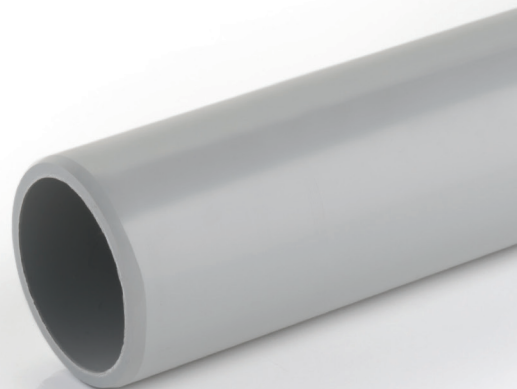




*Aliaxis*



**PIPE ISO-UNI**

PVC-C

TemperFIP100® pressure pipe

# PIPE ISO-UNI

Pipes under pressure with cold chemical weld jointing systems (solvent welding) using suitable solvent cement (TemperGLUE WELD-ON) and primer-cleaner.

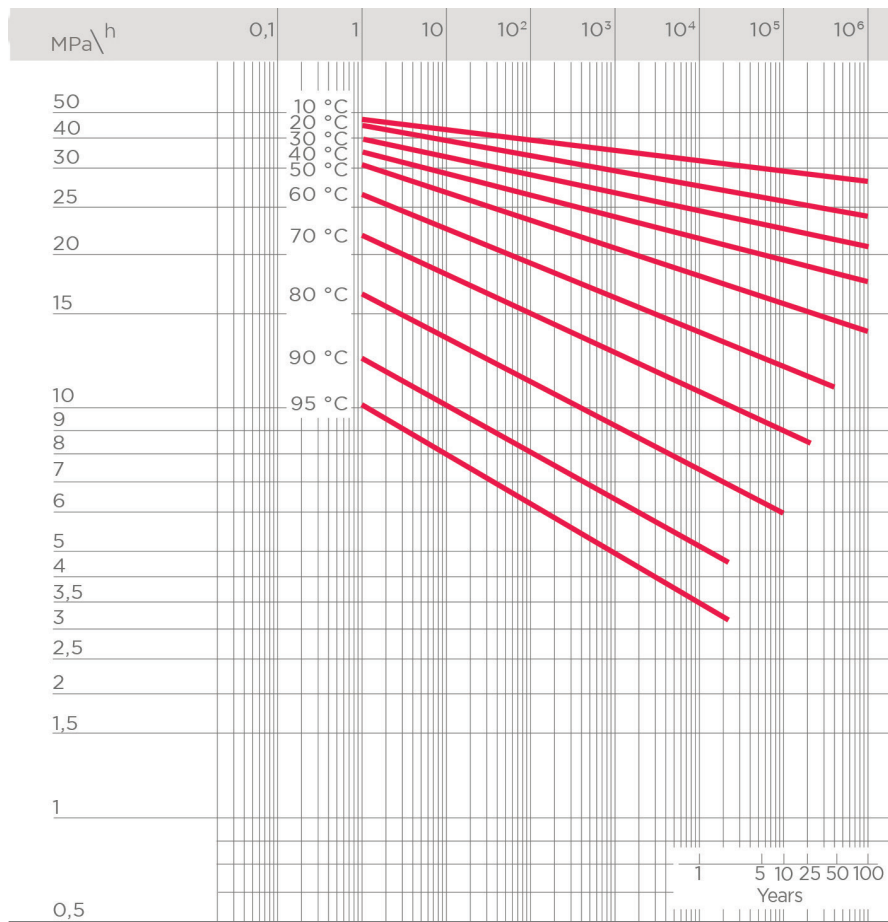
## TEMPERFIP100® PRESSURE PIPE

Technical specifications	
<b>Size range</b>	d 16 ÷ d 225 (mm)
<b>Nominal pressure</b>	SDR 13.6 (PN16) with water at 20° C SDR 21(PN10) with water at 20° C
<b>Temperature range</b>	0 °C ÷ 100 °C
<b>Coupling standards</b>	<b>Solvent welding:</b> EN ISO 15493
<b>Reference standards</b>	<b>Construction criteria:</b> EN ISO 15493 <b>Test methods and requirements:</b> EN ISO 15493 <b>Installation criteria:</b> DVS 2204, DVS 2221, UNI 11242
<b>Material</b>	PVC-C

# TECHNICAL DATA

## REGRESSION CURVE FOR PVC-U PIPE

Regression coefficients in accordance with standard EN ISO 15493 for minimum MRS = 25 N/mm<sup>2</sup> (MPa).

