



Pipe Ring Selector - PVC Pipes

Pipe Types		Pipe Rings		
BS EN 1329 metric series application area B	BS 3505 (class E)	Item #	Description	Frec acc. to RAL (N)
		2073431	MP-PI 11-15 1/4" M8	750
	17.3	2073432	MP-PI 16-20 3/8" M8	750
	21.5	2073433	MP-PI 20-24 1/2" M8	750
	26.9	2073434	MP-PI 25-28 3/4" M8	750
32	1"	2073435	MP-PI 32-36 1" M8	750
40	1 1/4"	2073436	MP-PI 38-46 1 1/4" M8	750
50	1 1/2"	2073437	MP-PI 48-53 1 1/2" M8	750
		2073438	MP-PI 54-58 M8	1250
63	2"	2073439	MP-PI 59-66 2" M8	1250
		2073470	MP-PI 67-73 M8/M10	1250
75 / 80		2073471	MP-PI 75-80 2 1/2" M8/M10	1250
82		2073472	MP-PI 81-87 M8/M10	1250
90	3"	2073473	MP-PI 87-92 3" M8/M10	1250
100		2073474	MP-PI 99-105 3 1/2" M8/M10	1250
110	4"	2073475	MP-PI 107-115 4" M8/M10	1500
125		2073476	MP-PI 120-128 M8/M10	1500
		2073477	MP-PI 129-134 M8/M10	1500
140	5"	2073478	MP-PI 135-143 5" M8/M10	1500
160		2073479	MP-PI 149-161 M8/M10	1500
	6"	2073480	MP-PI 162-170 6" M8/M10	1500
180		2073481	MP-PI 177-182 M8/M10	1750
200		2073482	MP-PI 192-204 M8/M10	1750
		2073483	MP-PI 207-219 M8/M10	2250
	8"	2073484	MP-PI 218-226 8" M12	2250
250		2073485	MP-PI 242-253 M12	2500
	10"	2073486	MP-PI 272-281 10" M12	2500
315	12"	2073487	MP-PI 313-326 12" M12	2500

Note 1. Max recommended support spacing; guidance values based on DIN 1988-2, considering tensile stress to pipe and recommended load values of pipe rings
2. Instructions of pipe suppliers regarding support spacing have to be considered in addition



Application Data		Pipe Rings	
Pipe Weight (filled with water)	Max. rec support spacing	Item #	Description
BS EN 1329 (kg/m)	BS EN 1329 (m)	2073431	MP-PI 11-15 1/4" M8
		2073432	MP-PI 16-20 3/8" M8
0.3	0.80	2073433	MP-PI 20-24 1/2" M8
0.4	0.90	2073434	MP-PI 25-28 3/4" M8
0.6	0.95	2073435	MP-PI 32-36 1" M8
0.9	1.0	2073436	MP-PI 38-46 1 1/4" M8
1.4	1.15	2073437	MP-PI 48-53 1 1/2" M8
2.2	1.25	2073438	MP-PI 54-58 M8
		2073439	MP-PI 59-66 2" M8
3.4	1.4	2073470	MP-PI 67-73 M8/M10
		2073471	MP-PI 75-80 2 1/2" M8/M10
5.4	1.50	2073472	MP-PI 81-87 M8/M10
5.7	1.60	2073473	MP-PI 87-92 3" M8/M10
6.8	1.65	2073474	MP-PI 99-105 3 1/2" M8/M10
8.3	1.70	2073475	MP-PI 107-115 4" M8/M10
10.1	1.75	2073476	MP-PI 120-128 M8/M10
12.9	1.80	2073477	MP-PI 129-134 M8/M10
		2073478	MP-PI 135-143 5" M8/M10
16.1	1.80	2073479	MP-PI 149-161 M8/M10
21.0	1.85	2073480	MP-PI 162-170 6" M8/M10
		2073481	MP-PI 177-182 M8/M10
26.5	1.90	2073482	MP-PI 192-204 M8/M10
32.7	1.95	2073483	MP-PI 207-219 M8/M10
		2073484	MP-PI 218-226 8" M12
41.4	2.60	2073485	MP-PI 242-253 M12
51.0	2.20	2073486	MP-PI 272-281 10" M12
64.3	2.80	2073487	MP-PI 313-326 12" M12
81.0	90.5		
	2.40		
	2.80		

