

**Dismantling Joints, Flange Adaptor & Couplings**

**Dismantling Joints - Model 7000**

**Flange Adaptor - Model 8000**

**Couplings - Model 8500**

**AWWA C219 / ASME B 16.34 / ASME Sec. VIII Div. 1**

**Size - 4" to 160" ( 100mm to 4000mm)**

**Rating - Class 150 to Class 2500**

**Fabricated Design**

**Cast Steel Design**

**Dismantling Joints, Flange Adaptor & Couplings**

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# Dismantling Joints (DMJ) - Model 7000

# Flange Adaptor - Model 8000

# Flange Couplings - Model 8500



## Company Overview

“INVACO” (Industrial Valve Company) founded and promoted by the technocrats having experience of 18 years in National and International valve industry. INVACO PRIVATE LIMITED (Industrial Valve Company) is registered experience company in Design, Development, Fabrication & Manufacturing of Industrial Valves. Our mission is to produce high quality and reliable Valves to our national & international clients / customers. Our proactive approach to technical issues enables to understand and implement cost-effective solutions to our valuable customers.

“INVACO” (Industrial Valve Company) committed to excellence by manufacturing top quality valves to exceed customer’s needs with low cost, on-time delivery & providing finest service in industry. “INVACO” manufacture Ball valves (Floating & Trunnion Mounted), Butterfly Valves (Damper, Sleeved, Double offset & Triple Offset), Gate Valves, Globe Valves , Check Valves, Strainers, Flap Valves, Penstock / Sluice Gate, Dismantling Joints, Flange Adaptor & Flange Couplings, for all types of valves, Pumping Stations, Water Treatment Plant, Sewage Treatment Plant, Plant Room, Meter Chambers, Power Generation Equipments, Gas Distribution Station, etc..

“INVACO” (Industrial Valve Company) is specialized in design, manufacturing & testing of CAST & FABRICATED Dismantling Joints, Flange Adaptor & Couplings are designed as per AWWA C219, ASME B16.34, ASME Sec VIII Div. 1, ASME B31.3 and follows ISO 9001:2015 Quality Management Systems. INVACO, manufacture Strainers from 2” to 160” (50mm to 4000mm) with pressure range from Class 150,300 and equivalent EN pressure ratings. DMJ , Adaptor & Couplings manufactured from materials like CI, DI, Carbon Steel, Stainless Steel, Duplex and other special materials.



INVACO (Industrial Valve Company) aims to produced a zero defect valves for long life and reliable services. Making continual improvements aims towards to minimize the Total Ownership Cost for valued customers.

This catalog provides basic information of Dismantling Joints, Flange Adaptor & Couplings. Every effort has been made to maintain technical accuracies however INVACO has reserve rights to make any change in design and materials without prior notice.

## Manufacturing Range for DMJ, Adaptor & Couplings

Type	ASME CLASS / Size - in ( mm)		Other Classes Available on Request
	150#	300#	
<b>Dismantling Joints(DMJ)</b>	4” - 160” (100 - 4000 )	4” - 80” (100 - 2000 )	
<b>Flange Adaptor</b>	4” - 160” (100 - 4000 )	4” - 80” (100 - 2000 )	
<b>Flange Couplings</b>	4” - 160” (100 - 4000 )	4” - 80” (100 - 2000 )	

**Quality Policy**

At “INVACO”, we established this comprehensive Quality Management System to implement a strategy of continual improvement and compliance with the requirements of the ISO 9001:2008 Quality Assurance standard and other industrial valves standards by:

**Customer Focused:**

- Make commitments we fully understand and believe we can meet and deliver.
- Meet all commitments to customers on time.
- Satisfy our customer’s needs and exceed their expectations.

**Performance Driven:**

- Verify that our products and services meet customer requirements.
- Monitor benchmark and continuously improve our business, products, and services, organization and employee’s performance.

Entire “INVACO” stick to the spirit and intent of this policy to ensure customer satisfaction is achieved at all respects and times.



