

Dismantling Joint

LUOKAI dismantling joint is a double flanged fittings that provides easy installation and disassembly of flanged pipe networks and fittings, or flanged equipment such as valves, meters and pumps. These fittings are widely used in water, sewage and neutral liquids fields up to 70°C with a nominal bore from 50mm to 2000mm.

LUOKAI dismantling joints are available on the following two basic structures to suit customer's requirements.



◆ Features and Benefits

- 1. ±25mm longitudinal adjustment simplifies future pipework modifications and reduces down time.
- 2. Can be locked at required length with tie rods supplied.
- 3. FBE anticorrosive coating make long service life.
- 4. Both restrained or unrestrained styles for selection.
- 5. The integral tie rod assembly avoid the need for other external restraints.
- 6. Special configurations and high pressure alternatives are available on request.

◆ Typical Applications:

- The dismantling joint is particularly suitable for simplifying the installation and removal of :
 - Non return valves
 - Check Valves
 - Isolation valves
 - Control Valves
 - Flow metering equipment
 - Pump sets
 - Pressure reducing valves
 - Flanged pipe and fittings

◆ General Application Areas:

- 1. Sewage treatment works
- 2. water treatment works
- 3. Power generation equipment and gas distribution stations.
- 4. Industrial cooling systems
- 5. Pumping stations

Heavy Duty Dismantling Joint

LUOKAI FD10 Dismantling Joint, the seal using the tie-bar, they also suitable for most applications and are rated up to 25 bar.

◆ Longitudinal Adjustment

- ±25mm longitudinal adjustment simplifies future pipework modifications and reduces down time.

◆ Excellent Coating Protection

- The normal painting is RAL5017 FBE coated powder which with good anticorrosion characteristic, the studs, nuts, washers with Dacromet coated, which with good anticorrosion, thermostability characteristic than galvanized plated.

◆ Perfect Sealing Capability

- The rubber gasket is compressed by the middle flange through fasten nuts of tie bars, and the sealing capability achieve as soon as the fasteners reach required torque.

◆ Tie Bar Use:

- The dismantling joint can be locked at required length with tie bars supplied.



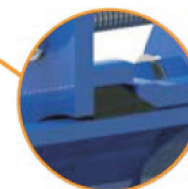
Tie Bar Use



Good Longitudinal Adjustment



Economical and Practical Design



Perfect Sealing Capability

Material and Technical Specifications:

◆ Body and Middle Flange:

- Ductile Iron to EN1563 GGG50.
- Mild Steel to EN10025 S235JR.

◆ Fasteners:

- **Studs, Nuts, Washer:** Tensile Steel 4.8
- **Tie Bars:** Tensile Steel 4.8 or 8.8 according to actual application.

◆ Fasteners Coating:

- Dacromet Coating for normal application.
- Galvanized coating or Teflon coating also available on request.

◆ Seals(Rubber Gasket):

- EPDM to EN681
- NBR to EN682
- WRAS approved seals for potable water also available on request

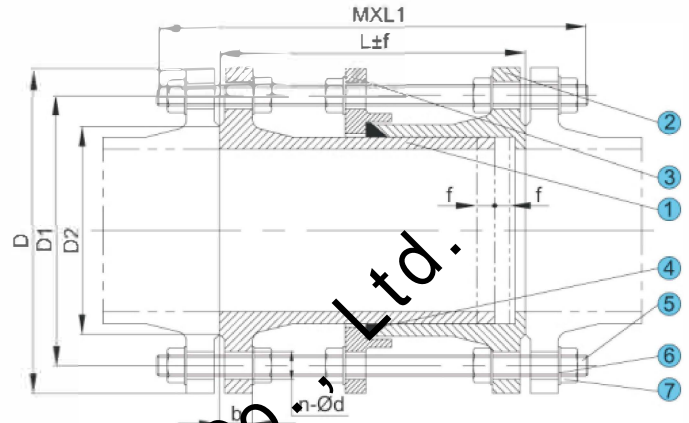
◆ Temperature: Up to 70°C

- High temperatures will affect the life of products installation. Special temperature application kindly contact with Fowry directly.