Pipe Types		Pipe Rings	
DIN EN 1519	DIN 8074 DIN 16842 (SDR 17 -each)	Item #	Description
		2073431	MP-PI 11-15 1/4" M8
		2073432	MP-PI 16-20 3/8" M8
		2073433	MP-PI 20-24 1/2" M8
		2073434	MP-PI 25-28 3/4" M8
		2073435	MP-PI 32-36 1" M8
32	32	2073436	MP-PI 38-46 1 1/4" M8
40	40	2073437	MP-PI 48-53 1 1/2" M8
50	50	2073438	MP-PI 54-58 M8
56		2073439	MP-PI 59-66 2" M8
63	63	2073470	MP-PI 67-73 M8/M10
		2073471	MP-PI 75-80 2 1/2" M8/M10
75 / 80	75	2073472	MP-PI 81-87 M8/M10
90	90	2073473	MP-PI 87-92 3" M8/M10
100		2073474	MP-PI 99-105 3 1/2" M8/M10
110	110	2073475	MP-PI 107-115 4" M8/M10
125	125	2073476	MP-PI 120-128 M8/M10
		2073477	MP-PI 129-134 M8/M10
		2073478	MP-PI 135-143 5" M8/M10
160	160	2073479	MP-PI 149-161 M8/M10
		2073480	MP-PI 162-170 6" M8/M10
		2073481	MP-PI 177-182 M8/M10
200	200	2073482	MP-PI 192-204 M8/M10
		2073483	MP-PI 207-219 M8/M10
	225	2073484	MP-PI 218-226 8" M12
250	250	2073485	MP-PI 242-253 M12
	280	2073486	MP-PI 272-281 10" M12
315	315	2073487	MP-PI 313-326 12" M12

Application Data		Pipe Rings	
Pipe Weight (filled with water)	Max. rec support spacing	Item #	Description
DN EN 1519 (kg/m)	DIN 8074 DIN 16842 (kg/m)	2073431	MP-PI 11-15 1/4" M8
		2073432	MP-PI 16-20 3/8" M8
		2073433	MP-PI 20-24 1/2" M8
		2073434	MP-PI 25-28 3/4" M8
		2073435	MP-PI 32-36 1" M8
0.8	0.8	2073436	MP-PI 38-46 1 1/4" M8
1.3	1.3	2073437	MP-PI 48-53 1 1/2" M8
2.0	2.0	2073438	MP-PI 54-58 M8
2.5		2073439	MP-PI 59-66 2" M8
3.1	3.1	2073470	MP-PI 67-73 M8/M10
		2073471	MP-PI 75-80 2 1/2" M8/M10
5.0	4.4	2073472	MP-PI 81-87 M8/M10
		2073473	MP-PI 87-92 3" M8/M10
6.4	6.4	2073474	MP-PI 99-105 3 1/2" M8/M10
7.9		2073475	MP-PI 107-115 4" M8/M10
9.5	9.5	2073476	MP-PI 120-128 M8/M10
12.3	12.3	2073477	MP-PI 129-134 M8/M10
		2073478	MP-PI 135-143 5" M8/M10
	15.4	2073479	MP-PI 149-161 M8/M10
20.1	20.1	2073480	MP-PI 162-170 6" M8/M10
		2073481	MP-PI 177-182 M8/M10
	25.4	2073482	MP-PI 192-204 M8/M10
31.4	31.4	2073483	MP-PI 207-219 M8/M10
		2073484	MP-PI 218-226 8" M12
	39.8	2073485	MP-PI 242-253 M12
	49.1	2073486	MP-PI 272-281 10" M12
	61.6	2073487	MP-PI 313-326 12" M12
77.9	77.9		
	2.20		
	2.90		

Note 1. Max. recommended support spacing; guidance values based on DIN 1988-2, considering tensile stress to pipe and recommended load values of pipe rings
2. Instructions of pipe suppliers regarding support spacing have to be considered in addition



Pipe Ring Selector - PE / HDPE Pipes

Pipe Ring Selector - Steel Pipes

Pipe Types				Pipe Rings		
DIN EN 10220	DIN EN 10255 (medium)			MP-PI		
Nominal - Ø (mm)	Outside - Ø (mm)	Size (Inch)	Outside - Ø (mm)	Item #	Description	Freq. acc. to RAL (N)
8	14.0	1/4"	13.5	2073431	MP-PI 11-15 1/4" M8	750
15	20.0	3/8"	17.2	2073432	MP-PI 16-20 3/8" M8	750
20	22.0	1/2"	21.3	2073433	MP-PI 20-24 1/2" M8	750
32	35.0	1"	33.7	2073435	MP-PI 32-36 1" M8	750
40	44.5	1 1/4"	42.4	2073436	MP-PI 38-46 1 1/4" M8	750
50	51.0	1 1/2"	48.3	2073437	MP-PI 48-53 1 1/2" M8	750
65	63.5	2"	60.3	2073438	MP-PI 54-58 M8	1250
	73.0			2073439	MP-PI 59-66 2" M8	1250
	76.1	2 1/2"	76.1	2073470	MP-PI 67-73 M8/M10	1250
80	82.5	3"	88.9	2073471	MP-PI 75-80 2 1/2" M8/M10	1250
	88.9	3"	88.9	2073472	MP-PI 81-87 M8/M10	1250
	101.6			2073473	MP-PI 87-92 3" M8/M10	1250
100	114.3	4"	114.3	2073474	MP-PI 99-105 3 1/2" M8/M10	1250
	127.0			2073475	MP-PI 107-115 4" M8/M10	1500
125	133.0			2073476	MP-PI 120-128 M8/M10	1500
	141.3	5"	139.7	2073477	MP-PI 129-134 M8/M10	1500
150	159.0			2073478	MP-PI 135-143 5" M8/M10	1500
	168.3	6"	165.1	2073480	MP-PI 162-170 6" M8/M10	1500
200	177.8			2073481	MP-PI 177-182 M8/M10	1750
	193.7			2073482	MP-PI 192-204 M8/M10	1750
	219.1			2073483	MP-PI 207-219 M8/M10	2250
	244.5			2073484	MP-PI 218-226 8" M12	2250
250	273.0			2073485	MP-PI 242-253 M12	2500
				2073486	MP-PI 272-281 10" M12	2500
300	323.9			2073487	MP-PI 313-326 12" M12	2500

