

# FIVC Expansion Joint

EPDM – PN 16 – Double Sphere Union – BSPT/Rc



FFC 02 series

## Technical data

### Main features and materials

- Rubber: EPDM
- Carcass: Nylon Cord Fabric
- Reinforcing wire: Spring Steel Wire
- Union coupling: Malleable Iron (*Zinc plated*)
- USP: Efficient in noise reduction due to effective multi-sphere structure incl. the vibration ansorption. Suitable for awide of high and low temperature applications.

### Field of applications

- Temperature range: -10 to 120 °C
- Max. working pressure: 16 bar
- Max. bursting pressure: 30 bar
- Vacuum rating: 400 mmHg

- Industrial Technologies
- Hot and cold water plants
- Heat and refrigerating, engine ring and air-conditioning

## Description

FIVC Expansion Joint with double sphere union is designed to be installed into pipelines for the purpose to avoid damage caused by stretching, compressing, deflecting, or displacing of pipes. The FIVC Expansion Joint is designed with multi-sphere structure that leads to better vibration absorpction and a noteworthy efficient noice reduction. It ensures a high working pressure as well as anti-burst and good elasticity.

FIVC Expansion Joint is suitable for a wide range of applications depending on the requested rubber material. With an EPDM rubber, the product is suitable for hot water, steam, oxidant, animal, and vegetable oils. The EPDM rubber has excellent resistance to sunlight and is good for high and low temperature applications.

With NBR rubber, the product is suitable for most hydrocarbons, oils, petroleum fuels, and hydraulic fluids. However, NBR rubber is not suitable for sunlight ageing, ozone and flame.

Neoprene rubber is suitable for water, sewage, oxidant, and non-aromatic hydrocarbons. It has good resistanse for oil and weathering.

## Alternative Product Versions

### Other standards

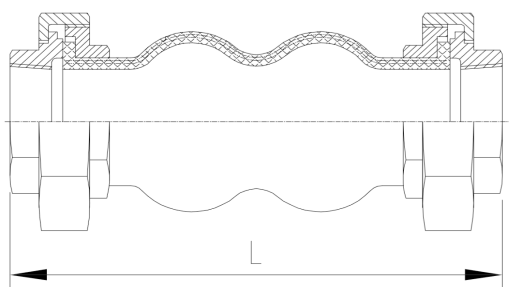
Rubber in NBR or Neoprene

Temperature range: NBR -10 to 82 °C or Neoprene -10 to 110 °C

## Declaration

The product has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014 and is CE marked.

## Dimensions



## Product Information

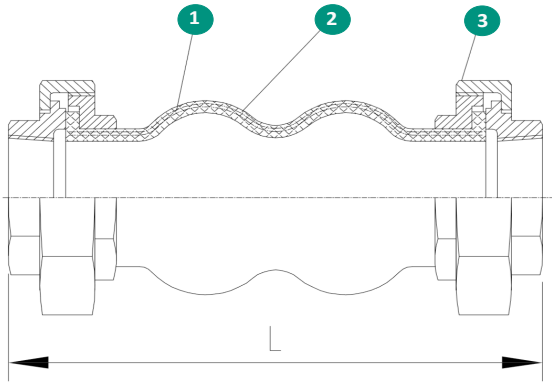
Product code	Size (DN)	L*	AC*	AE*	LM*	AM*	Kg
FFC020M16EPDM02	20	200	22	5~6	22	45°	0.75
FFC025M16EPDM02	25	200	22	5~6	22	45°	1
FFC032M16EPDM02	32	200	22	5~6	22	45°	1.4
FFC040M16EPDM02	40	200	22	5~6	22	45°	1.9
FFC050M16EPDM02	50	200	22	5~6	22	45°	2.6
FFC065M16EPDM02	65	240	22	5~6	22	45°	3.7

\*Dimensions are in millimeters • AC: Axial Compression • AE: Axial Elongation  
• LM: Lateral Movement • AM: Angular Movement (Cf. p. 2/2)

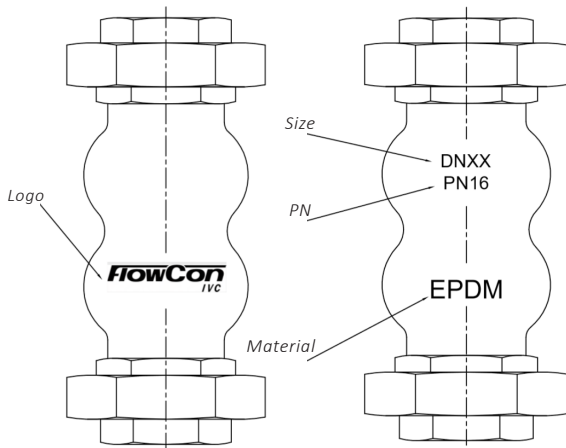
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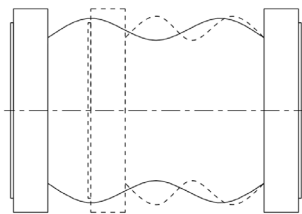
## Product Specification



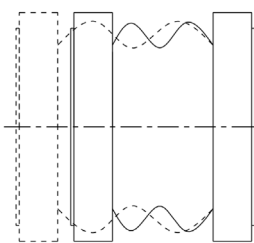
N°	Name	Material
1	Rubber	EPDM
2	Carcass	Nylon Cord Fabric
3	Union Coupling	Malleable Iron
4	Reinforcing wire	Spring Steel Wire



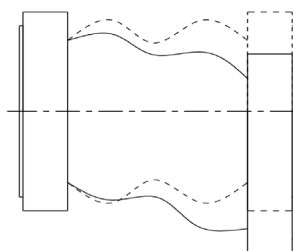
## Permits Movement



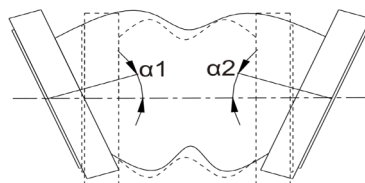
Axial Elongation



Axial Compression



Lateral movement



Angular movement