

# HWA

## Axial Expansion Joint

Standard model stainless steel axial expansion joint composed of single- or multi-ply unrestrained bellow, for mounting with welding ends 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 HWA axial expansion joints please check the following table and documents or [contact us](#).

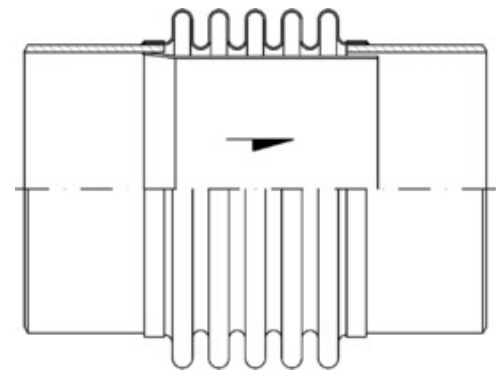


Note | Type HWA - Axial Expansion Joint | 3D view

### Features

- stainless steel bellow
- axial movement compensation
- optional inner sleeve
- welding ends
- standard program available

### Technical Specifications



Note | Type HWA - Axial Expansion Joint | dimensional sketch

Type	Axial Stainless Steel
Series	HWA
Couplings	weld-ends
Size/Range	DN15-DN250
Pressure	PN16
Axial	yes
Lateral	no **
Angular	no **

\* constructions with tie-rods are recommended for pressure thrust restraint and/or 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	175	0.1
20	12	29	175	0.2
25	15	65	185	0.3
32	15	60	185	0.4
40	15	72	190	0.5
50	23	82	205 / 220 **	0.8
65	23	72	230 / 240 **	1.2
80	23	91	230 / 240 **	1.7
100	23	79	230 / 250 **	2.2
125	23	119	270 / 280 **	3.3
150	33	162	270 / 315 **	4.3
200	35	149	300 / 355 **	6.5
250	35	153	300 / 355 **	8.0

\* overall length can be adjusted on individual request.

\*\* overall length for items with inner sleeve (HWAI)