



GASKETED SEWER FITTINGS

IPEX/LeRon Plastics/Galaxy Products/GPK

Gasketed SDR Sewer Fittings

Gasketed sewer injection molded fittings are lightweight and easy to handle. They are made from the same quality PVC compound (12454) as the gasketed SDR sewer pipe. They are available in 4" to 12" (100mm to 300mm) diameters. Gasketed sewer fittings are durable, easy-to-install and long lasting. A complete line of injection molded gasketed sewer fittings are available, including tees, wyes, bends, couplings, caps, increasers, saddles and cleanouts.

Gasketed sewer fabricated fittings are manufactured using the gasketed sewer pipe by thermoforming sections of pipe and gluing together if needed. Fabricated fittings are available in 4" to 42" (100mm to 900mm) diameters. A complete line of fabricated gasketed sewer fittings are available, including tees, wyes, bends, couplings, caps, increasers, saddles and cleanouts.

- Water tight joints mean virtually no risk of infiltration or leakage
- Corrosion and abrasion-resistant
- Smooth interior walls allow for higher flow rates
- Easy to handle and install

Gasketed Sewer Fittings conform to the following standards:



injection moulded fittings
B182.1 and/or B182.2



D3034
F679
F1336



certified to
CSA B182.2



NSF-61



GASKETED STORM SEWER FITTINGS

IPEX/Royal Pipe Systems/Galaxy Products/GPK

PVC Profile Ribbed Fittings

PVC ribbed fittings are either injection molded or fabricated from ribbed and/or SDR 35 gasketed sewer pipe. Sections of pipe are heated and belled at each end and used as the mainline to fabricate tees and wyes. They can also be cut and formed to make caps and bends. The bell ends of the fittings accept all manufactured types of PVC Ribbed pipe. Gaskets are supplied with every fitting purchased. Complete line of Ribbed sewer fittings and/or mixed gasketed bell ends are available, including tees, wyes, bends, couplings, caps, and increasers.

Injection molded PVC fittings are available in 8" (200mm) sizes.

Fabricated PVC fittings are available in 8" to 36" (200mm to 900mm) sizes.

- Can be used with all types of PVC ribbed pipe
- Water tight joints mean virtually no risk of infiltration or leakage
- Corrosion and abrasion-resistant
- Smooth interior walls allow for higher flow rates

PVC ribbed fittings conform to the following standards:



F794



certified to
CSA B182.4



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SPECIFICATIONS CONTINUED ON NEXT PAGE

GASKETED STORM SEWER FITTINGS

IPEX/ Royal Pipe Systems/ Galaxy Products/ GPK

PVC Profile Ribbed Fittings

SPECIFICATIONS CONTINUED

IPEX ULTRA-RIB DIMENSIONS IN MILLIMETRES

PIPE SIZE	AVG. INSIDE DIAMETER	AVG. DIAMETER OVER RIBS	OUTSIDE DIAMETER AT BELL	WATERWAY WALL
200	200	224	248	2.20
250	251	280	311	2.30
300	298	333	371	2.60
375	365	408	453	2.80
450	448	497	553	3.30
525	527	579	638	4.06
600	597	650	717	4.58

IPEX ULTRA-RIB DIMENSIONS IN INCHES

PIPE SIZE	AVG. INSIDE DIAMETER	AVG. DIAMETER OVER RIBS	OUTSIDE DIAMETER AT BELL	WATERWAY WALL
8	7.89	8.80	9.78	0.087
10	9.86	11.00	12.22	0.091
12	11.74	13.10	14.59	0.102
15	14.37	16.04	17.82	0.110
18	17.65	19.57	21.77	0.130
21	20.75	22.80	25.14	0.160
24	23.50	25.61	28.24	0.180

