

Flexible Drainage Connector

FLEXI-DRAIN

Rubber Drainage Joint with Easy Installation
(for Both Above and Under Ground)



Feature

Outstanding Flexibility

Owing to the characteristic of the high quality rubber and bias reinforcement, a moderate length Flexi-Drain provides up to 50mm lateral displacement. This outstanding flexibility allows the Flexi-Drain to be the best choice in drainage and other low pressure system.

Underground Application

Incorporated with steel reinforcing rings enable Flexi-Drain buried underground up to 1.5 M. without deform or failure. Flexi-Drain eliminates additional protection which is required by ordinary rubber joints.

Easy Installation

Flexi-Drain insert type end connection fixed by stainless steel hose clamp reduces installation cost and time. Flexi-Drain can be installed in series to provide greater displacement for critical application.

Applications

To be used in most of the drainage, sewerage, or low pressure system to compensate the differential settlement and pipe expansion.

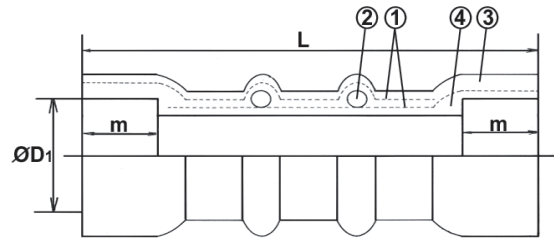
Working Pressure : 1 Kgf/cm² or below

Working Temperature : -10°C to 60°C

Testing Pressure : 3 Kgf/cm² (Max.)

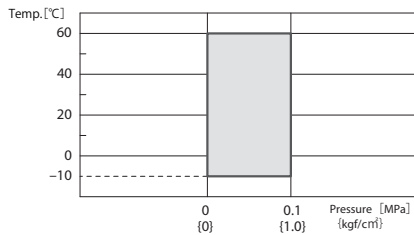
Applicable Fluid : Water, Drainage, and Non-Corrosive Sewerage

Structure



No.	Parts	Material	No.	Parts	Material
①	Reinforcing Cord	Nylon Tire Cord	③	Outer Rubber	Natural Rubber
②	Reinforcing Ring	Mild Steel	④	Inner Rubber	Natural Rubber

Operating Conditions and Performance



● Use after confirmation that the maximum operation pressure and maximum service temperature are within the operation range.

Dimensions and Allowable Movements

Nominal Dia. [mm]	Dimension [mm]			Allowable displacement [mm]		
	L	D1	m	Lateral displacement	Elongation	Contraction
40	250	48.6	50	50	10	10
50	250	60.5	50	50	10	10
65	310	76.3	80	50	10	10
80	310	89.1	80	50	10	10
100	350	114.3	100	50	10	10
125	350	139.8	100	50	10	10
150	420	165.2	120	50	10	10
200	480	216.3	150	50	10	10
250	600	270	150	50	10	10
300	600	320	150	50	10	10

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Agent

TOZEN Corporation

8-4, Asahi, Yoshikawa
Saitama 342-0008 Japan



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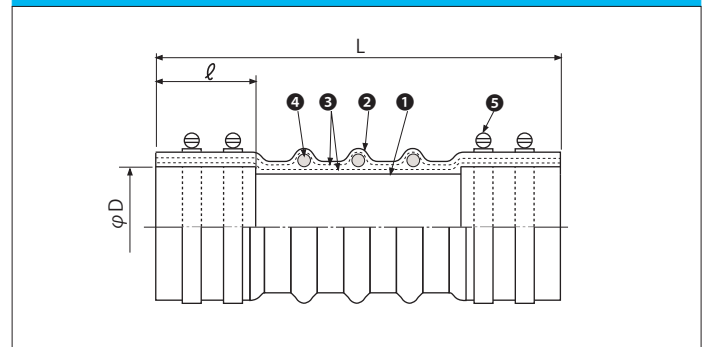
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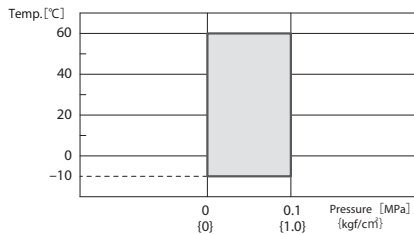


No.	Parts	Material	No.	Parts	Material
①	Inner Rubber	Natural Rubber	④	Reinforcing Ring	Mild Steel
②	Outer Rubber	Natural Rubber	⑤	Flat band	SUS
③	Reinforcing Cord	Nylon Tire Cord			

● Standard joints are for gas pipe (SGP) and polyvinyl chloride pipe (VP, VU). Joints for steel and cast-iron pipe are available to be supplied.

● For each end, two flat bands ⑤ are attached.

Operating Conditions and Performance



● Use after confirmation that the maximum operation pressure and maximum service temperature are within the operation range.

Dimensions and Allowable Movements

Nominal Dia. [mm]	Dimension [mm]			Mass [kg]	Allowable displacement [mm]		
	L	φD	ℓ		Lateral displacement	Elongation	Compression
40	350	48.6	50	0.75	100	10	10
50	350	60.5	50	0.9	100	10	10
65	400	76.3	75	1.3	100	10	10
80	400	89.1	75	1.6	100	10	10
100	450	114.3	100	2.5	100	10	10
125	450	139.8	100	3.0	100	10	10
150	500	165.2	110	4.0	100	10	10
200	550	216.3	135	5.7	100	10	10

● Please use within allowable displacement range

● As shown in chart are data of non-concurrent displacement, please make correction for concurrent displacements. For correction method, refer to "Attention for handling or "TOZEN HP"



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