Heavy Duty Dismantling Joint PN10

◆ Material Specification:

Item No.	Item Name	Material	Specification
1	long flange body	Ductile Iron	GGG50
2	Short flange body	Ductile Iron	GGG50
3	Middle flange	Ductile Iron	GGG50
4	Seal Ring	Rubber	EPDM
5	Stud	Galvanized Steel	ISO898-1:1999
6	Washer	Galvanized Steel	
7	Nut	Galvanized Steel	ISO898-2:1992



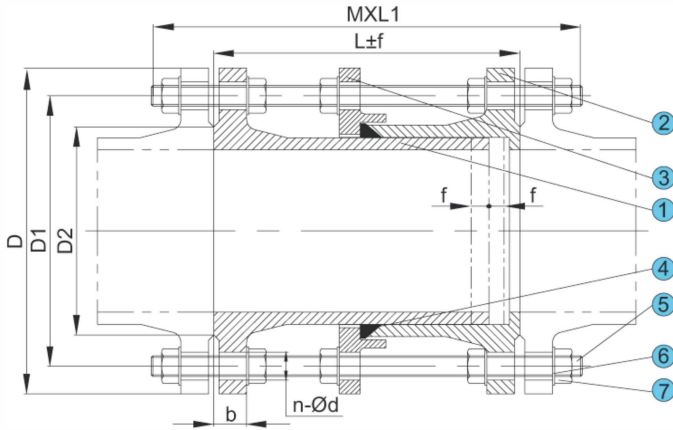
◆ Dimensions(mm)

Size	ID	OD	Length(mm)		Adjustment(mm)	EN1092 PN10					No. of Tie-bar		
			L	L1	L±25	D	D1	L2	b	n-M	25% restrained	50% restrained	100% restrained
DN50	65	66	205	310	±25	165	121	99	19	4-M16			4
DN65	80	82	205	310	±25	185	135	118	19	4-M16			4
DN80	83	98	205	340	±25	205	150	132	19	8-M16		4	8
DN100	101	118	205	340	±25	225	180	156	19	8-M16		4	8
DN150	154	170	205	340	±25	285	240	211	19	8-M20		4	8
DN200	206.5	222	215	350	±25	340	295	266	20	8-M20		4	8
DN250	258	274	220	370	±25	400	350	319	22	12-M20	3	6	12
DN300	307	326	240	390	±25	455	400	370	24.5	12-M20	3	6	12
DN350	359	378	240	400	±25	505	460	429	24.5	16-M20	4	8	16
DN400	408	429	250	420	±25	565	515	480	24.5	16-M24	4	8	16
DN450	456	480	265	440	±25	615	565	530	25.5	20-M24	5	10	20
DN500	508	532	275	440	±25	670	620	582	26.5	20-M24	5	10	20
DN600	613.4	635	295	460	±25	780	725	682	30	20-M27	5	10	20
DN700	711	738	300	480	±25	895	840	794	32.5	24-M27	6	12	24
DN800	817	842	320	500	±25	1015	950	901	35	24-M30	6	12	24
DN900	911	945	320	500	±25	1115	1050	1001	37.5	28-M30	7	14	28
DN1000	1012	1048	330	545	±25	1230	1160	1112	40	28-M33	7	14	28
DN1200	1216	1255	350	580	±25	1455	1380	1328	45	32-M36	8	16	32
DN1400	1420	1462	380	630	±25	1675	1590	1530	46	36-M39	9	18	36
DN1500	1520	1565	400	665	±25	1785	1700	1640	47.5	36-M39	9	18	36
DN1600	1620	1668	400	700	±25	1915	1820	1750	49	40-M45	10	20	40
DN1800	1820	1875	420	730	±25	2115	2020	1950	52	44-M52	10	20	40

◆ Basic Technical Data:

- Dimension Range: DN50 to DN1800.
- Working Pressure: PN10.
- Flange Drilling: BS EN1092 PN10.
- Max. Temperature: 80°C for NBR & EPDM.
- High temperature is available on request .
- Un-Restrained Dismantling Joint without Tie-bar.

Heavy Duty Dismantling Joint PN16



◆ Material Specification:

Item No.	Item Name	Material	Specification
1	long flange body	Ductile Iron	GGG50
2	Short flange body	Ductile Iron	GGG50
3	Middle flange	Ductile Iron	GGG50
4	Seal Ring	Rubber	EPDM
5	Stud	Galvanized Steel	ISO898-1:1999
6	Washer	Galvanized Steel	
7	Nut	Galvanized Steel	ISO898-2:1992

◆ Dimensions(mm)

