



# BOSS™ AX2

## PN16 FLANGED AXIAL BELLOWS

### Data Sheet

#### General Description

Designed to accept linear expansion on Steel, copper and stainless steel pipe systems.

Standard product details are shown below, although these may vary dependant upon application and PED requirements.

#### Working Conditions

Pressure: 10 Bar (Higher Pressures Available)  
Temperature: 120 Degrees C  
Test: 1.5x Working

#### Material Specification

Flanges: Carbon Steel PN16 c/w Stainless steel facings  
(Stainless steel to all wetted areas)  
Convolutions: 316 Stainless Steel  
Internal Sleeve: 316 Stainless Steel

#### PED Requirements

All Bellows supplied are manufactured and certified in accordance with EU PED Legislation and as such carry the relevant CE certification where required.

BSS Code	Size (mm)	Axial Compression	Installed Length	Effective Area cm2	Force to Compress N/mm	Max Temp & Pressure
48023970	32nb / 35cu	30mm	130mm	14	39	120°C @ 10 Bar
48023981	40nb / 42cu	30mm	130mm	20	53	120°C @ 10 Bar
48023992	50nb / 54cu	50mm	225mm	32	53	120°C @ 10 Bar
48024009	65nb / 67cu	50mm	225mm	49	91	120°C @ 10 Bar
48024020	80nb / 76cu	50mm	230mm	66	99	120°C @ 10 Bar
48024031	100nb / 108cu	50mm	230mm	124	121	120°C @ 10 Bar
48024042	125nb / 133cu	60mm	240mm	180	117	120°C @ 10 Bar
48024053	150nb / 159cu	60mm	240mm	262	173	120°C @ 10 Bar
48024064	200nb	70mm	275mm	419	179	120°C @ 10 Bar
48024075	250nb	70mm	280mm	665	270	120°C @ 10 Bar
48024086	300nb	70mm	285mm	909	320	120°C @ 10 Bar

The anchor loads generated by this type of Axial Expansion Compensator are high. A bracket / guide with a low frictional resistance should be used in all bracket locations.

Please note these units are not suitable for use on a drop rod system and need to be suitably guided. Please ask for more information on our Low Friction Guides & Guide Clips as well as suitable anchor brackets.

#### Primary & Secondary Pipe Guide Spacings

