

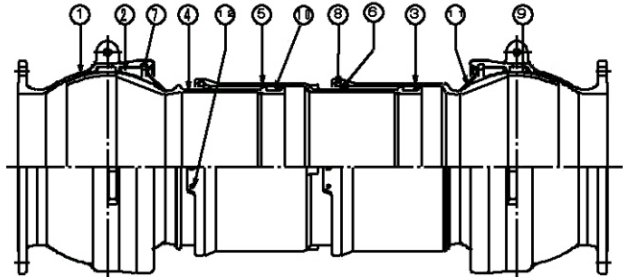
Double Ball Type / Both Flange Ends
DN350 to DN600

SUPER FLEX

DUCTILE CAST IRON FLEXIBLE EXPANSION JOINT

STRUCTURES

CLASS A : 0.3 d tonf



NO.	PART NAME	MATERIAL
①	N CASING (F)	DUCTILE CAST IRON
②	N CASING	DUCTILE CAST IRON
③	MOVABLE PIPE (A)	DUCTILE CAST IRON
④	MOVABLE PIPE (B)	DUCTILE CAST IRON
⑤	SLEEVE PIPE	DUCTILE CAST IRON
⑥	FIX RING	STAINLESS STEEL OR DUCTILE CAST IRON
⑦	LOCK RING	STAINLESS STEEL
⑧	LOCK RING	STAINLESS STEEL
⑨	T-RUBBER BAND OR SPECIAL GASKET	SBR
⑩	SPECIAL GASKET	SUS304
⑪	RUBBER BOOTS	SBR
⑫	AUTO-STOPPERS	CHROME-MOLY STEEL

*NBR gasket is available upon request.

MOVEMENT CAPABILITIES

(mm)

DN	Deflection	h=200mm	h=300mm	h=400mm	h=500mm
350 to 600	15 degrees	Contraction 50 Expansion 150	Contraction 100 Expansion 300	Contraction 150 Expansion 450	Contraction 200 Expansion 600

*Please specify required flange standard.

*Please contact us for ordering procedures.

SUPER FLEX

DUCTILE CAST IRON FLEXIBLE EXPANSION JOINT

SIZE AVAILABLE: DN50 to DN1500

FOR EARTHQUAKE MITIGATION
WATER & WASTEWATER PIPELINES



SUIKEN

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All specifications contained in this catalogue are subject to be changed without notice. (As of January 2000)

SUPER FLEX

DUCTILE CAST IRON FLEXIBLE EXPANSION JOINT

CLASS A : 0.3 d tonf

SUIKEN's worldwide expansion joint,
SUPER FLEX ductile cast iron flexible expansion joint provides better solutions for the design of pipeline.

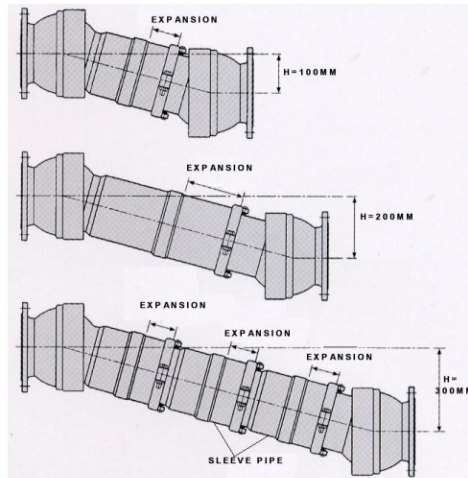
FEATURES (Internal : Epoxy powder coating External: Synthetic resin coating)

1. Light-weight and cost-effective design

SUPER FLEX has a simple structure without fixing bolts and nuts; thus providing light-weight and cost-effective design.

2. Large deflection angle

Ball-shaped sections are provided at both ends. Each section deflects 15 degrees in any direction (30 degrees in single direction).



3. Free rotation

When a pipeline is subject to twisting forces SUPER FLEX rotates to relieve the stress.

4. Large subsidence & expansion

SUPER FLEX ensures a smooth response to large-scale ground movements. Its subsidence and expansion capacity can be increased by 100mm with an additional sleeve .

5. AUTO-STOPPERS installed

AUTO-STOPPERS are installed on SUPER FLEX to prevent the expansion and contraction during the shipping. When a pulling force is applied to the joint, AUTO-STOPPERS shear off and the joint starts to expand.



SUPER FLEX on bridge abutment in Kobe area had no damage during Kobe earthquake in 1995. (Measured subsidence : 1100MM)

6. Easy construction

Depending on the location, a flexible fitting is available. The degree of deflection and joint length can be selected as required within the operation range. This enables speedy construction work without a complicated centering job.

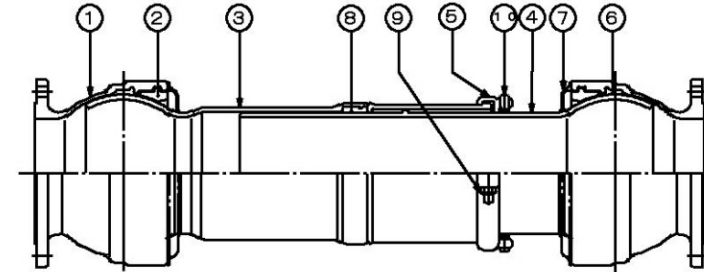
Double Ball Type / Both Flange Ends DN80 to DN300

SUPER FLEX

DUCTILE CAST IRON FLEXIBLE EXPANSION JOINT

CLASS A : 0.3 d tonf

STRUCTURES



NO.	PART NAME	MATERIAL
①	N CASING (F)	DUCTILE CAST IRON
②	N CASING	DUCTILE CAST IRON
③	MOVABLE PIPE (A)	DUCTILE CAST IRON
④	MOVABLE PIPE (B)	DUCTILE CAST IRON
⑤	STOPPER	DUCTILE CAST IRON
⑥	N SPECIAL GASKET	SBR
⑦	N RUBBER BOOTS	SBR
⑧	T-RUBBER BAND	SBR
⑨	HEX BOLT / NUT	SUS304
⑩	STOPPER BOLT	CHROME-MOLY STEEL

*NBR gasket is available upon request.

*For 300mm subsidence or above, one sleeve pipe will be installed with increase of subsidence capability by 100mm.

MOVEMENT CAPABILITIES

DN	Deflection	(mm)			
		h=100mm	h=200mm	h=300mm	h=400mm
80	15 degrees	Contraction 30	Contraction 50	Contraction 100	Contraction 150
to					
300		Expansion 70	Expansion 150	Expansion 200	Expansion 250

*Please specify required flange standard.

*Please contact us for ordering procedures.