FLEXIBLE

MECHANICAL JOINTS FOR DUCTILE IRON PIPE

SOLUTION OF HIGH INSTALLATION FLEXIBILITY



Mechanical Coupling

Flange Dismantling Joint

Mechanical Flange Adaptor

Mechanical Coupling	Mechanical Flange Adaptor	Flange Dismantling Joint

In Brief

- For Connecting D.I., MSCL & Other Rigid Pipes Material with Similar OD
- Ideal for Quick & Easy Pipeline Repair, Maintenances & System Servicing
- For Longitudinal Adjustment With Telescoping Action of Flanged Spigot
- **Working Pressure** : PN16
- **Coating** : Fusion Bonded Epoxy
- **Sealing** : EPDM
- **Angular Deflection** : ± 3°
- **Longitudinal Adjustment** : Up to 50mm/2"

Standards

- **Design** : SPESIFIKASI JKR 20200-0048-99
- **Test** : EN 12266-1
- **Flange** : EN 1092-2
- **For Ductile Iron Pipe** : BS EN 545 / BS EN 598 / ISO 2531 / MS 1919 / DIN 28601
- **For Mild Steel Pipe** : BS 534 / SPAN TS 21827 / AS 1579

Features

- **Range of Sizes** D.I. : DN80 to DN800; MSCL : DN80 to DN1200; D.I. & MSCL : DN100 to DN150
- Allowing Length Locking with Tie Bars Supplied
- Wedge Gasket Type Allowing OD Tolerance (+1-3)mm for Water Sealing
- For Limited Ground Movement, Expansion, Contraction and Minor Angular Misalignment of Pipeline
- Long Collar with 225mm Body Sleeve for Better Prevention of Pipe-Pull Out

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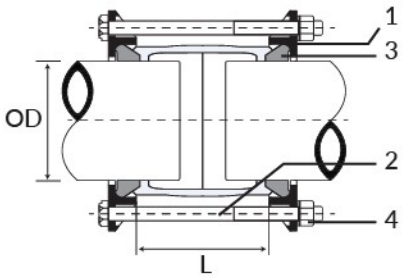
Manufacturer of Valves, Hydrants, Joints, Fittings & Manhole Covers

MECHANICAL JOINTS FOR DUCTILE IRON PIPE

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Technical Table

Mechanical Coupling



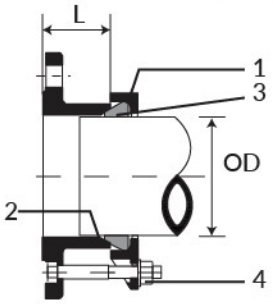
Assembly Chart

No.	Component	Material	Standard Ref.
1	Gland Flange	Ductile Iron	BS EN 1563
2	Sleeve/Collar	Ductile Iron	BS EN 1563
3	Gasket	EPDM	BS EN 681
4	Bolt & Nut	Hot Dipped Galvanized	BS EN 4190

Specifications & Parameters Chart

DN (mm)	OD (D.I.) (mm)	OD (MSCL) (mm)	L (mm)	Bolts
80	98	88.9	100/225	M12x4
100	118	114.3	100/225	M12x4
150	170	168.3	100/225	M12x4
200	222	219.1	100/225	M12x4
250	274	273	100/225	M12x6
300	326	323.9	100/225	M12x6
350	378	355.6	150/225*	M16x8
400	429	406.4	150/225*	M16x8
450	480	457	150	M16x10
500	532	508	150	M16x10
600	635	610	150	M16x10
700	738	711	150	M16x12
800	842	813	150	M16x12
900	-	914	150	M16x14
1000	-	1016	150	M16x14
1200	-	1219	200	M16x16

Mechanical Flange Adaptor



Assembly Chart

No.	Component	Material	Standard Ref.
1	Gland Flange	Ductile Iron	BS EN 1563
2	Body	Ductile Iron	BS EN 1563
3	Gasket	EPDM	BS EN 681
4	Bolt & Nut	Hot Dipped Galvanized	BS EN 4190

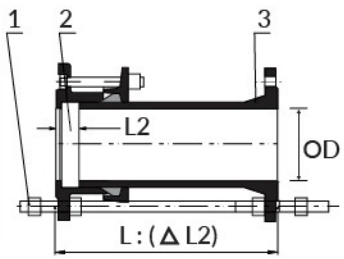
Specifications & Parameters Chart

DN (mm)	OD (D.I.) (mm)	OD (MSCL) (mm)	L (mm)	Bolts	Flange Standard
80	98	88.9	70/225	M12x4	PN10+PN16+BS10/E+ANSI/150
100	118	114.3	70/225	M12x4	PN10+PN16+BS10/E+ANSI/150
150	170	168.3	70/225	M12x4	PN10+PN16+BS10/E+ANSI/150
200	222	219.1	70/225	M12x4	PN10+PN16+BS10/E+ANSI/150
250	274	273	90/225	M16x6	PN10+PN16+BS10/E+ANSI/150
300	326	323.9	90/225	M16x6	PN10+PN16+BS10/E+ANSI/150
350	378	355.6	100/225*	M16x8	PN10/16
400	429	406.4	100/225*	M16x8	PN10/16
450	480	457	100	M16x10	PN10/16
500	532	508	100	M16x10	PN10/16
600	635	610	100	M16x10	PN10/16
700	738	711	100	M16x12	PN10/16
800	842	813	100	M16x12	PN10/16
900	-	914	115	M16x14	PN10/16
1000	-	1016	115	M16x14	PN10/16
1200	-	1219	125	M16x16	PN10/16

**225 mm body length is only available for the mechanical joint used to connect D.I. pipes.*

Flange Dismantling Joint





For Fast & Simple Axial Movement of Water Metering System

Assembly Chart

No.	Component	Material	Standard Ref.
1	Tie Rod Bar	Galvanized Steel	BS EN 4190
2	Mech. Flange Adaptor	Ductile Iron	BS EN 1563
3	Flanged Spigot	Ductile Iron	BS EN 1563

Specifications & Parameters Chart

DN (mm)	OD (mm)	L (mm)	L2 (mm)
100	118	300	50
150	170	450	50

Note: Technical data provided in this brochure is indicative only and may be subject to change without prior notice.

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