

HFA Axial Expansion Joint

Standard model stainless steel axial expansion joint composed of single- or multi-ply unrestrained bellow, for mounting with flanges (weld-on) up the pipeline.

Available with optional inner sleeve for bellow's protection and improved stability. Couplings can be made out of various carbon-steel or stainless steel grades.

For detailed technical specifications on HFA axial expansion joints please check the following table and documents or [contact us](#).



Note | Type HFA - Axial Expansion Joint | 3D view

▶ Features

- ✔ stainless steel bellow
- ✔ axial movement compensation
- ✔ optional inner sleeve
- ✔ fixed (weld-on) flanges
- ✔ standard program available

▶ Technical Specifications

Type	Axial Stainless Steel
Series	HFA
Couplings	flanges (weld-on)
Size/Range	DN15-DN250
Pressure	PN16
Axial	yes
Lateral	no **
Angular	no **

* constructions with tie-rods are recommended for pressure thrust restraint and movement limitation

** limited lateral and angular movements are possible / acc. to individual quotation

▶ Standard Program

Nominal Diameter [mm]	Axial Movement [±mm]	Spring Rate [N/mm]	Overall Length [mm]	Approx. Weight [kg]
15	12	29	100	1.3
20	12	29	100	1.6
25	15	65	105	2.2
32	15	60	120	3.5
40	15	72	125	3.9
50	23	82	150	4.7
65	23	72	155	5.9
80	23	91	165	8.0
100	23	79	170	8.7
125	23	119	185	10.9
150	33	162	205	12.7
200	35	149	235	18.2
250	35	153	240	22.7

* overall length can be adjusted on individual request.