

Large Diameter PVC Water & Sewer Pipe – 30" & 36"

Big Pipe Big Benefits

Large Diameter PVC Pipe Systems Offer:

- Corrosion and Abrasion Resistance for Long Service Life
- High Resistance to Attack from Chemicals Typically Found in Water and Sewer Systems
- Hydraulic Efficiency for Optimal Fluid Transmission
- Durability and High Impact Resistance
- Leak-Free Joints for Low Maintenance
- High Strength to Weight Ratio
- Relatively Lightweight for Easy Installation
- Cost Effectiveness

AWWA C905 - DR18, DR25, DR32.5, DR41
ASTM F679 - PS46, PS115



Large Diameter PVC Water & Sewer Pipe – 30" & 36"

C905 CIOD Water Pipe

Short Form Specifications:

Royal Municipal Solutions Gasketed Pressure Pipe shall be manufactured with nominal sizes of 30" and 36" to CIOD dimensions. Dimension Ratios (DR) 18, 25, 32.5 and 41 shall meet the requirements of AWWA C905, Polyvinyl Chloride (PVC) Pressure Pipe and Fittings and be certified to NSF-14.



Size	DR18	DR25	DR32.5	DR41
30"	◇	●	◇	◇
36"	n/a	●	◇	◇

● Stock
◇ MTO

F679 PS46 and PS115 Sewer Pipe

Short Form Specifications:

Royal Municipal Solutions Gasketed Sewer Pipe shall be manufactured with nominal sizes of 30" and 36" to CIOD dimensions. Pipe Stiffness 46 psi and 115 psi shall meet the requirements of ASTM F679, Type PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings and be certified to NSF-14.



Size	PS46	PS115
30"	●	●
36"	●	●

● Stock
◇ MTO

Gasketed AWWA C905 CIOD Pressure Pipe

Technical Specifications for 30" & 36"

C905 Pressure Specification Data

Royal Municipal Solutions Gasketed Pressure Pipe shall be manufactured with nominal sizes of 30" and 36" with Dimension Ratios (DR) 18, 25, 32.5 or 41. Manufactured to meet the requirements of AWWA C905 and is certified to NSF-14.

The PVC material used in the manufacture of our pipe meets the physical properties of PVC cell class 12454 as specified in ASTM D1784.

Elastomeric gasket joints made for pipe meet or exceed the requirements of ASTM D3139. The steel-reinforced Double Seal Locked-In Rieber gaskets conform to the requirements of ASTM F477.

Pipe Markings are as specified in AWWA C905 and NSF-14.



Physical Properties of Cell Class 12454

Materials:

Pipe shall be made of PVC plastic having a cell classification of 12454 as defined in ASTM D1784.

Property:	ASTM Test	Minimum
Tensile Strength, psi	D638	7,000
Tensile Modulus, psi	D638	400,000
IZOD Impact Strength	D256	.65ft-lbf/in.
Deflection Temperature	D648	158°F

Pressure Ratings

Pipe	Psi
DR18	235
DR25	165
DR32.5	125
DR41	100

Standard lay length is 20 feet



Gasketed AWWA C905 CIOD Pressure Pipe

Technical Specifications for 30" & 36"

Gaskets

The pipe utilizes a Double Seal Locked-In Rieber gasket system (DSLII) design which meets the requirements of ASTM D3139, *Standard Specifications for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals*.

The gaskets are reinforced with a steel band and conform to the requirements of ASTM F477: *Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe*.



Nominal Pipe Size Inches	Average Outside Diameter Inches	Min Wall Thickness DR18 235 psi Inches	Min Wall Thickness DR25 165 psi Inches	Min Wall Thickness DR32.5 125 psi Inches	Min Wall Thickness DR41 100 psi Inches	Average Bell Depth Inches	Insert Mark Line Inches
30	32.000	1.778	1.280	0.985	0.780	14.775	14.075
36	38.300	n/a	1.532	1.178	0.934	15.825	15.075

SHORT FORM Specifications for Gasketed DR18, DR25, DR32.5 or DR41 Pressure Pipe

Royal Municipal Solutions Gasketed Pressure Pipe shall be manufactured with nominal sizes of 30" and 36" to CIOD dimensions. Dimension Ratios (DR) 18, 25, 32.5 and 41 shall meet the requirements of AWWA C905 Polyvinyl Chloride (PVC) Pressure Pipe and Fittings and be certified to NSF-14.