Size	ID	OD	Length(mm)		Adjustment(mm)	EN1092 PN16					No. of Tie-bar		
			L	L1	L±25	D	D1	D2	n-M	25% restrained	50% restrained	100% restrained	
DN50	65	66	205	310	±25	165	125	99	19	4-M16			4
DN65	80	82	205	310	±25	185	145	88	19	4-M16			4
DN80	83	98	205	340	±25	200	160	82	19	8-M16		4	8
DN100	101	118	205	340	±25	220	170	76	19	8-M16		4	8
DN150	154	170	205	340	±25	285	210	66	19	8-M20		4	8
DN200	206.5	222	215	350	±25	340	295	56	20	12-M20	3	6	12
DN250	258	274	220	380	±25	400	355	46	22	12-M24	3	6	12
DN300	307	326	240	400	±25	455	410	36	24.5	12-M24	3	6	12
DN350	359	378	240	410	±25	520	470	26	26.5	16-M24	4	8	16
DN400	408	429	250	430	±25	580	525	16	28	16-M27	4	8	16
DN450	456	480	265	450	±25	640	585	6	30	20-M27	5	10	20
DN500	508	532	275	460	±25	715	650	6	31.5	20-M30	5	10	20
DN600	613.4	635	295	500	±25	840	770	20	36	20-M33	5	10	20
DN700	711	738	300	500	±25	910	840	10	39.5	24-M33	6	12	24
DN800	817	842	320	530	±25	1025	950	10	43	24-M36	6	12	24
DN900	911	945	320	530	±25	1125	1050	10	46.5	28-M36	7	14	28
DN1000	1012	1048	330	570	±25	1255	1170	10	50	28-M39	7	14	28
DN1200	1216	1255	350	620	±25	1485	1390	10	57	32-M45	8	16	32
DN1400	1420	1462	380	630	±25	1685	1590	10	60	36-M45	9	18	36
DN1500	1520	1565	400	665	±25	1820	1710	10	62.5	36-M52	9	18	36
DN1600	1620	1668	400	700	±25	1930	1820	10	65	40-M52	10	20	40
DN1800	1820	1875	420	730	±25	2130	2020	10	70	44-M52	11	22	44

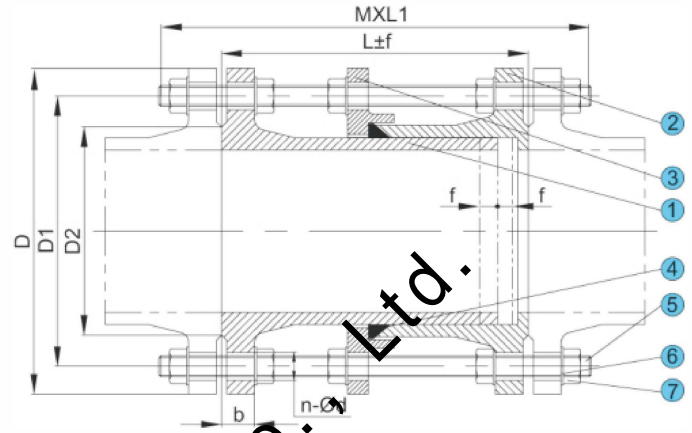
◆ Basic Technical Data:

- Dimension Range: DN50 to DN1800.
- Working Pressure: PN16.
- Flange Drilling: BS EN1092 PN16.
- Max. Temperature: 80°C for NBR & EPDM.
- High temperature is available on request .
- Un-Restrained Dismantling Joint without Tie-bar.

Heavy Duty Dismantling Joint PN25

◆ Material Specification:

Item No.	Item Name	Material	Specification
1	long flange body	Ductile Iron	GGG50
2	Short flange body	Ductile Iron	GGG50
3	Middle flange	Ductile Iron	GGG50
4	Seal Ring	Rubber	EPDM
5	Stud	Galvanized Steel	ISO898-1:1999
6	Washer	Galvanized Steel	
7	Nut	Galvanized Steel	ISO898-2:1992



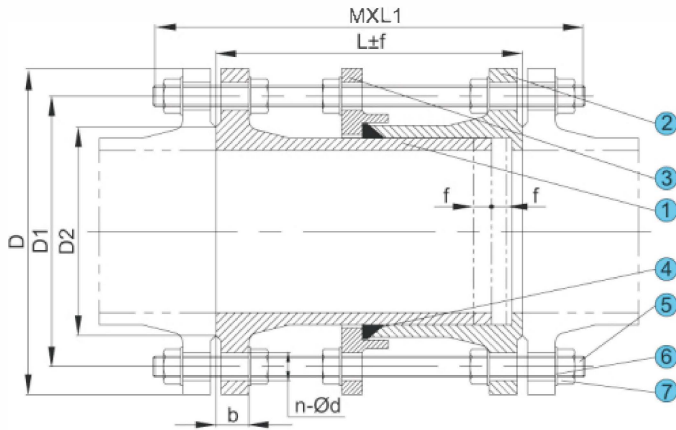
◆ Dimensions(mm)