## Features of Dismantling Joints, Flange Adaptors & Flexible Couplings



INVACO Dismantling Joints are suitable for installation & removal of:-

- Skid Mounted Piping Systems
- All type of valves
- Flange, Pipe & Fittings
- Pump Stations & accessories
- Flow metering equipments

### Quality Standards:-

Design Standards	- ASME B16.34 / ASME Sec. VIII Div. 1 / AWWA C219
End to End Standards	- Maker's Standard
Flange Drilling Standards	- ASME B16.5 / ASME B 16.47 / BS EN 1092 / AWWA C 207
Marking	- MSS SP 25 / ASME B 16.34
Visual Inspection	- MSS SP 55
Material Testing	- NDE / NACE MR 01- 75 / NACE MR 01- 03 Compliance available.

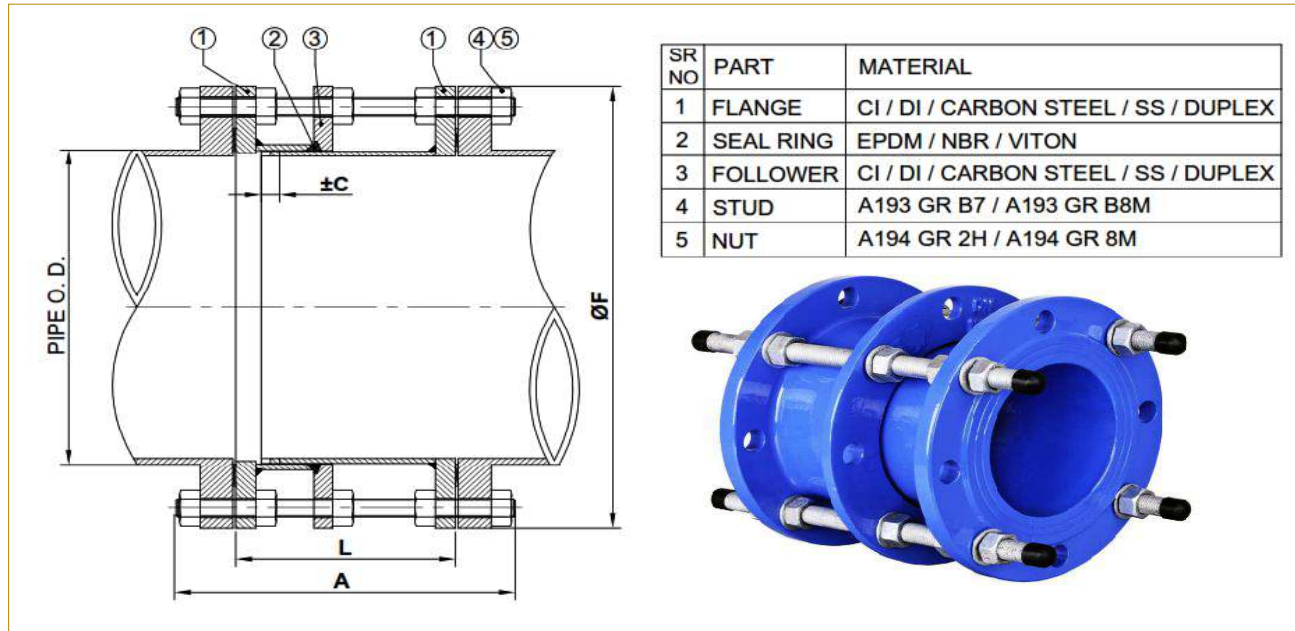
### Key Features:-

- |  |   |
|--|---|
| • Size :- 4" to 160" (100mm to 4000mm)           | • Rating:- 150# & 300# ,Other Class available       |
| • Casting / Fabricated Design                    | • Enables easy assembly & dismantling valve to pipe |
| • ± 25 tolerance (elongation) capability.        | • Robust / Rigid Design.                            |
| • Do not need additional equipments to assembly. | • Epoxy Coating ( WRAS approved)                    |

**Materials** - Cast Iron, Ductile Iron, Carbon Steel, Stainless Steel, Duplex, and other materials.

**Applications** – Flood Control, Municipal Projects, Farm Levees, Industrial Waste Line, Sewer Outlet, Water & Sewage Treatment Plants, Pump Discharge Control, Irrigation Systems, Tidal Drainage.

