



ShrinkKit 3z1 is a family of three heat shrink tubing assortments in attractive and handy assembly kits. The range consists of ShrinkKit 3z1 Universal, ShrinkKit 3z1 Basic and ShrinkKit 3z1-A (a dual wall tubing). With their ideal shrink ratio of 3:1 these products re-place many differently sized tubing solutions by fitting almost any heat shrink requirements. Choosing the required product is simplicity itself as the tubings are clearly identified by size, length and content printed on every compartment of the assortment boxes.



The right tubing size at hand for any application: ShrinkKit 3z1 Universal, ShrinkKit 3z1-A and ShrinkKit 3z1 Basic.

## ShrinkKit 3z1 Universal

### Features and Benefits

The attractive and reusable kit is the solution for almost every heat shrink task. The big variety of sizes, colours and lengths offers a wide number of applications: insulation, bend protection or identification. The 3:1 shrink ratio can easily cope with substrates of varying diameter.

### Content

This kit contains a range of general purpose tubing lengths clearly sorted in various sizes and colours. Its ideal shrink ratio of 3:1 replaces many differently sized tubings. The application range from 1 mm to 20 mm can be covered with ShrinkKit 3z1 Universal.

### New Standard: Shrink Ratio 3:1



Shrink ratio 3:1 for a wider range of application.

#### Material Data

Material	<b>Polyolefin, cross-linked (POX)</b>
Shrink Ratio	<b>3:1</b>
Longitudinal change after shrinkage	<b>+5%/-10% max.</b>
Minimum Shrink Temperature	<b>+90 °C</b>
Operating Temperature	<b>-55 °C to +135 °C</b>
Insulation Class	<b>B (VDE 0530)</b>
Dielectric Strength	<b>20 kV/mm according to ASTM D 2671</b>
Flammability	<b>self-extinguishing (except for transparent)</b>

#### Technical Table

Article-No.	Comp.	Supplied Ø D	Recov. Ø d	Length (L)	Colour	Number of tubes
380-03002 ShrinkKit 3z1 Universal	1	6	2	603	Black (BK)	50
	2	12	4	100	Black (BK)	15
	3	24	8	200	Black (BK)	10
	4	6	2	60	Green-Yellow (GNYE)	50
	5	3	1	50	Transparent (CL)	100
	6	3	1	50	Black (BK)	100
	7	12	4	100	Transparent (CL)	15
	8	12	4	100	Red (RD)	15
	9	3	1	50	Red (RD)	100
	10	3	1	40	Blue (BU)	100
	11	3	1	40	Green-Yellow (GNYE)	100
	12	1.5	0.5	40	Black (BK)	75
	12	1.5	0.5	40	Green-Yellow (GNYE)	75
	13	6	2	60	Blue (BU)	50
	14	6	2	60	Red (RD)	50
	15	6	2	60	Transparent (CL)	50
	16	12	4	170	Green-Yellow (GNYE)	10
17	12	4	170	Blue (BU)	10	

All dimensions in mm. Subject to technical changes.



### ShrinKit 321-A

#### Features and Benefits

ShrinKit 321-A is dual wall heat shrink tubing with a 3:1 shrink ratio. The attractive and reusable kit is ideal for assembling and identification. The inner wall melts when heated and is forced into gaps. When the tubing cools down the adhesive forms a seal against the moisture and protects components. The black tubes are mainly used for the protection of connectors and splices, the clear tubing is ideal for the protection of printed label markers. ShrinKit 321-A covers a wide range of applications due to its ideal 3:1 shrink ratio.

When all tubing has been consumed the case can be re-used for storing nails, screws, nuts, fish hooks, et cetera. The size of the compartments can be changed by simply moving the yellow space dividers.

#### Content

This kit contains a range of general purpose tubing lengths clearly sorted. Four different sizes are included in black and clear.



ShrinKit 321-A: permanent protection of identification solutions.



ShrinKit 321-A.

**New:  
With Adhesive**

Material Data	
Material	<b>Polyolefin, cross-linked (POX)</b>
Shrink Ratio	<b>3:1</b>
Longitudinal change after shrinkage	<b>+1%/-15% max.</b>
Minimum Shrink Temperature	<b>+110 °C</b>
Operating Temperature	<b>-55 °C to +110 °C</b>
Dielectric Strength	<b>11,8 kV/mm according to ASTM D 2671</b>
Flammability	<b>self-extinguishing outer wall (black only)</b>

Technical Table						
Article-No.	Comp.	Supplied Ø D	Recov. Ø d	Length (L)	Colour	Number of tubes
380-03003 ShrinKit 321-A	1	24	8	200	Black (BK)	5
	2	12	4	65	Transparent (CL)	15
Pack Cont.	3	6	2	50	Black (BK)	20
	3	6	2	50	Transparent (CL)	20
	4	12	4	65	Black (BK)	15
	5	3	1	50	Black (BK)	50
	5	3	1	50	Transparent (CL)	50
	6	6	2	35	Black (BK)	30
	6	6	2	35	Transparent (CL)	30
	7	24	8	200	Transparent (CL)	5
	8	12	4	100	Black (BK)	15
	9	12	4	100	Black (BK)	15
	10	12	4	100	Transparent (CL)	15
11	3	1	40	Black (BK)	50	
11	3	1	40	Transparent (CL)	50	

All dimensions in mm. Subject to technical changes.



## ShrinKit 321 Basic

### Features and Benefits

This compact and handy kit is part of the basic toolbox for every assembler. Its ideal shrink ratio of 3:1 replaces many differently sized tubings. An application range from 1 mm to 16 mm can be covered with ShrinKit 321 Basic.

### Content

This kit contains a selection of widely used black tubing in seven sizes and different lengths.



ShrinKit 321 Basic.

### Material Data

Material	<b>Polyolefin, cross-linked (POX)</b>
Shrink Ratio	<b>3:1</b>
Longitudinal change after shrinkage	<b>+5%/-10% max.</b>
Minimum Shrink Temperature	<b>+90 °C</b>
Operating Temperature	<b>-55 °C to +135 °C</b>
Dielectric Strength	<b>20 kV/mm according to ASTM D 2671</b>
Flammability	<b>Self extinguishing</b>

### Technical Table

Article-No.	Comp.	Supplied Ø D	Recov. Ø d	Length (L)	Colour	Number of tubes
380-03001 ShrinKit 321 Basic	1	1.5	0.5	35	Black (BK)	50
	2	6	2	35	Black (BK)	30
Pack Cont.	3	3	1	35	Black (BK)	25
	4	6	2	35	Black (BK)	15
	5	6	2	35	Black (BK)	15
	6	3	1	35	Black (BK)	25
	7	1.5	0.5	35	Black (BK)	50
	8	18	6	80	Black (BK)	5
	8	12	4	80	Black (BK)	5

All dimensions in mm. Subject to technical changes.