Gasketed PS46 and PS115 Sewer Pipe

Technical Specifications for 30" & 36"

F679

Sewer Specification Data

Royal Municipal Solutions Gasketed Sewer Pipe shall be manufactured with nominal sizes of 30" and 36" to CIOD dimensions. Pipe Stiffness of 46 psi and 115 psi meet the requirements of ASTM F679 and are certified to NSF-14.

The PVC material used in our pipe meets the physical properties of PVC cell class 12364 as specified in ASTM D1784.

Elastomeric gasketed joints made for pipe meet or exceed the requirements of ASTM D3212, with internal hydrostatic pressure tested to 10.8 psi. The steel-reinforced Double Seal Locked-In Rieber gaskets conform to the requirements of ASTM F477.

Pipe Markings are as specified in ASTM F679 and NSF-14.

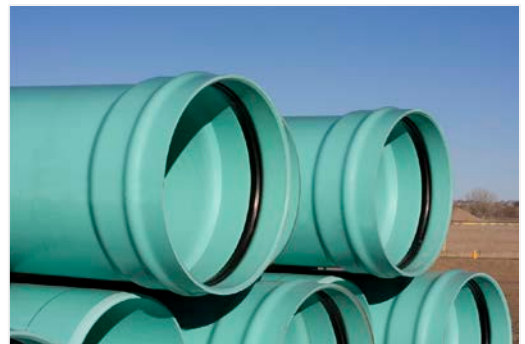


Physical Properties of Cell Class 12364

Materials:

Pipe shall be made of PVC plastic having a cell classification of 12364 as defined in ASTM D1784.

Property:	ASTM Test	Minimum
Tensile Strength, psi	D638	6,000
Tensile Modulus, psi	D638	440,000
IZOD Impact Strength	D256	.65ft-lbf/in.
Deflection Temperature	D648	158°F



Standard lay length is 14 feet



Gasketed PS46 and PS115 Sewer Pipe

Technical Specifications for 30" & 36"

Gaskets

The pipe utilizes a Double Seal Locked-In Rieber gasket system (DSL) design which meets the requirements of ASTM D3212, *Standard Specifications for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals*.

The gaskets are reinforced with a steel band and conform to the requirements of ASTM F477: *Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe*.



Nominal Pipe Size Inches	Avg Outside Diameter Inches	Min Wall Thickness PS46 Inches	Min Wall Thickness PS115 Inches	Average Bell Depth Inches	Insert Mark Line Inches
30	32.000	0.853	1.148	14.775	14.025
36	38.300	1.021	1.373	15.825	15.075

SHORT FORM Specifications for Gasketed PS46 and PS115 Sewer Pipe

Royal Municipal Solutions Gasketed Sewer Pipe shall be manufactured with nominal sizes of 30" and 36" to CIOD dimensions. Pipe Stiffness 46 psi and 115 psi shall meet the requirements of ASTM F679, Type PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings and be certified to NSF-14.

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Loading Information

Gasketed PS 46 and PS 115 Sewer Pipe (F679)

Nominal Pipe Size	Item Number	Description	Bundle			Truck	
			Pcs	Feet	Load	Feet	Pieces
30"	5375725	DR26 HW GSK 30IN X 14FT SWR GN	3	42	6	252	18
36"	5375733	DR26 HW GSK 36IN X 14FT SWR GN	2	28	6	168	12
30"	5375776	DR35 GSK 30IN X 14FT SWR GN	3	42	6	252	18
36"	5375784	DR35 GSK 30IN X 14FT SWR GN	2	28	6	168	12

Gasketed AWWA CIOD Water Pipe (C905)*

Nominal Pipe Size	Item Number	Description	Bundle			Truck	
			Pcs	Feet	Load	Feet	Pieces
30"	5375750	C905 DR18 GSK 30IN X 20FT BL	3	60	4	240	12
30"	1468641	C905 DR25 GSK 30IN X 20FT BL	3	60	4	240	12
30"	1478874	C905 DR32.5 GSK 30IN X 20FT BL	3	60	4	240	12
30"	1468650	C905 DR41 GSK 30IN X 20FT BL	3	60	4	240	12
36"	1468676	C905 DR25 GSK 36IN X 20FT BL	2	40	4	160	8
36"	1468684	C905 DR32.5 GSK 36IN X 20FT BL	2	40	4	160	8
36"	1468692	C905 DR41 GSK 36IN X 20FT BL	2	40	4	160	8

* Also available in Green as MTO