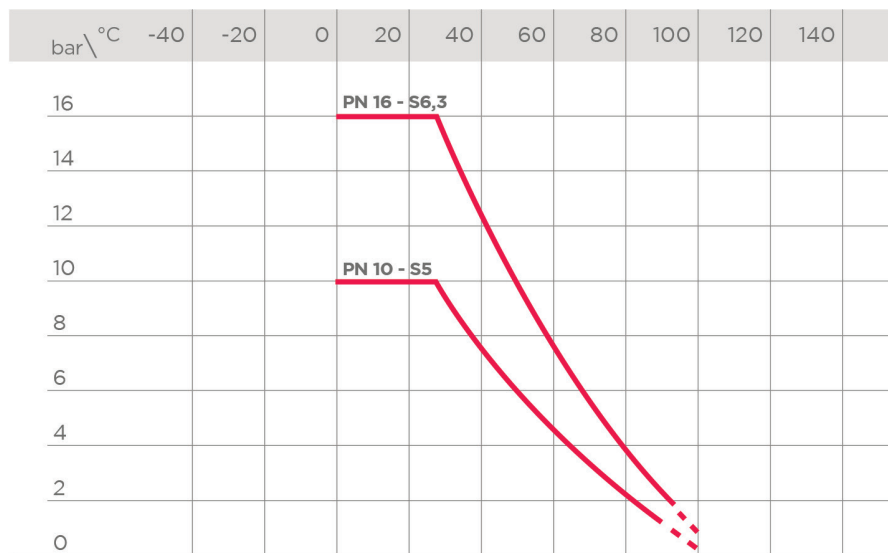


## PRESSURE VARIATION ACCORDING TO TEMPERATURE

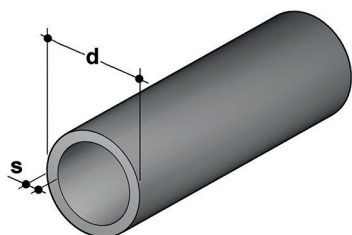
For water and non-hazardous fluids for which the material is classified as CHEMICALLY RESISTANT (life expectancy 25 years). In other cases, a reduction of the nominal pressure PN is required.

### Note

When using PVC-C at working temperatures higher than 90°, it is advisable to first contact the service centre.



# DIMENSIONS

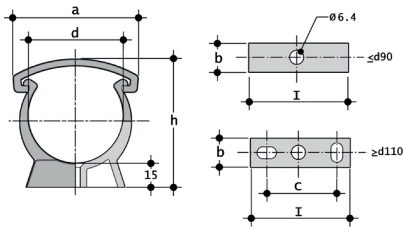


## TemperFIP100® PRESSURE PIPE

PVC-C Corzan® pressure pipe according to standards EN ISO 15493 and DIN 8079/8080, light grey RAL 215, standard length 5m

d	DN	S mm	kg/m	PN16 SDR 13,6 - S6,3 Code
16	10	1,2	0,110	PIPEC13016
20	15	1,5	0,170	PIPEC13020
25	20	1,9	0,260	PIPEC13025
32	25	2,4	0,420	PIPEC13032
40	32	3,0	0,630	PIPEC13040
50	40	3,7	0,970	PIPEC13050
63	50	4,7	1,530	PIPEC13063
75	65	5,6	2,200	PIPEC13075
90	80	6,7	2,880	PIPEC13090
110	100	8,2	4,310	PIPEC13110
160	150	11,8	9,040	PIPEC13160

d	DN	S mm	kg/m	PN10 SDR 21 - S10 Code
110	100	5,3	2,890	PIPEC21110
160	150	7,7	6,060	PIPEC21160
225	200	10,8	12,200	PIPEC21225

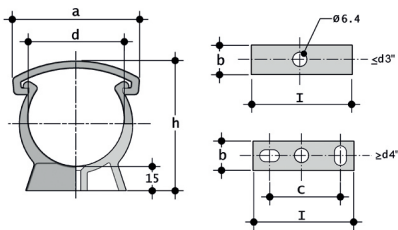


## ZIKM

Pipe clip for ISO-DIN pipes in PP\*

d	a	b	C	h	I	Code
16	26	18	-	33	16	ZIKM016
20	33	14	-	38	20	ZIKM020
25	41	14	-	44	25	ZIKM025
32	49	15	-	51	32	ZIKM032
40	58	16	-	60	40	ZIKM040
50	68	17	-	71	60	ZIKM050
63	83	18	-	84	63	ZIKM063
75	96	19	-	97	75	ZIKM075
90	113	20	-	113	90	ZIKM090
110	139	23	40	134	125	ZIKM110
125	158	25	60	151	140	ZIKM125
140	177	27	70	167	155	ZIKM140
160	210	30	90	190	180	ZIKM160
180	237	33	100	211	200	ZIKM180

\*for pipe support systems, refer to guidelines DVS 2210-1 (Planning and execution - above-ground pipe systems)  
\*\*resale product

