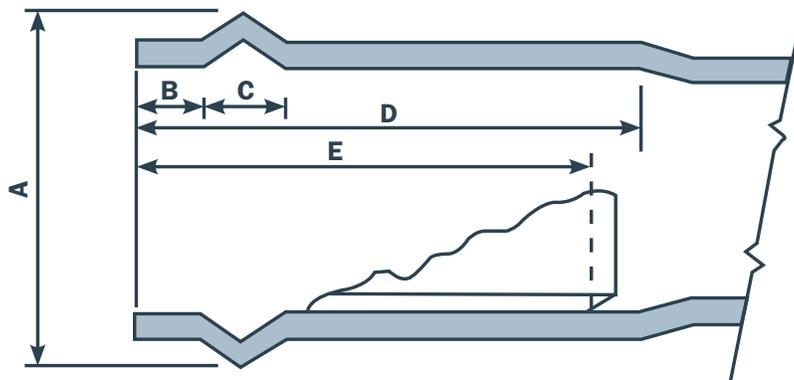
NOMINAL PIPE SIZE (IN.)	PIPE OUTSIDE DIAMETER (IN.)	DR-25 (165 PSI)		DR-18 (235 PSI)		DR-14 (305 PSI)	
		MINIMUM WALL (IN.)	POUNDS PER FOOT	MINIMUM WALL (IN.)	POUNDS PER FOOT	MINIMUM WALL (IN.)	POUNDS PER FOOT
4"	4.80"	.192"	1.87 lbs.	.267"	2.55 lbs.	.343"	3.22 lbs.
6"	6.90"	.276"	3.90 lbs.	.383"	5.29 lbs.	.493"	6.70 lbs.
8"	9.05"	.362"	6.69 lbs.	.503"	9.15 lbs.	.646"	11.55 lbs.
10"	11.10"	.444"	10.11 lbs.	.617"	13.82 lbs.	.793"	17.46 lbs.
12"	13.20"	.528"	14.32 lbs.	.733"	19.56 lbs.	.943"	24.75 lbs.



## ▶ AWWA C-900 WATER DISTRIBUTION PIPE | Gasketed Joint Specifications

Northern Pipe Products PVC gasketed AWWA C-900 PVC potable water distribution pipe is manufactured with gasketed joints conforming to the specifications of ASTM D-3139. The gaskets are manufactured to conform to the requirements of ASTM F-477. Northern Pipe Products employs the Rieber Gasket System. The Rieber joining system is a factory made “locked-in” flexible elastomeric seal. The gasket is installed in the bell race during the manufacture of the joint. It should not be removed for any reason, as destruction of the joint will occur.

### ▶ LOCKED-IN GASKET JOINT



- A.** Gasket Groove (Race) Outside Diameter
- B.** Lip Length
- C.** Gasket Groove (Race) Length
- D.** Overall Joint
- E.** Spigot Insertion Depth

NOMINAL PIPE SIZE (IN.)	DIMENSIONS (IN.)				
	(A) GASKET GROOVE (RACE) OUTSIDE DIAMETER	(B) LIP LENGTH	(C) GASKET GROOVE (RACE) LENGTH	(D) OVERALL JOINT	(E) SPIGOT INSERTION DEPTH
4"	6.50"	1.500"	1.125"	6.000"	5.000"
6"	9.00"	1.750"	1.250"	6.500"	5.500"
8"	11.50"	2.000"	1.500"	7.500"	6.500"
10"	14.00"	2.500"	1.750"	8.750"	7.750"
12"	16.50"	3.000"	1.875"	9.750"	8.750"



## ▶ AWWA C-905 WATER TRANSMISSION PIPE | Pipe Specifications

Northern Pipe Products PVC AWWA C-905 PVC Water Transmission Pipe is manufactured from compounds conforming to cell classification of 12454 as defined in ASTM D-1784. The pipe meets the requirements of the AWWA C-905 standard specification for polyvinyl chloride water transmission pipe. The integral bell joint system meets the requirements of ASTM D-3139 and utilizes an elastomeric seal meeting the specification defined in ASTM F-477. Northern Pipe Products AWWA C-905 Pressure Pipe for potable water carries the NSF Standard 14, the Canadian Standards Association Standard B-137.3, and the Underwriters Laboratories Inc. Standard 1285 marks of acceptance. The 14" and 16" diameter DR-25 and DR-18 also carry the Factory Mutual Research Water Distribution Pipe for Underground Fire Protection Service mark of acceptance. The pipe is furnished in 20' laying lengths.