Size	ID	OD	Length(mm)		Adjustment(mm)	EN1092 PN25					No. of Tie-bar		
			L	L1	L±25	D	D1	D2	b	n-M	25% restrained	50% restrained	100% restrained
DN50	65	66	205	310	±25	165		99	19	4-M16			4
DN65	80	82	205	310	±25	185	145	118	19	8-M16		4	8
DN80	83	98	205	340	±25	170	160	132	19	8-M16		4	8
DN100	101	118	205	340	±25	235	190	156	19	8-M20		4	8
DN150	154	170	205	340	±25	300	250	211	20	8-M24		4	8
DN200	206.5	222	215	350	±25	360	310	274	22	12-M24	3	6	12
DN250	258	274	220	400	±25	425	370	330	24.5	12-M27	3	6	12
DN300	307	326	240	420	±25	485	430	389	27.5	16-M27	4	8	16
DN350	359	378	240	420	±25	555	490	448	30	16-M30	4	8	16
DN400	408	429	250	430	±25	620	550	503	32	16-M33	4	8	16
DN450	456	480	265	460	±25	670	600	548	34.5	20-M33	5	10	20
DN500	508	532	275	500	±25	730	660	609	36.5	20-M33	5	10	20
DN600	613.4	635	295	500	±25	845	770	720	42	20-M36	5	10	20
DN700	711	738	320	500	±25	960	875	820	46.5	24-M39	6	12	24
DN800	817	842	320	530	±25	1085	990	928	51	24-M45	6	12	24
DN900	911	945	320	530	±25	1185	1090	1028	55	28-M45	7	14	28
DN1000	1012	1048	330	570	±25	1320	1210	1140	60	28-M52	7	14	28
DN1200	1216	1255	350	620	±25	1530	1420	1350	69	32-M52	8	16	32

◆ Basic Technical Data:

- Dimension Range: DN50 to DN1200.
- Working Pressure: PN25.
- Flange Drilling: BS EN1092 PN25.
- Max. Temperature: 80°C for NBR & EPDM.
- High temperature is available on request .
- Un-Restrained Dismantling Joint without Tie-bar.

Heavy Duty Dismantling Joint AS/BS Table D/E



◆ Material Specification:

Item No.	Item Name	Material	Specification
1	long flange body	Ductile Iron	GGG50
2	Short flange body	Ductile Iron	GGG50
3	Middle flange	Ductile Iron	GGG50
4	Seal Ring	Rubber	EPDM
5	Stud	Galvanized Steel	ISO898-1:1999
6	Washer	Galvanized Steel	
7	Nut	Galvanized Steel	ISO898-2:1992

◆ Dimensions(mm)

Size	ID	OD	Length(mm)			Adjustment(mm)		AS2129 Table D				No. of Tie-bar			
			L	L1	L±25	D	D1	D2	b	Table D n-M	Table E n-M	25% restrained	50% restrained	100% restrained	
DN80	83	98	205	340	±25	185	146	122	15	19	4-M16	4-M16			4
DN100	101	118	205	340	±25	215	178	150	19	19	4-M16	8-M16			4
DN150	154	170	205	340	±25	280	235	188	19	19	8-M16	8-M20		4	8
DN200	206	222	215	350	±25	335	292	211	20	20	8-M16	8-M20		4	8
DN250	258	274	220	380	±25	405	356	328	22	22	8-M20	12-M20	3	6	12
DN300	307	326	240	400	±25	435	406	378	25	25	12-M20	12-M24	3	6	12
DN350	359	378	240	410	±25	475	470	438	27	27	12-M24	12-M24	3	6	12
DN400	408	429	250	430	±25	515	521	489	28	28	12-M24	12-M24	3	6	12
DN450	456	480	265	450	±25	555	584	532	30	30	12-M24	16-M24	4	8	16
DN500	508	532	275	460	±25	595	641	609	32	32	16-M24	16-M24	4	8	16
DN600	613	635	295	500	±25	675	756	717	36	36	16-M27	16-M30	4	8	16
DN700	711	738	300	560	±25	755	845	806	40	40	20-M27	20-M30	5	10	20
DN800	817	842	320	600	±25	835	984	942	43	43	20-M33	20-M33	5	10	20
DN900	911	945	320	630	±25	915	1092	1050	47	47	24-M33	24-M33	6	12	24
DN1000	1012	1048	330	670	±25	1000	1175	1130	50	50	24-M36	24-M36	6	12	24
DN1200	1216	1255	350	720	±25	1100	1410	1365	57	57	32-M33	32-M36	8	16	32

◆ Basic Technical Data:

- Dimension Range: DN80 to DN1200.
- Working Pressure: PN16.
- Flange Drilling: AS2129 Table D/E & BS10 Table D/E
- Max. Temperature: 80°C for NBR & EPDM.
- High temperature is available on request .
- Un-Restrained Dismantling Joint without Tie-bar.