

FLEXIDRAIN

FLEXIBLE DRAINAGE CONNECTOR



FEATURES

- **Outstanding Flexibility** : Owing to the characteristic of the high quality rubber and bias reinforcement, a moderate length Flexidrain provides up to 50mm lateral displacement. This outstanding flexibility allows the Flexidrain to be the best choice in drainage and other low pressure system.
- **Underground Application** : Incorporated with steel reinforcing rings enable Flexidrain buried underground up to 1.5 M. without deform or failure. Flexidrain eliminates additional protection which is required by ordinary rubber joints.
- **Easy Installation** : Flexidrain insert type end connection fixed by stainless steel hose clamp reduces installation cost and time. Flexidrain 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

Testing Pressure : 3 Kgf/cm² (Max.)

Working Temperature : -10°C to 60°C

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

FLEXIDRAIN (50 LATERAL MOVEMENT)

● STRUCTURE

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

● DIMENSION AND ALLOWABLE MOVEMENT

(mm)

Size	D1	L	m	Allowable Displacement		
				Lateral	Elongation	Contraction
32	43	250	50	50	10	10
40	48.6	250	50	50	10	10
50	60.5	250	50	50	10	10
65	76.3	310	80	50	10	10
80	89.1	310	80	50	10	10
100	114.3	350	100	50	10	10
125	139.8	350	100	50	10	10
150	165.2	420	120	50	10	10
200	216.3	480	150	50	10	10
250	270	600	150	50	10	10
300	320	600	150	50	10	10
350	370	600	150	50	10	10

Noted: 250A,300A,350A are in 3 bellows

FLEXIDRAIN (100 Lateral Movement)

• **STRUCTURE**

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

• **DIMENSION AND ALLOWABLE MOVEMENT**

(mm)

Size	D1	L	m	Allowable Displacement		
				Lateral	Elongation	Contraction
32	43.0	350	50	100	10	10
40	48.6	350	50	100	10	10
50	60.5	350	50	100	10	10
65	76.3	400	75	100	10	10
80	89.1	400	75	100	10	10
100	114.3	450	100	100	10	10
125	139.8	450	100	100	10	10
150	165.2	500	110	100	10	10
200	216.3	550	135	100	10	10