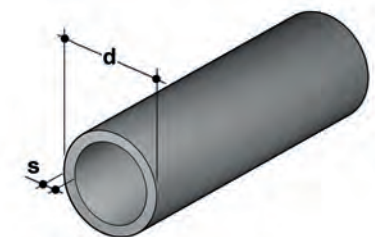


# DIMENSIONS

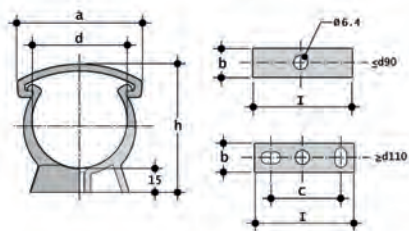


## TemperFIP100® PRESSURE PIPE

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  | 1,4  | 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 | 8,1  | 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             |



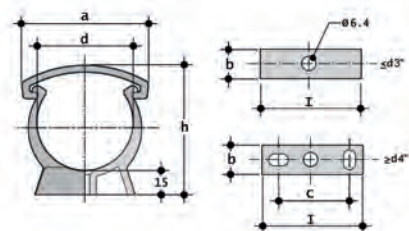
## ZIKM

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



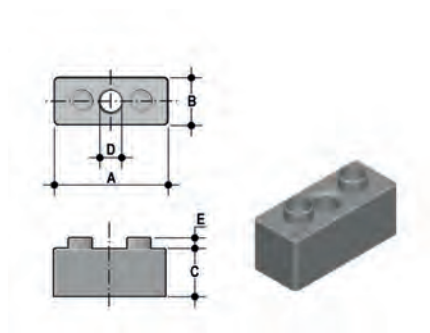
## ZAKM

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\*

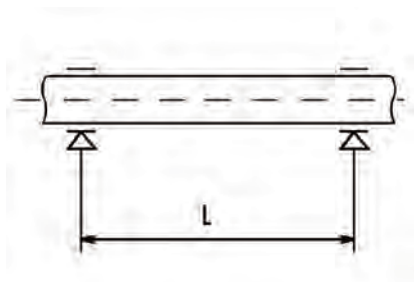
| d  | A  | B  | C    | D | E | Pack | Master | Code   |
|----|----|----|------|---|---|------|--------|--------|
| 32 | 33 | 16 | 14   | 8 | 4 | 20   | 120    | DSM032 |
| 40 | 41 | 17 | 17   | 8 | 4 | 10   | 80     | DSM040 |
| 50 | 51 | 18 | 17   | 8 | 4 | 10   | 50     | DSM050 |
| 63 | 64 | 19 | 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<br>1,27 for SDR13,6 / S6,3 / PN16<br>1,23 for SDR11 / S5 / PN20 |