

# Type YBJ-4S, 4W Bellows Type Expansion Pipe Joint (for Steel Pipe)

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This is used to absorb the axial-direction expansion and contraction of a pipeline that occurs according to temperature changes. Since it is an internal pressure type, it is buckling-free and ensures smooth expansion/contraction.



Type YBJ-4S



Type YBJ-4W

## ■ Features

- Absorb the expansion & contraction of pipelines by temperature changes.
- Outstanding level of corrosion resistance : Parts materials come into contact with fluid are made of stainless steel.
- Outer tube has been used to prevent damage to the bellows from impact.

## ■ Specifications

Type	YBJ-4S	YBJ-4W
Structure	Single type	Double type
Applicable fluid	Cold/hot water, Oil, Air, Steam	
Applicable pressure	Maximum 10kgf/cm <sup>2</sup> g	
Fluid temperature	220° C below	
Expansion/contraction length	35mm	70mm
End connection	KS D 3507 dimensions-based welded type	
Materials	Bellows	STS
	Outer tube	SGP
	Pipe	SPP
Hydraulic test pressure	15kgf/cm <sup>2</sup> g	

▶ The fixing bolt should be loosened after the hydro-pressure test.

## ■ Dimensions

### » Type YBJ-4S

(mm)

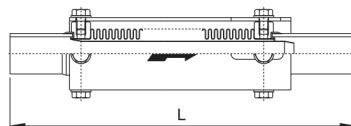
Size	L	Expansion/contraction length		Weight(kg)
		Expansion length	Contraction length	
25(1")	365	10	25	04.1
32(1¼")	365	10	25	04.1
40(1½")	365	10	25	05.2
50(2")	365	10	25	07.1
65(2½")	415	10	25	08.2
80(3")	415	10	25	10.3
100(4")	415	10	25	15.7

### » Type YBJ-4W

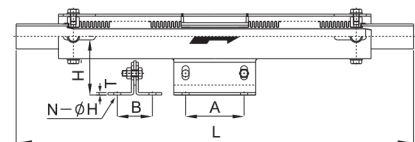
(mm)

Size	L	Expansion/contraction length		H	A	B	T	N-ø H	Weight(kg)
		Expansion length	Contraction length						
25(1")	680	20	50	100	100	060	2.5	4-12	08.7
32(1¼")	680	20	50	120	100	070	2.5	4-12	10.0
40(1½")	680	20	50	106	100	070	2.5	4-12	11.9
50(2")	680	20	50	130	100	080	2.5	4-15	15.2
65(2½")	780	20	50	140	120	100	3.0	4-15	15.8
80(3")	780	20	50	150	120	110	3.0	4-15	24.3
100(4")	880	20	50	170	120	130	4.0	4-19	37.5

## ■ Dimensional drawing



Type YBJ-4S



Type YBJ-4W