Application Data		
Pipe Weight (insulated and filled with water)	Max. rec support spacing	
DIN EN 10220 (kg/m)	DIN EN 10255 (kg/m)	DIN EN 10220 DIN EN 10255 (m)
0.8	0.9	2.00
1.2	1.2	2.25
1.5	1.6	2.75
2.2	2.2	3.00
3.1	3.5	3.50
4.7	4.9	3.75
6.0	6.2	4.40
7.7		4.60
8.8	9.1	4.75
11.1		5.00
12.3	13.3	5.50
14.1		5.75
16.9	18.3	6.00
20.8		6.00
24.2	26.3	5.80
29.0		5.25
30.9		4.95
33.6	35.8	4.35
41.3		3.70
44.9	45.3	3.40
50.4		3.55
58.7		3.05
74.6		3.10
87.9		2.90
104.1		2.45
141.5		1.80

Note 1. Max. recommended support spacing: guidance values based on DIN 1988-2, considering tensile stress to pipe and recommended load values of pipe rings
2. Instructions of pipe suppliers regarding support spacing have to be considered in addition
3. Pipe weights "insulated & filled with water are guidance values". The factual weight is depending on the insulation material used (assumption: 80 kg/m³)

Drilling



2034358 TE 2-A22

2037068 TE-C 10/16 MP8

2037072 TE-C 12/16 MP8

2037079 TE-C 15/16 MP8

2007431 Battery 22/3.3 Li-Ion

2015762 Charger 4/36-90 230V

2015763 Charger 4/36-90 110V

Cutting



2024449 SCW 22-A

2014797 SC-C MU 165x20 240A

2023990 SC-C MS 165 AL

Fastening and Installation



376957 HKD M8x25

2037453 HKV M10x30

378431 HKD M12x25

414475 HKD-TE-CX M8x25

414480 HKD-TE-CX M10x25

384966 HKV M8x30

384968 HKV M10x30

384971 HKV M12x50

243740 HSD-G M8 5/16" X30

243742 HSD-G M10 3/8" X40

243743 HSD-G M12 1/2" X50

216415 AM8x3000 4,8

216418 AM10x3000 4,8

216421 AM12x3000 4,8

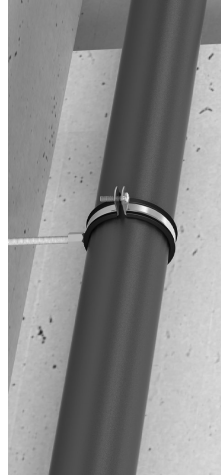
216465 Nut M8

216466 Nut M10

282850 Washer A 8,4/16

282851 Washer A 10,5/20

282852 Washer A 13/24



Applications

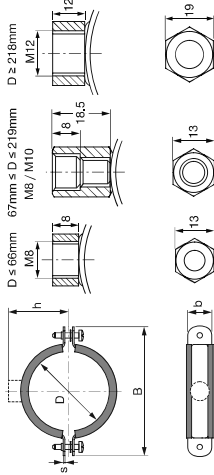
- Fresh water distribution pipes
- Waste water distribution pipes
- Heating and gas distribution pipes

Advantages

- Securely fixed rubber inlay – no loss of rubber
- High quality product with third party approvals
- Fixation with two threaded rods possible for sizes above 219 mm to achieve higher loads

Technical data

Material composition	DC01 - DIN EN 10130
Surface finish	Galvanized
Temperature resistance range	-40 - 110 °C
Insulation Material	EPDM
Noise reduction	16 dB (A)
Additional product information	Threaded rods must be screwed in fully into the connection boss in order to ensure the achievement of given loads. Maximum screw torque of the clamping screw: M5 - 2,0 Nm; M6 - 2,0 Nm; M8 - 3,0 Nm



