

COMPACT DISMANTLING JOINT

DN100 to DN2400 RESTRAINED

WSA: PA 2056



NEW PATENTED* COMPACT DISMANTLING JOINT



COMPACT DISMANTLING JOINT INSTALLED

FEATURES

Steel Mains' new and improved unique patented* Compact Dismantling Joint features the following benefits over existing designs:

- Reduced mass for easy handling
- 100% restrained - External flange bolts "sandwich" the Compact Dismantling Joint
- Significantly reduced length requirements
- Easy installation and removal for servicing pipeline components
- Angular misalignment tolerance
- Integrated effective sealing system activated by compression
- Suitable for high pressure applications

DESCRIPTION

Steel Mains' Compact Dismantling Joint design is highly advanced with upgraded features. The length of the joint is now shorter compared to previous designs, enabled by the Integrated Seal Design and reduced thickness of the Sealing Flanges. The joint can now be safely installed in tight and constricted locations or where space is at a premium.

The complete assembly is sandwiched in compression between the Pipe Flange and the Pipeline Component making it one of the easiest dismantling joints to install and remove, saving time and money.

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SPECIFICATIONS

Materials & Standards	
Flange Drilling	AS 4087, AS 4331, AS2129, EN1092, ASME B16.47/ASME B16.5 AWWA C207 or to customer specification *
Steel	Grade 250 Steel (min)
Compression Bolts	316 Stainless steel grade A4 property class 70 to ISO 3506-1
Nuts	AS1112.1 Class A4-70
Coating	Fusion Bonded Epoxy coating to AS/NZS 4158
Internal Sealing	EPDM Rubber to AS1646



TECHNICAL DATA

Size Range 100 to 2400mm

Rated Pressures PN16 and PN35

Temperature Range -40° to 70° C

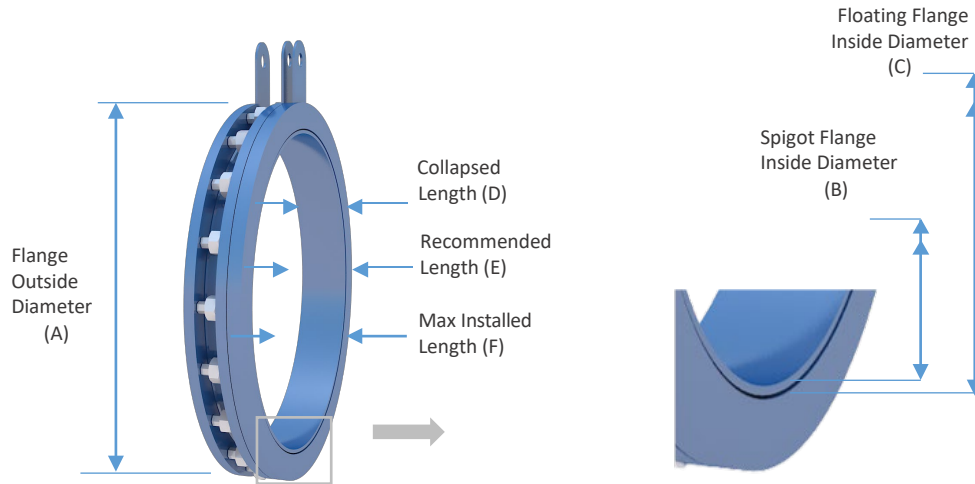
Standards WSAA Product Specification, "WSA – PS 284 Dismantling Joints"

Certifications Certified to AS/NZS 4020 – Suitable for contact with drinking water

* For bespoke sizes and pressures please contact your local Steel Mains Regional Sales Office

COMPACT DISMANTLING JOINT

DN100 to DN1200 RESTRAINED (PN16)