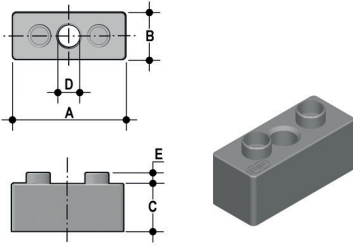


## ZAKM

Pipe clip for ASTM pipes in PP\*

d	a	b	C	h	I	Code
**3/8"	26	13	-	34	16	ZAKM038
**1/2"	33	14	-	39	20	ZAKM012
**3/4"	41	14	-	45	25	ZAKM034
**1"	49	15	-	52	32	ZAKM100
**1 1/4"	58	16	-	61	40	ZAKM114
**1 1/2"	68	17	-	67	50	ZAKM112
**2"	83	18	-	80	63	ZAKM200
**2 1/2"	96	19	-	96	75	ZAKM212
**3"	118	20	-	110	90	ZAKM300
**4"	140	25	60	135	140	ZAKM400
**6"	197	30	90	196	180	ZAKM600

\*for pipe support systems, refer to guidelines DVS 2210-1 (Planning and execution - above-ground pipe systems)  
\*\*resale product



## DSM

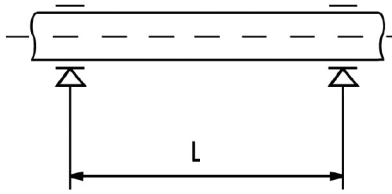
Distance plates in PP for ZIKM pipe clips\*

d	A	B	C	D	E	Pack	Master	Code
32	33	16	14	8	4	20	120	DSM032
40	41	17	17	8	4	10	80	DSM040
50	51	18	17	8	4	10	50	DSM050
63	64	19	22,5	8	4	10	40	DSM063
75	76	20	34,5	8	4	10	40	DSM075

\*for pipe support systems, refer to guidelines DVS 2210-1 (Planning and execution - above-ground pipe systems)  
 \*\*resale product

# INSTALLATION

## POSITIONING OF ZIKM AND ZAKM PIPE CLIPS



The installation of thermoplastic pipe systems requires the use of support clips to prevent flexing and the resulting mechanical stresses. The distance between the clips depends on the pipe material, SDR, surface temperature and the density of the conveyed fluid. Before installing the clips, check the distances reported in the table below, as provided for by guidelines DVS 2210-01 for water pipes.

### Supporting PVC-C pipes conveying liquids of density 1 g/cm<sup>3</sup> (water and other fluids of equal intensity).

For pipes of SDR 13.6 / S 6.3 / PN 16:

d mm	< 20 °C	30 °C	40 °C	50 °C	60 °C	70 °C	80 °C	90 °C
16	1000	1150	900	850	750	675	600	500
20	1150	1100	1025	950	875	775	700	600
25	1200	1150	1100	1000	900	800	700	600
32	1350	1250	1200	1100	1000	900	800	700

For pipes of SDR 21 / S 10 / PN 10:

d mm	< 20 °C	30 °C	40 °C	50 °C	60 °C	70 °C	80 °C	90 °C
40	1500	1400	1300	1250	1150	1050	900	800
50	1650	1600	1500	1400	1300	1200	1100	900
63	1850	1750	1650	1600	1500	1350	1250	1050
75	2050	1950	1850	1750	1650	1500	1350	1200
90	2250	2100	2000	1900	1800	1650	1500	1300
110	2500	2350	2200	2100	1950	1800	1650	1450
125	2650	2500	2350	2250	2100	1950	1750	1550
140	2800	2650	2500	2350	2200	2050	1820	1650
160	3000	2850	2700	2550	2400	2200	2000	1750
180	3150	3000	2850	2700	2500	2300	2100	1850
200	3350	3150	3000	2850	2650	2450	2200	1950
225	3550	3350	3200	3000	2800	2600	2350	2100
250	3750	3550	3350	3150	3000	2750	2500	2200
280	3950	3750	3550	3350	3150	2900	2650	2350
315	4200	4000	3750	3550	3350	3050	2800	2450
355	4450	4250	4000	3800	3550	3250	2950	2650
400	4750	4500	4250	4000	3750	3450	3150	2800

For different SDR values, multiply the data in the table by the following factors:

1.08 for SDR 13.6 / S6.3 / PN16 size range d40 - d400

1.12 for SDR 11 / S5 / PN20 entire size range

### Supporting PVC-C pipes conveying liquids of density other than 1 g/cm<sup>3</sup>.

If the liquid being conveyed has a density other than 1 g/cm<sup>3</sup>, the distance L in the table must be multiplied by the factors in the table below.

Fluid density in g/cm <sup>3</sup>	Support factor
1,25	0,96
1,50	0,92
< 0,01	1,40 for SDR21 / S10 / PN10 1,27 for SDR13,6 / S6,3 / PN16 1,23 for SDR11 / S5 / PN20