## ▶ AWWA C-905 | Cell Classification 12454

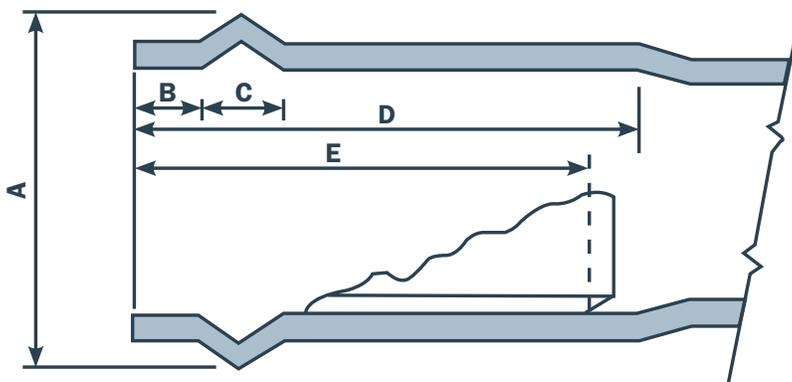
NOMINAL PIPE SIZE (IN.)	PIPE OUTSIDE DIAMETER (IN.)	DR-25 (165 PSI)		DR-21 (200 PSI)		DR-18 (235 PSI)	
		MINIMUM WALL (IN.)	POUNDS PER FOOT	MINIMUM WALL (IN.)	POUNDS PER FOOT	MINIMUM WALL (IN.)	POUNDS PER FOOT
14"	15.30"	.612"	19.35 lbs.	.729"	22.90 lbs.	.850"	26.50 lbs.
16"	17.40"	.696"	25.20 lbs.	.829"	29.70 lbs.	.967"	34.50 lbs.
18"	19.50"	.780"	31.65 lbs.	.929"	37.50 lbs.	1.083"	43.40 lbs.
20"	21.60"	.864"	39.00 lbs.	1.029"	46.10 lbs.	1.200"	53.50 lbs.
24"	25.80"	1.032"	56.00 lbs.	1.229"	65.60 lbs.	1.433"	76.50 lbs.



## ▶ AWWA C-905 WATER TRANSMISSION PIPE | Gasketed Joint Specifications

Northern Pipe Products PVC gasketed AWWA C-905 PVC water transmission pipe is manufactured with gasketed joints conforming to the specifications of ASTM D-3139. The rubber gaskets are manufactured to conform to the requirements of ASTM F-477. Northern Pipe Products employs the Rieber Gasket System. The Rieber joining system is a factory made “locked-in” flexible elastomeric seal. The gasket is installed in the bell race during the manufacture of the joint. It should not be removed for any reason, as destruction of the joint will occur.

### ▶ LOCKED-IN GASKET JOINT



- A.** Gasket Groove (Race) Outside Diameter
- B.** Lip Length
- C.** Gasket Groove (Race) Length
- D.** Overall Joint
- E.** Spigot Insertion Depth

NOMINAL PIPE SIZE (IN.)	DIMENSIONS (IN.)				
	(A) GASKET GROOVE (RACE) OUTSIDE DIAMETER	(B) LIP LENGTH	(C) GASKET GROOVE (RACE) LENGTH	(D) OVERALL JOINT	(E) SPIGOT INSERTION DEPTH
14"	18.25"	3.00"	2.00"	10.00"	9.00"
16"	20.50"	3.00"	2.25"	10.00"	9.00"
18"	23.25"	3.50"	2.44"	11.25"	10.25"
20"	25.60"	3.50"	2.70"	11.25"	10.25"
24"	30.25"	3.50"	3.00"	11.25"	10.25"



► **C-900/C-905** | Truckload Data

NOMINAL PIPE SIZE (IN.)	PIPE OUTSIDE DIAMETER (IN.)	FEET PER PALLET	PIECES PER PALLET	FEET PER TRUCKLOAD
4"	4.80"	580'	29 pcs.	16,240'
6"	6.90"	560'	28 pcs.	6,720'
8"	9.05"	200'	10 pcs.	4,000'
10"	11.10"	240'	12 pcs.	2,880'
12"	13.20"	120'/160'	6 pcs./8 pcs.	1,960'
14"	15.30"	120'	6 pcs.	1,440'
16"	17.40"	40'/60'	2 pcs./3 pcs.	1,000'
18"	19.50"	60'/80'	3 pcs./4 pcs.	800'
20"	21.60"	80'	4 pcs.	640'
24"	25.80"	60'	3 pcs.	360'