

NFC Flexible Connector

NFC10S

※ The model name of NFC-S product has changed to NFC10S



Screw Type

NFC10

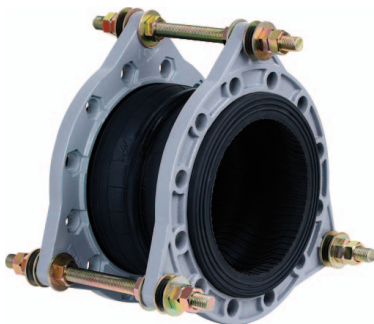
※ The model name of NFC-1 product has changed to NFC10



1Ball Type

NFC20

※ The model name of NFC-2 product has changed to NFC20



2Ball Type

■ Features

The flexible connector is mounted between pipes to absorb the stress resulting from the expansion and contraction of the pipe line and shut out the vibration caused by flow of fluid and vibration transferred from equipment. It also maintains an allowable connection error of pipe line, and by doing so, gives flexibility to the whole system.

- (a) Operating temperature: $-20^{\circ}\text{C} \sim +80^{\circ}\text{C}$
- (b) Operating pressure: for 10kgf/cm^2 and 20kgf/cm^2
- (c) Materials: NEOPRENE, EPDM

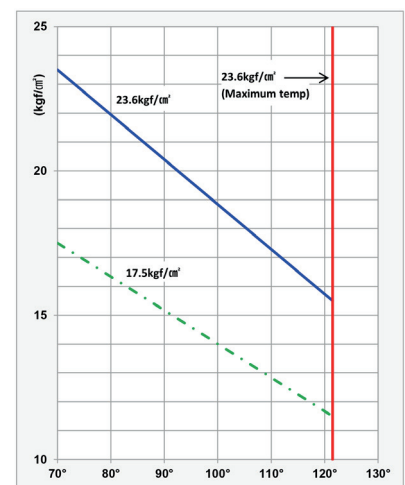
■ The composition of products

It is made of nylon tire cord, special synthetic rubber (NEOPRENE, EPDM) and piano steel wire. It has a stiffening ring between balls to avoid excessive expansion by internal pressure.

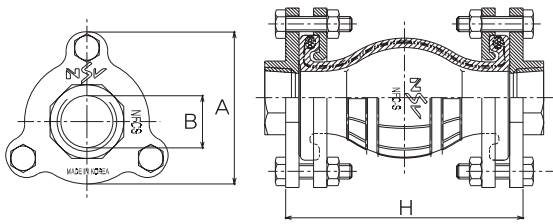
■ Product Special Feature

- (a) Excellent resistance against pressure. This product consist of synthetic rubber, nylon tire cord Fabric and piano steel wire. The destruction pressure is Within 55kgf/cm^2 and usage pressure is up to maximum 30kgf/cm^2 .
- (b) Large allowance of concentricity error. Due to Two arch structure, it has good flexibility to all direction. As having large amount of concentricity error allowance, this product protects equipment of pipe line from vibration or other shock damage.
- (c) Large allowance of banding angle and elasticity. This product has allowable banding angle and elasticity Enough to stand pipe-line movement owing to outside Impact.
- (d) Grate anti-vibration and anti-noise effect.
- (e) Good Water resistance, Thermal endurance, Weatherability and Chemical resistance.

■ Maximum Operating Pressure And Temperature



NFC Flexible Connector

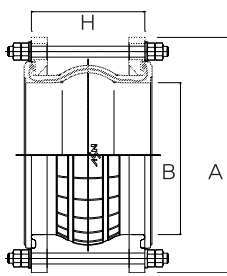


NFC10S (Screw Type)

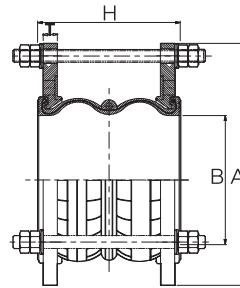
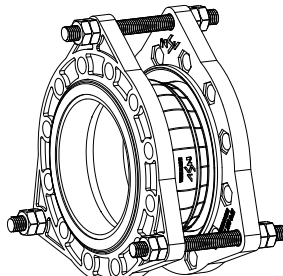
Dimension & Selection Guide

Type	Flange Dimension(mm)		
	A	B	H
NFC10S-25	81	25A	125
NFC10S-32	90	32A	143

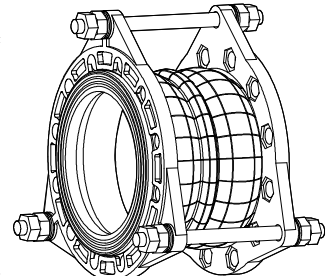
(NOTE) The mentioned size and scale can be altered to improve the quality performance and capacity of the product without any notice.



NFC10 (1Ball Type)



NFC20 (2Ball Type)



Dimension & Selection Guide

Type	Flange Dimension(mm)				Dimension(mm)				Qty of Control Rod	
	A	B	H (1Ball)	H (2Ball)	Compression	Height	Concentricity	Curve	10K	20K
NFC10(20)-32	140	32A	125	150	38	13	16	30°	2	2
NFC10(20)-40	140	40A	125	150		13	16	30°		
NFC10(20)-50	155	50A	125	150		13	16	30°		
NFC10(20)-65	175	65A	125	160		13	22	30°		
NFC10(20)-80	185	80A	125	160		19	22	30°	3	3
NFC10(20)-100	210	100A	150	180		19	22	29°		
NFC10(20)-125	250	125A	150	180		19	22	24°		
NFC10(20)-150	280	150A	150	180		19	22	20°		
NFC10(20)-200	330	200A	175	220		19	22	15°	4	4
NFC10(20)-250	400	250A	175	220		22	32	30°		
NFC10(20)-300	445	300A	200	220		22	32	30°		
NFC10(20)-350	490	350A	200	250		22	32	30°		
NFC10(20)-400	560	400A	250			22	32	29°		

(NOTE) The mentioned size and scale can be altered to improve the quality performance and capacity of the product without any notice.

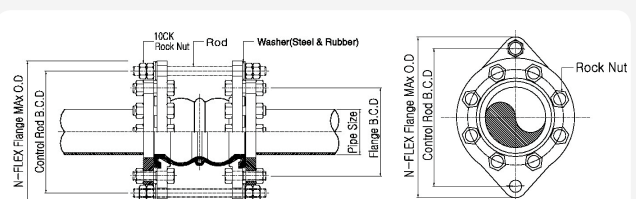
450A or larger products can be manufactured upon request



We use control rods with larger than 450A NFC products

Anchoring and Control rods of pipe line

When use a Flexible connector, pipe line should expand or contract by only one direction anchor rods for Preventing flexible connector cracking. Or installing control rods on the flange of flexible connector protect pipe Line from damage owing to over-expansion or over-contraction.



Control Rod Installation Details