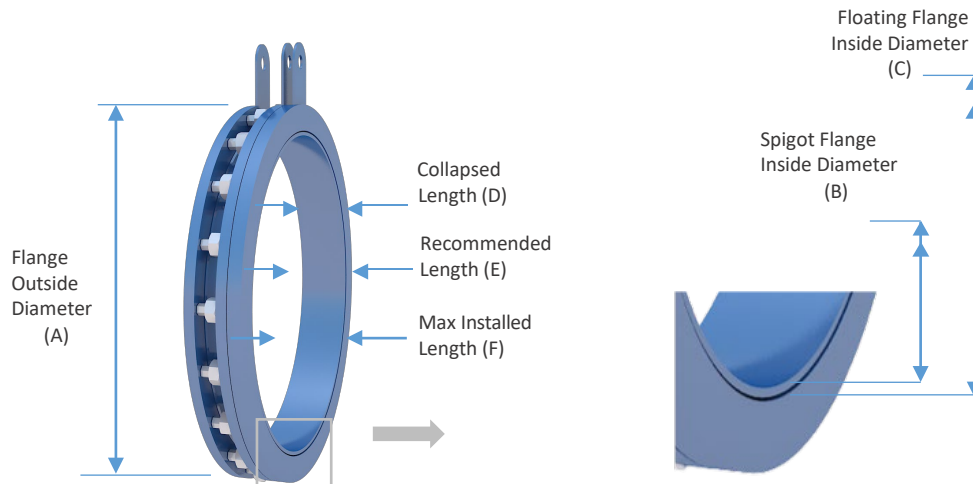


Flange Standard: AS4087 PN16

Size	Flange Outside Diameter (A)	Spigot Flange I.D. (Bore) (B)	Floating Flange I.D. (C)	Collapsed Length (D)	Recommended Installed Length (E)	Maximum Installed Length (F)	Weight (kg)
DN100	160	92	104	80	92	100	6.1
DN150	217	140	152	80	92	100	10
DN200	274	193	209	80	92	100	13.2
DN225	306	222	238	80	92	100	16
DN250	334	229	247	85	97	105	21
DN300	384	289	308	85	97	105	23
DN350	444	334	352	100	112	120	35
DN375	469	363	380	100	112	120	37
DN400	495	390	408	100	112	120	38
DN450	558	441	459	100	112	120	47
DN500	615	488	510	100	112	120	58
DN600	726	590	612	112	132	142	87
DN700	815	687	713	112	132	142	96
DN750	894	750	776	120	140	150	119
DN800	948	789	815	120	140	150	141
DN900	1056	890	916	120	140	150	165
DN1000	1139	992	1018	120	140	150	161
DN1200	1374	1176	1202	120	140	150	252

COMPACT DISMANTLING JOINT

DN100 to DN1200 RESTRAINED (PN35)

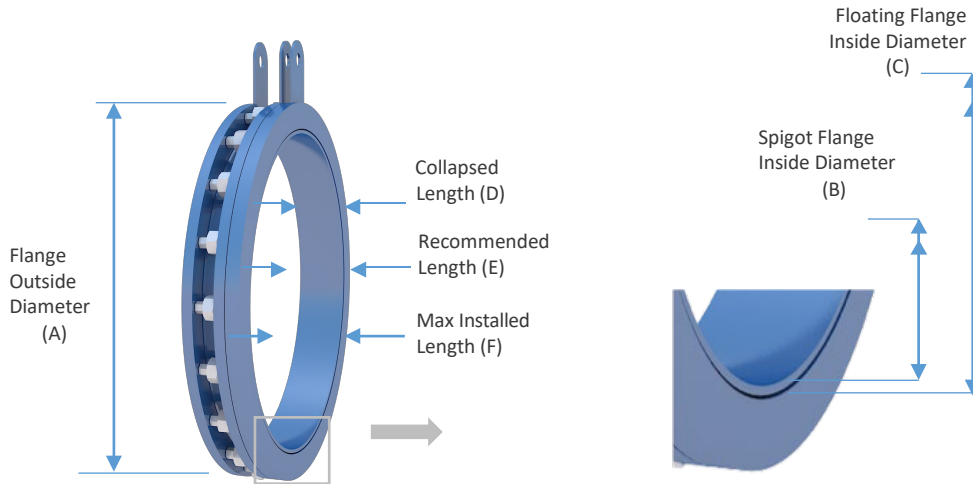


Flange Standard: AS4087 PN35

Size	Flange Outside Diameter (A)	Spigot Flange I.D. (Bore) (B)	Floating Flange I.D. (C)	Collapsed Length (D)	Recommended Installed Length (E)	Maximum Installed Length (F)	Weight (kg)
DN100	173	85	101	80	92	100	9
DN150	238	136	152	85	97	105	15
DN200	302	198	214	85	97	105	20
DN225	330	220	238	100	112	120	26
DN250	355	250	268	100	112	120	27
DN300	412	302	320	100	112	120	34
DN350	465	347	365	112	132	142	48
DN375	491	371	389	112	132	142	52
DN400	522	386	408	112	132	142	63
DN450	577	445	467	120	140	150	71
DN500	640	488	510	120	140	150	88
DN600	745	590	612	120	140	150	110
DN700	821	679	705	120	140	150	114
DN750	904	750	776	120	140	150	135
DN800	948	804	830	120	140	150	135
DN900	1066	906	940	130	150	160	181
DN1000	1155	1000	1030	130	150	160	191
DN1200	1399	1212	1254	130	150	160	284

