



# uPVC BELL-MOUTH PRESSURE PIPE JOINT (RRJ)

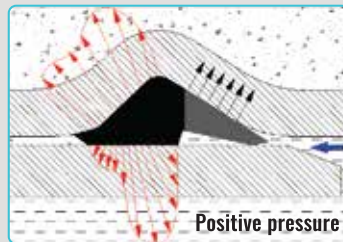
## CHIN LEAN® CL 2146 / CL 2150 uPVC Bell-Mouth pipe

is complied to MS628: Part 2: Section 2.1 with available diameter from 100mm to 300mm for water pressure application. Pipe designed has a very high performance with integrated system sealing where the seal and mandrel act together as a tool to form the pipe socket during manufacture. The main principal of the joint is the use of rubber sealing ring for good sealing purpose, easy and quickly to install. It is automatically compressed to form an effective seal when the spigot ends is insert into the socket.

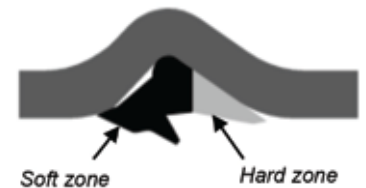
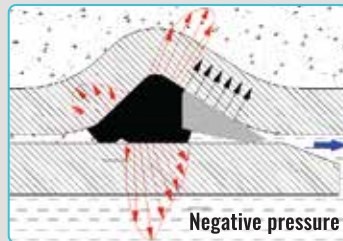
### PRODUCT FUNCTION

The seal become part of socket forming tool used to shape it's own seal groove reducing Irregularities and tolerances in the socket. The seal is Equally effective under both positive and negative pipe pressure (vacuum).

Under **positive pressure** the rubber section is pressed forward, giving a still more effective seal. The higher pressure giving the greater sealing force.



Under **negative pressure** the rubber section pressed backwards, it expands radially and seals effectively against both the socket and spigot. The sealing action of the front rubber edge prevents sand or soil from entering the seal.



### RUBBER TYPE

Rubber ring seal is made from material of black EPDM rubber (ethylene propylene diene monomer) complied to BS EN 681 with dual hardness seal consisting of:  
**Soft zone** - The flexible rubber is designed with a combined compression and lip seal acting on both spigot and socket to maximize the seal effectively  
**Hard zone** - The reinforcement rubber, bonded to flexible rubber to holds the seal firmly in place

### CERTIFICATION

This pipe certified by SIRIM QAS International Sdn. Bhd. since 1993 with certificate No.: PC 007103  
Standard reference: MS628: Part 2: Section 2.1

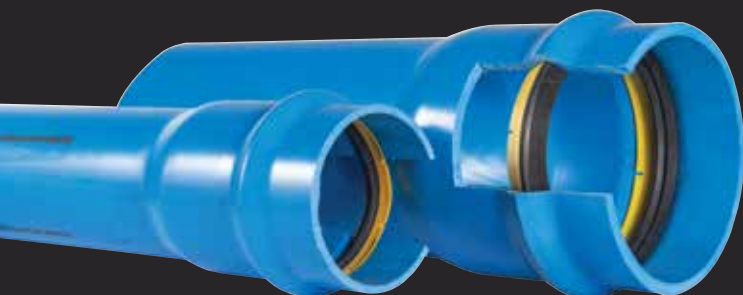


### QUALITY ASSURANCE

Chin Lean Plastic is established the Quality Management System has been complies to ISO 9001:2015 assessed by SIRIM QAS International Sdn. Bhd. to ensure quality system and quality product fulfill to the requirements. Certificate No. : MY-QMS 01016

### ADVANTAGES

- # Long life span
- # Cost effective
- # Lightweight
- # No heavy equipment needed.
- # Fast and easy to assemble & dismantle



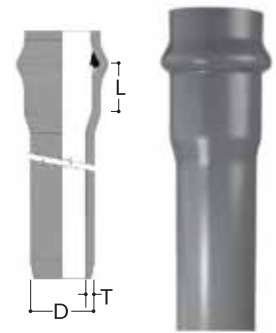
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## PRODUCT FEATURES

Application	Water Supply
Product Range	DN 100mm to DN 300mm
Maximum Working Pressure	9 bar to 15 bar.
Material	Unplasticized Polyvinyl Chloride (uPVC / PVC-U)
Colour	Grey (CL 2146) and Blue (CL2150)
Length	6 meter & 5.8 meter (upon customer request)

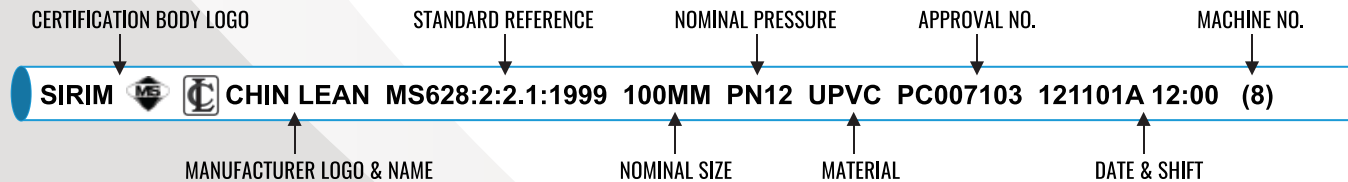
## PIPE DIMENSIONS

Nominal Size (mm)	Outside Diameter (mm) - D	Wall Thickness (mm) - T			Insertion Length - L
		PN 9	PN 12	PN 15	
100	114.10 ~ 114.50	4.50 ~ 5.20	6.00 ~ 6.90	7.30 ~ 8.40	88
155	168.00 ~ 168.50	6.60 ~ 7.60	8.80 ~ 10.20	10.80 ~ 12.50	107
200	218.80 ~ 219.40	7.80 ~ 9.00	10.30 ~ 11.90	12.60 ~ 14.50	138
250	272.60 ~ 273.40	9.70 ~ 11.20	12.80 ~ 14.80	-	168
300	323.40 ~ 324.30	11.50 ~ 13.30	15.20 ~ 17.50	-	203



## MARKING

Printing by inject printer as following identification:



## INSTALLATION PROCEDURE



- Each pipes should be checked to make sure free from scratch, sand, mud, foreign matter or other damage. Clean the spigot and socket end of pipes.



- DO NOT REMOVE RUBBER SEALING RING** from groove of Bell-mouth pipe.



- Make sure the spigot have the chamfer and witness mark.



- Lubricate the spigot by using correct lubricant, and **DO NOT LUBRICATE THE RING OR THE GROOVE.**



- Carefully align the pipes before attempting the thrust home. Push the spigot into the socket until the witness mark remains just visible. Jointing may be assisted by the use of a crowbar and block.



- In this position clearance is automatically allowed for expansion and contraction, so do not push the pipe pass the witness mark.



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