REHAU RAURIB DIMENSIONS IN MILLIMETRES

PIPE SIZE	AVG. INSIDE DIAMETER	AVG. DIAMETER OVER RIBS	BELL ID	t (min)
200	200.4	223.5	227.1	1.75
250	250.4	279.4	283.5	2.06
300	298.2	332.7	337.6	2.46
375	365.0	406.7	412.2	3.20
450	448.3	498.5	503.0	3.60
525	527.0	584.0	643.0	4.57
600	596.9	650.5	659.4	4.60

REHAU RAURIB DIMENSIONS IN INCHES

PIPE SIZE	AVG. INSIDE DIAMETER	AVG. DIAMETER OVER RIBS	BELL ID	t (min)
8	7.89	8.80	8.94	0.069
10	9.86	11.00	11.16	0.081
12	11.74	13.10	13.29	0.097
15	14.37	16.01	16.23	0.134
18	17.65	19.63	19.84	0.150
21	20.75	22.99	25.50	0.180
24	23.50	25.61	25.96	0.181



INSPECTION CHAMBERS

Royal Pipe Systems

Le-Ron Inspection Chambers

The Le-Ron Inspection Chamber allows municipalities quick convenient access to storm and/or sanitary sewer services for visual inspection or maintenance without gaining access to private property. They are available pre-plugged to allow air testing of lateral and main lines. An Add-a-Flap backflow prevention device can be added to the Inspection Chamber after final inspection has been passed. Royal Pipe offers locking lids for storm and sanitary specifications that are colour-coded for easy identification of lines.

- Easy identification of sewer locations
- Reduced maintenance costs due to call-outs where private property owners claim a municipal blockage
- Repairs without costly or unsightly damage to property
- Easy access for flusher trucks or rodder crews
- Access for inspection, allowing the municipality to determine if the blockage is on the municipality's property or on private property
- Access for inspection in situations of infiltration problems, root build-up or root control

INSPECTION CHAMBERS ACCESSORIES

Royal Pipe Systems

Le-Ron Inspection Chamber Lids and Plugs



Inspection Chamber Lids

There are two types of lids available for the riser - a PVC locking lid or a Cast Iron Driveway lid.

The PVC locking lids are colour-coded for easy identification of storm and sanitary services. The locking ensures that only authorized personnel can have access to the Inspection Chambers. The lids also prevent debris from being thrown down the riser and blocking the inspection chamber.

The cast iron Inspection Chamber lid is for use for asphalt and concrete surface applications. They are easily installed and are equipped with an integral O-ring gasket for a vapour and watertight seal. The lid is designed so that it does not transfer weight onto the inspection chamber riser.

Inspection Chamber Plugs

The Inspection Chambers are available pre-plugged allowing the whole system to be air tested, including the lateral connections. During construction, the plug remains in place preventing the mains from being contaminated. After the final inspection has been passed, the plug can be easily removed and replaced with a patented Add-a-Flap to prevent backwater flow.





INSERTA-TEES

Royal Pipe Systems

Royal Inserta-Tees Fittings

Royal Inserta-Tees are a three-piece service connection fitting that consists of PVC hub adapter, rubber sleeve and a stainless steel band. The fitting creates a compression fit into a cored wall of the mainline pipe allowing services to be connected. Royal Inserta-Tee fittings create a watertight seal without the hassle of using grout, glues or epoxies.

Royal Inserta-Tee Fittings can connect 4" to 15" (100mm to 375mm) services to any type of solid wall or profile sewer pipe on the market, including concrete pipe.

- Services can be connected where they need to be
- Easier grading of mainline pipe
- Tapping existing lines without disturbing the bedding

SPECIFICATIONS

DIMENSIONS IN MILLIMETRES

INSERTA-TEE SIZE	HOLE DIAMETER
100	112.5
150	162.5
200	218.8
250	271.9
300	321.9
375	385.3

DIMENSIONS IN INCHES

INSERTA-TEE SIZE	HOLE DIAMETER
4	4.5
6	6.5
8	8.75
10	10.88
12	12.88
15	15.81