**Dimensions for Dismantling Joint (Model - 7000)**



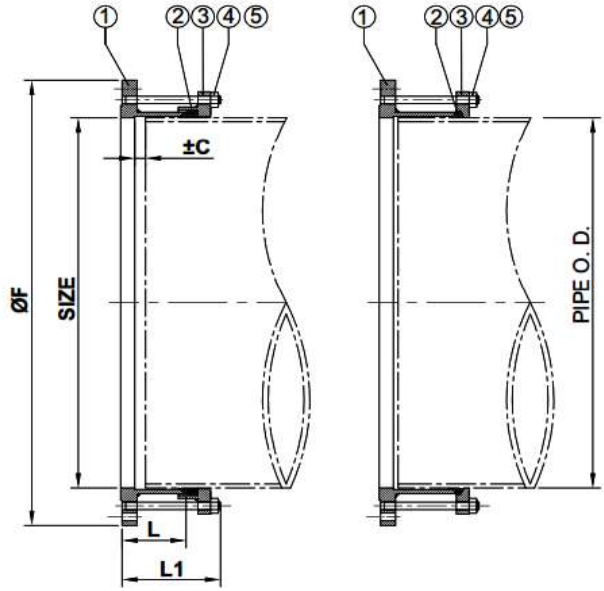
SR NO	PART	MATERIAL
1	FLANGE	CI / DI / CARBON STEEL / SS / DUPLEX
2	SEAL RING	EPDM / NBR / VITON
3	FOLLOWER	CI / DI / CARBON STEEL / SS / DUPLEX
4	STUD	A193 GR B7 / A193 GR B8M
5	NUT	A194 GR 2H / A194 GR 8M

Size		L	A	C	150#	300#	Size		L	A	C	150#	300#
in	mm	mm	mm	mm	ØF	ØF	in	mm	mm	mm	mm	mm	mm
3	80	185	293	±20	191	210	52	1300	352	735	±25	1625	1580
4	100	195	295	±20	230	255	56	1400	352	740	±25	1745	1710
6	150	195	295	±20	280	320	60	1500	352	745	±25	1855	1810
8	200	225	365	±20	345	380	64	1600	405	815	±25	1930	2025
10	250	225	385	±25	405	445	66	1650	405	815	±25	2032	---
12	300	225	395	±25	485	520	72	1800	452	925	±25	2197	2195
14	350	275	465	±25	535	585	78	1950	452	935	±25	2362	---
16	400	275	485	±25	595	650	80	2000	452	945	±25	2345	2425
18	450	275	485	±25	635	710	84	2100	452	960	±25	2534	---
20	500	305	525	±25	700	775	88	2200	452	960	±25	2550	---
22	550	305	535	±25	749	755	90	2250	473	976	±25	2705	---
24	600	305	545	±25	815	915	96	2400	473	990	±25	2877	---
26	650	305	545	±25	870	970	102	2550	502	1010	±35	3048	---
28	700	325	585	±25	925	1035	104	2600	502	1035	±35	2960	---
30	750	325	585	±25	985	1090	108	2700	502	1065	±35	3220	---
32	800	325	625	±25	1060	1150	112	2800	502	1095	±35	3180	---
36	900	345	655	±25	1170	1270	120	3000	565	1115	±35	3563	---
40	1000	345	695	±25	1290	1240	136	3400	603	1185	±35	3630	---
44	1100	345	695	±25	1405	1355	144	3600	655	1305	±35	4248	---
48	1200	352	725	±25	1510	1465	160	4000	655	1325	±35	4245	---


NOTE: \*\* Casting & Fabricated, Customized designs available as per customer requirement.  
 \*\* "INVACO" reserve rights to change Materials, Design & Dimensions anytime without prior notice.