COMPACT DISMANTLING JOINT

DN1400 to DN1800 RESTRAINED



Flange Standard: AS2129 TABLE D

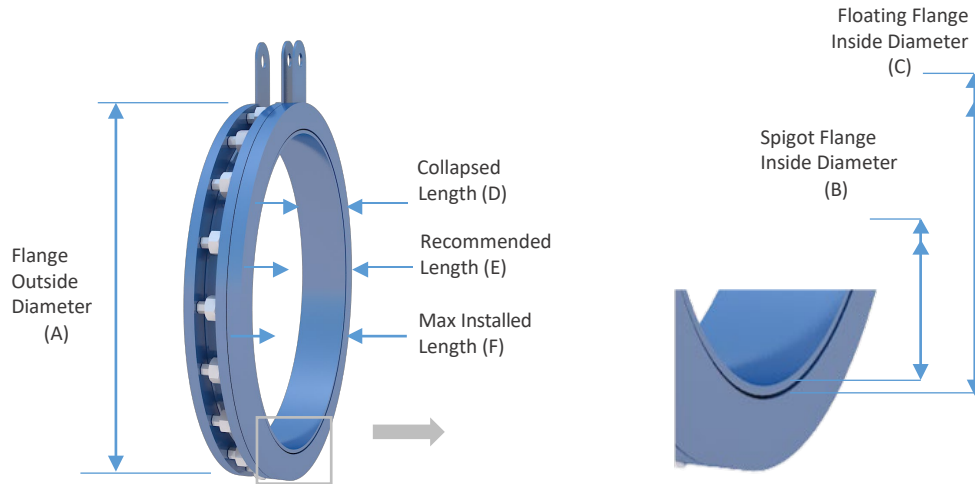
Size	Flange Outside Diameter (A)	Spigot Flange I.D. (Bore) (B)	Floating Flange I.D. (C)	Collapsed Length (D)	Recommended Installed Length (E)	Maximum Installed Length (F)	Weight (kg)
DN1400	1579	1400	1430	130	150	160	292
DN1600	1786	1600	1630	150	170	190	422
DN1800	1977	1800	1832	155	175	195	468

Flange Standard: AS4331.1/EN1092.1 PN16

Size	Flange Outside Diameter (A)	Spigot Flange I.D. (Bore) (B)	Floating Flange I.D. (C)	Collapsed Length (D)	Recommended Installed Length (E)	Maximum Installed Length (F)	Weight (kg)
DN1400	1542	1360	1386	140	160	170	323
DN1600	1765	1556	1586	170	195	210	538
DN1800	1965	1760	1784	170	195	210	594

COMPACT DISMANTLING JOINT

DN1400 to DN1800 RESTRAINED



Flange Standard: AS4331.1/EN1092.1 PN16

Size	Flange Outside Diameter (A)	Spigot Flange I.D. (Bore) (B)	Floating Flange I.D. (C)	Collapsed Length (D)	Recommended Installed Length (E)	Maximum Installed Length (F)	Weight (kg)
DN100	159	87	99.5	80	92	100	7
DN150	215	119	135.5	88	100	108	13
DN200	270	174	190.5	88	100	108	17
DN250	326	216	234	100	112	120	26
DN300	381	271	289	100	112	120	30
DN350	441	331	349	100	112	120	36
DN400	492	369	391	112	132	142	55

Flange Standard: AS4331.1/EN1092.1 PN25

Size	Flange Outside Diameter (A)	Spigot Flange I.D. (Bore) (B)	Floating Flange I.D. (C)	Collapsed Length (D)	Recommended Installed Length (E)	Maximum Installed Length (F)	Weight (kg)
DN100	165	69	85	88	100	108	9
DN150	221	115	131	100	112	120	16
DN200	281	171	187	100	112	120	22
DN250	337	214	236	112	132	142	36
DN300	397	273	395	112	132	142	44
DN350	454	323	345	120	140	150	55
DN400	511	373	395	120	140	150	67

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