Order Designation	Clamping Range - D	Nominal pipe size	Width - B	Gross section thick-ness [b x s]	Distance to top - h	Maximum load - F	Sales pack quantity	Item number
MP-PI 11-15 1/4" M8	11 - 15 mm	1/4 in	54 mm	20 x 1,2 mm	22 mm	0,75 kN	150 pc	2073431
MP-PI 16-20 3/8" M8	16 - 20 mm	3/8 in	58 mm	20 x 1,2 mm	24 mm	0,75 kN	150 pc	2073432
MP-PI 20-24 1/2" M8	20 - 24 mm	1/2 in	62 mm	20 x 1,2 mm	26 mm	0,75 kN	150 pc	2073433
MP-PI 25-28 3/4" M8	25 - 28 mm	3/4 in	68 mm	20 x 1,2 mm	30 mm	0,75 kN	150 pc	2073434
MP-PI 32-36 1" M8	32 - 36 mm	1 in	76 mm	20 x 1,2 mm	32 mm	0,75 kN	150 pc	2073435
MP-PI 38-46 1 1/4" M8	38 - 46 mm	1-1/4 in	91 mm	20 x 1,2 mm	37 mm	0,75 kN	100 pc	2073436
MP-PI 48-53 1 1/2" M8	48 - 53 mm	1-1/2 in	98 mm	20 x 1,2 mm	40 mm	0,75 kN	100 pc	2073437
MP-PI 54-58 M8	54 - 58 mm		105 mm	20 x 1,5 mm	44 mm	1,25 kN	100 pc	2073438
MP-PI 59-66 2" M8	59 - 66 mm	2 in	111 mm	20 x 1,5 mm	48 mm	1,25 kN	100 pc	2073439
MP-PI 67-73 M8/M10	67 - 73 mm		121 mm	20 x 1,5 mm	62 mm	1,25 kN	50 pc	*2073470
MP-PI 75-80 2 1/2" M8/M10	75 - 80 mm	2-1/2 in	124 mm	20 x 1,5 mm	64 mm	1,25 kN	50 pc	*2073471
MP-PI 81-87 M8/M10	81 - 87 mm		134 mm	20 x 1,5 mm	68 mm	1,25 kN	50 pc	*2073472
MP-PI 87-92 3" M8/M10	87 - 92 mm	3 in	137 mm	20 x 1,5 mm	72 mm	1,25 kN	50 pc	2073473
MP-PI 99-105 3 1/2" M8/M10	99 - 105 mm	3-1/2 in	150 mm	20 x 1,5 mm	77 mm	1,25 kN	50 pc	2073474
MP-PI 107-115 4" M8/M10	107 - 115 mm	4 in	163 mm	20 x 2 mm	83 mm	1,5 kN	50 pc	2073475
MP-PI 120-128 M8/M10	120 - 128 mm		185 mm	20 x 2 mm	92 mm	1,5 kN	50 pc	2073476
MP-PI 129-134 M8/M10	129 - 134 mm		190 mm	20 x 2 mm	94 mm	1,5 kN	50 pc	*2073477
MP-PI 135-143 5" M8/M10	135 - 143 mm	5 in	201 mm	20 x 2 mm	101 mm	1,5 kN	50 pc	2073478
MP-PI 149-161 M8/M10	149 - 161 mm		213 mm	20 x 2 mm	108 mm	1,5 kN	50 pc	2073479
MP-PI 162-170 6" M8/M10	162 - 170 mm	6 in	228 mm	20 x 2 mm	113 mm	1,5 kN	50 pc	2073480
MP-PI 177-182 M8/M10	177 - 182 mm		237 mm	25 x 2 mm	118 mm	1,75 kN	25 pc	*2073481
MP-PI 192-204 M8/M10	192 - 204 mm		261 mm	25 x 2 mm	131 mm	1,75 kN	25 pc	2073482
MP-PI 207-219 M8/M10	207 - 219 mm		284 mm	25 x 2,5 mm	144 mm	2,25 kN	25 pc	2073483
MP-PI 218-226 8" M12	218 - 226 mm	8 in	295 mm	25 x 2,5 mm	146 mm	2,25 kN	25 pc	*2073484
MP-PI 242-253 M12	242 - 253 mm		322 mm	30 x 3 mm	148 mm	2,5 kN	10 pc	*2073485
MP-PI 272-281 10" M12	272 - 281 mm	10 in	351 mm	30 x 3 mm	162 mm	2,5 kN	10 pc	*2073486
MP-PI 313-326 12" M12	313 - 326 mm	12 in	395 mm	30 x 3 mm	185 mm	2,5 kN	10 pc	*2073487

* = Items available in January 2014

