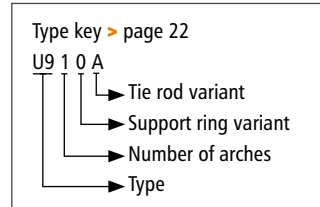


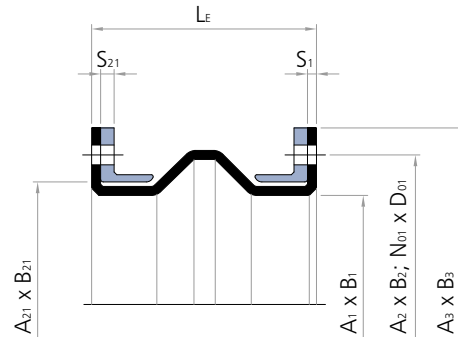
**U910A**     $\varnothing$  up to 4,000 x 4,000 mm  
                   $\varnothing$  up to 6,000 x 3,000 mm



> Type U910A



Cross section U910A



## Rectangular universal expansion joint with one or more arches

**Design:** Streamlined, single or multiple arch rubber bellows with full faced rubber flanges, designed to compensate all-directional movements, have a cycle life in the tens of millions, constructed with a high-grade leak-proof tube, multiple layers of high-strength cord, a seamless cover, and single-part backing flanges with support collar. Reducers, offset and oval styles, or rounded corners available. In compliance with FSA Technical Handbook and ASTM F1123 - 87.

**Dimensions:** Custom length x width  
 $\varnothing$  up to 4,000 x 4,000 mm or 6,000 x 3,000 mm

**Length:** Custom length

**Pressure:** Up to 10 bar depending on dimensions and length  
 Vacuum stability on request

**Movement:** For large axial and lateral movements






















**Application:**  
**Power plants, plant construction, food processing, wastewater treatment plants, industrial plants, paper industry e. g. to disconnect apparatus, for compressors**



Request assembly instructions at:  
[www.ditec-adam.de/en/contact](http://www.ditec-adam.de/en/contact)

## Bellows elastomers and reinforcements

Elastomer	Fabric	Marking	°C	Application
EPDM	Polyamid		-40   +100	Cooling water, hot water, seawater, acids, dilute chlorine compounds
EPDM	Aramid		-40   +100	Cooling water, hot water, seawater, acids, dilute chlorine compounds
EPDMht	Aramid		-40   +120	Cooling water, hot water, seawater, acids, dilute chlorine compounds
EPDMwras	Polyamid		-40   +100	Drinking water, foodstuffs
EPDMwras	Aramid		-40   +100	Drinking water, foodstuffs
EPDMbeige	Polyamid		-40   +100	Foodstuffs
EPDMbeige	Aramid		-40   +100	Foodstuffs
IIR	Polyamid		-20   +100	Hot water, acids, bases, gases
IIR	Aramid		-20   +100	Hot water, acids, bases, gases
CSM	Polyamid		-20   +100	Strong acids, bases, chemicals
CSM	Aramid		-20   +100	Strong acids, bases, chemicals
NBR	Polyamid		-30   +100	Oils, petrol, solvents, compressed air
NBR	Aramid		-30   +100	Oils, petrol, solvents, compressed air
NBRbeige	Polyamid		-30   +100	Oil, fatty foods
NBRbeige	Aramid		-30   +100	Oil, fatty foods
CR	Polyamid		-20   +90	Cooling water, slightly oily water, seawater
CR	Aramid		-20   +90	Cooling water, slightly oily water, seawater
FPM	Aramid		-20   +180	Corrosive chemicals, petroleum distillates
FPMbeige	Aramid		-20   +180	Oil, fatty foods
NR	Polyamid		-20   +70	Abrasive materials
Silicon	Aramid Glass		-60   +200	Air, saltwater atmosphere, foodstuffs, medical technology

PTFE-lining: Firmly embedded against chemical attacks on the interior at the rubber bellows.

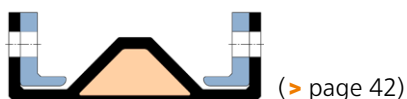
## Backing flanges

- Design:** Single- or multi-part backing flanges with support collar and clearance holes
- Flange norms:** According to customer specification
- Materials:** Carbon steel, stainless steel or aluminium
- Coating:** Primed, hot-dip galvanised, special paint

## Accessories

- Protective covers:** Ground protective shield  
Protective shield or cover  
Fire protective cover (> page 58)
- Flow liners:** Cylindrical flow liner  
Conical flow liner  
Telescoping flow liner (> page 57)

### Filled arch:



146 Universal expansion joints with full faced rubber flange



EPDM rubber bellow with angular offset for a coal mill work shop test pressure 15 bar to simulate explosion



Radiation resistant Silicone single arch rubber bellow with internal vacuum ring prepared for hydraulic testing installation on a high-pressure fan inside of a nuclear power plant



Triple arch FPM rubber bellow for decanter centrifuges