

# Pneumatic expansion coupling

## Series SPA

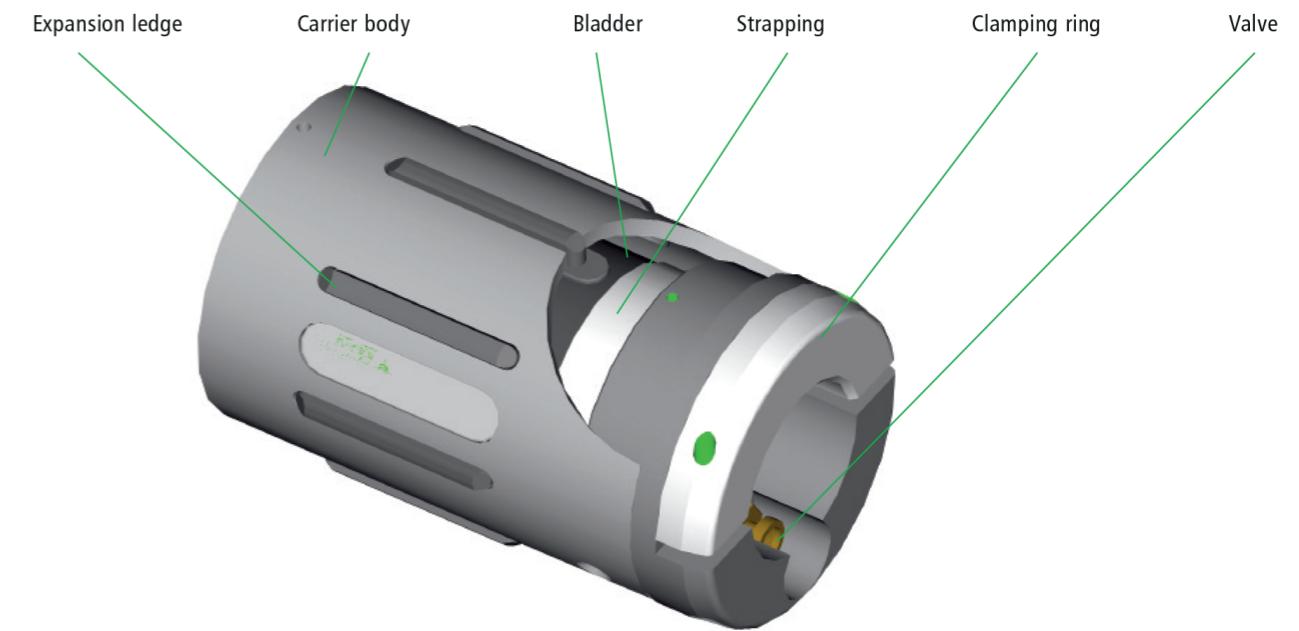
with individual expansion ledges

Vorwald expansion couplings with expansion ledges are based on the proven construction of the Series A expansion shaft. The expansion ledges are free moving. A hard-wearing, seamless bladder is seated in each expansion coupling, giving long service life even under the most difficult operating conditions. The internal bladder is designed for a permanent load of 6 bar.

The Vorwald expansion couplings are an economical alternative for the conventional mechanical constructions utilised for printing labels. The expansion coupling can be utilised in both winding directions and permits secure clamping both with regard to safe torque transmission as well as securing against axial displacement.

The coupling body is made of aluminium and is easy to handle, even with larger diameters, by virtue of its simple construction. The expansion ledges are in compartments and can expand/expand without any problems, by virtue of their freedom of movement.

The construction permits larger internal diameters than comparable designs, so that the couplings can be mounted on larger rods or winding shafts. The standard version is attached with a clamping ring. Flange versions are available too.



Expansion coupling, version A with polyurethane expansion ledges

Order number	Core internal Ø, mm	A: max. internal Ø, mm	max. squared size, mm	B: exp. ledges non-expanded, mm	C: exp. ledges expanded, mm	Number of expansion ledges	D: expansion ledge length, mm	E: total length, mm	Weight approx. kg	Material carrier body	Transferable torque [Nm]
SPA 61634	3" ≈ 76,2	38	-	74,6	79	8	50	127	1,0	Alu	40
SPA 61633	3" ≈ 76,2	40	-	74,6	79	8	50	127	1,0	Alu	40
SPA 61635	3" ≈ 76,2	-	30	74,6	79	8	50	127	1,0	Alu	40
SPA 61644	6" ≈ 152,4	75,2	-	150,5	157	12	50	160	2,5	Alu	80
SPA 61645	150	75,2	-	148,5	155	12	50	160	2,5	Alu	80

### Options

- Surface protection (nickel plating, anodising, chrome plating, and many more)
- Version suitable for the foodstuffs industry
- Various materials of the expansion ledges available
- Flange version
- Special dimensions are available on inquiry

### Advantages

- + Very quick conversion to other core diameters
- + Small weight of the coupling
- + Simple handling
- + Take-up bore according to customer specification

The standard sizes are 70, 76, 100, 150 and 152 mm

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