**Dimensions for Flange Adaptor (Model - 8000)**



SR NO	PART	MATERIAL
1	FLANGE	CI / DI / CARBON STEEL / SS / DUPLEX
2	SEAL RING	EPDM / NBR / VITON
3	FOLLOWER	CI / DI / CARBON STEEL / SS / DUPLEX
4	STUD	A193 GR B7 / A193 GR B8M
5	NUT	A194 GR 2H / A194 GR 8M



Size		L1	L	C	150#	300#	Size		L1	L	C	150#	300#
					ØF	ØF						ØF	ØF
in	mm	mm	mm	mm	mm	mm	in	mm	mm	mm	mm	mm	mm
3	80	194	145	±20	191	210	52	1300	421	348	±25	1625	1580
4	100	194	145	±20	230	255	56	1400	457	369	±25	1745	1710
6	150	205	158	±20	280	320	60	1500	457	369	±25	1855	1810
8	200	205	158	±20	345	380	64	1600	502	405	±25	1930	2025
10	250	223	173	±25	405	445	66	1650	502	405	±25	2032	---
12	300	223	173	±25	485	520	72	1800	502	405	±25	2197	2195
14	350	286	187	±25	535	585	78	1950	502	405	±25	2362	---
16	400	286	187	±25	595	650	80	2000	556	466	±25	2345	2425
18	450	286	187	±25	635	710	84	2100	556	466	±25	2534	---
20	500	304	229	±25	700	775	88	2200	556	466	±25	2550	---
22	550	304	229	±25	749	755	90	2250	616	511	±25	2705	---
24	600	304	229	±25	815	915	96	2400	616	511	±25	2877	---
26	650	331	256	±25	870	970	102	2550	616	511	±35	3048	---
28	700	331	256	±25	925	1035	104	2600	655	547	±35	2960	---
30	750	331	256	±25	985	1090	108	2700	655	547	±35	3220	---
32	800	394	322	±25	1060	1150	112	2800	655	547	±35	3180	---
36	900	394	322	±25	1170	1270	120	3000	700	559	±35	3563	---
40	1000	394	322	±25	1290	1240	136	3400	700	559	±35	3630	---
44	1100	394	322	±25	1405	1355	144	3600	754	598	±35	4248	---
48	1200	421	348	±25	1510	1465	160	4000	754	598	±35	4245	---

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**Dimensions for Step Coupling & Flexible (Model - 8500S & 8500F)**

**STEP COUPLING (MODEL - 8500S)**

**FLEXIBLE COUPLING (MODEL - 8500F)**

SR NO	PART	MATERIAL
1	FLANGE	CI / DI / CARBON STEEL / SS / DUPLEX
2	FOLLOWER	CI / DI / CARBON STEEL / SS / DUPLEX
3	SEAL RING	EPDM / NBR / VITON
4	STUD	A193 GR B7 / A193 GR B8M
5	NUT	A194 GR 2H / A194 GR 8M

Size		L1	L	C						Size		L1	L	C
in	mm	mm	mm	mm	in	mm	mm	mm	mm	in	mm	mm	mm	mm
3	80	238	196	20±5	52	1300	562	457	45±5					
4	100	238	196	20±5	56	1400	562	457	45±5					
6	150	264	214	20±5	60	1500	562	457	45±5					
8	200	264	214	20±5	64	1600	562	457	45±5					
10	250	272	214	35±5	66	1650	598	493	45±5					
12	300	335	277	35±5	72	1800	598	493	45±5					
14	350	341	277	35±5	78	1950	610	493	45±5					
16	400	341	277	35±5	80	2000	610	493	55±5					
18	450	384	313	35±5	84	2100	665	548	55±5					
20	500	384	313	35±5	88	2200	665	548	55±5					
22	550	384	313	35±5	90	2250	679	548	55±5					
24	600	437	358	35±5	96	2400	679	548	55±5					
26	650	437	358	35±5	102	2550	744	601	55±5					
28	700	437	358	35±5	104	2600	744	601	55±5					
30	750	437	358	35±5	108	2700	744	601	55±5					
32	800	504	411	35±5	112	2800	744	601	65±5					
36	900	504	411	35±5	120	3000	823	668	65±5					
40	1000	504	411	45±5	136	3400	842	668	65±5					
44	1100	504	411	45±5	144	3600	854	668	65±5					
48	1200	504	411	45±5	160	4000	854	668	65±5					

NOTE: \*\* Casting & Fabricated, Customized designs available as per customer requirement.  
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Dismantling Joints, Flange Adaptor & Couplings

**INVACO PVT LTD**  
INDUSTRIAL VALVE COMPANY 



Dismantling Joints - Model 7000  
Flange Adaptor - Model 8000  
Couplings - Model 8500

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Your Local INVACO Representative -

We are 70 Km away from MUmbai International Airport.