

Expansion Fittings

For Rigid Metal Conduit & IMC

Type AF
Provides 4" conduit movement

Type AF-8
Provides 8" conduit movement

Use:
To allow for expansion and contraction in a run of rigid metal conduit.

For applications involving IMC a 15" min. length of rigid conduit should be used entering the expansion fitting due to the slightly smaller O.D. of the IMC.

Type AF provides for a maximum of 4" conduit movement (2" in either direction).

Type AF-8 provides for a maximum of 8" conduit movement (4" in either direction).

Features:

- Weatherproof
- Concretetight
- Includes insulating bushing
- Bonding jumpers

Material:

Malleable or Ductile Iron/
Hot Dip Galvanized

Optional Material:

Type AF and Type AF-8 expansion fittings are available in Copper-free Aluminum. Add letter "A" after Catalog Number (Example: AF-50A). Use AJJ jumpers

Third Party Certification:



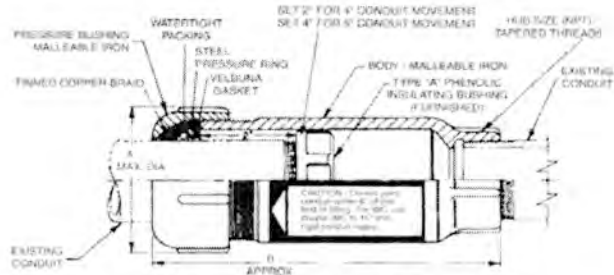
UL Listed: E31413
Wet or dry locations - use with Type BJ external bonding jumpers, per NEC 250.98

To Order Specify:

Specify bonding jumpers for steel conduit by Catalog Numbers in corresponding table.



Type AF-8 Provides for 8" Conduit Movement



Type AF Provides for 4" Conduit Movement

Trade Size (inches)	Catalog Number	Dimension in Inches		Catalog Number
		A Max Dia	B Overall Length	
4" Conduit Movement				Bonding Jumper - 14"
1/2	AF-50	2	6 1/4	AJ-0507-14
3/4	AF-75	2 1/4	6 3/8	AJ-0507-14
1	AF-100	2 5/8	6 5/8	AJ-1012-14
1 1/4	AF-125	3 1/8	6 5/8	AJ-1012-14
1 1/2	AF-150	3 1/2	6 5/8	AJ-1520-14
2	AF-200	4	7 1/8	AJ-1520-14
2 1/2	AF-250	4 1/2	7 1/2	AJ-2530-14
3	AF-300	5 3/8	8 1/8	AJ-2530-14
3 1/2	AF-350	6	8 1/2	AJ-3540-14
4	AF-400	6 5/8	8 5/8	AJ-3540-14
5	AF-500	8	9 1/2	AJ-5060-14
6				
8" Conduit Movement				Bonding Jumper - 24"
1/2	AF-8-50	2	10 1/4	AJ-0507-24
3/4	AF-8-75	2 1/4	10 3/8	AJ-0507-24
1	AF-8-100	2 5/8	10 5/8	AJ-1012-24
1 1/4	AF-8-125	3 1/8	10 5/8	AJ-1012-24
1 1/2	AF-8-150	3 1/2	10 5/8	AJ-1520-24
2	AF-8-200	4	11 1/8	AJ-1520-24
2 1/2	AF-8-250	4 1/2	11 1/2	AJ-2530-24
3	AF-8-300	5 3/8	12 1/8	AJ-2530-24
3 1/2	AF-8-350	6	12 1/4	AJ-3540-24
4	AF-8-400	6 5/8	12 3/8	AJ-3540-24
5	AF-8-500	8	13 1/2	AJ-5060-24
6				

Applicable Third Party Standards:

- UL Standard: 514B
- Fed. Spec: W-F-408E
- NEMA: FB-1

Deflection/Expansion Fittings

For Rigid Metal Conduit & IMC

Type DF

Use:

To compensate for movement in any direction between two conduit ends which they connect. Type DF fittings will withstand occasional vibration transmitted to conduit by rotating equipment or vehicular traffic.

These fittings will provide for a movement of $\frac{3}{4}$ " from the normal in all directions. Where they are used for angular movement they will allow for a deflection of 30° from the normal in any direction.

Fittings may be used with PVC conduit by using standard adapters in each end.

Features:

- Watertight (NEMA 4)
- Raintight
- Concretetight

Material:

End Couplings - Ductile Iron Zinc Coated

Sleeve - Silicone

NFPA Profile:

Flammability - Zero

Reactivity - Zero

UV Resistance - High

Bands - Stainless Steel

Bonding Jumper - Tinned Copper Braid

Third Party Certification:



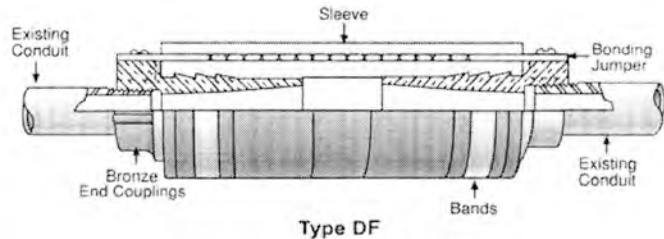
UL Listed: E31413

Applicable Third Party Standards:

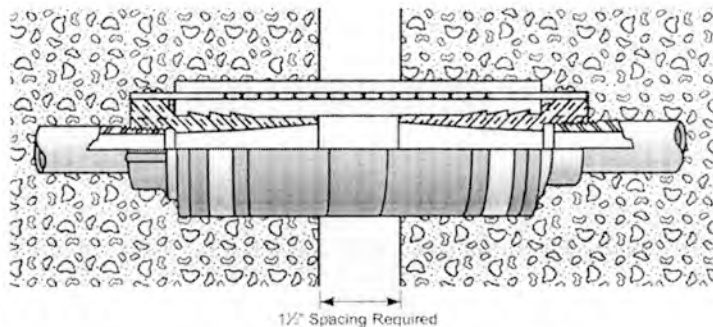
UL Standard: 514B

Fed. Spec: W-F-408E

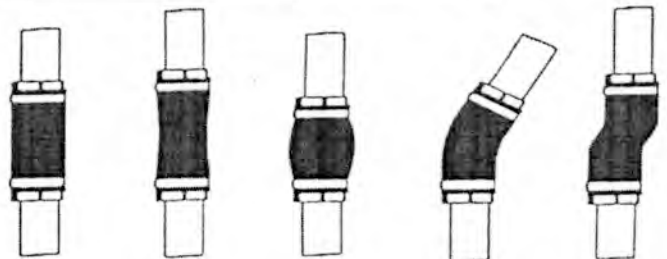
NEMA: FB-1



Type DF



Trade Size (inches)	Catalog Number	Dimensions in Inches	
		Max. Dia.	Overall Length
1/2	DF-50	2 1/4	6 3/4
3/4	DF-75	2 1/2	6 3/4
1	DF-100	2 3/4	7
1 1/4	DF-125	3 1/8	7 1/4
1 1/2	DF-150	3 1/8	7 1/4
2	DF-200	3 7/8	8 1/8
2 1/2	DF-250	4 3/8	8 1/2
3	DF-300	5	8 1/2
3 1/2	DF-350	5 3/4	9 1/4
4	DF-400	6 1/4	9 1/4
5	DF-500	7 1/4	9 3/8
6	DF-600	8 1/4	9 3/8



Normal

Expansion
(up to $\frac{3}{4}$ ")

Contraction
(up to $\frac{3}{4}$ ")

Misalignment
Angular
(up to 30°)

Misalignment
Parallel
(up to $\frac{3}{4}$ ")