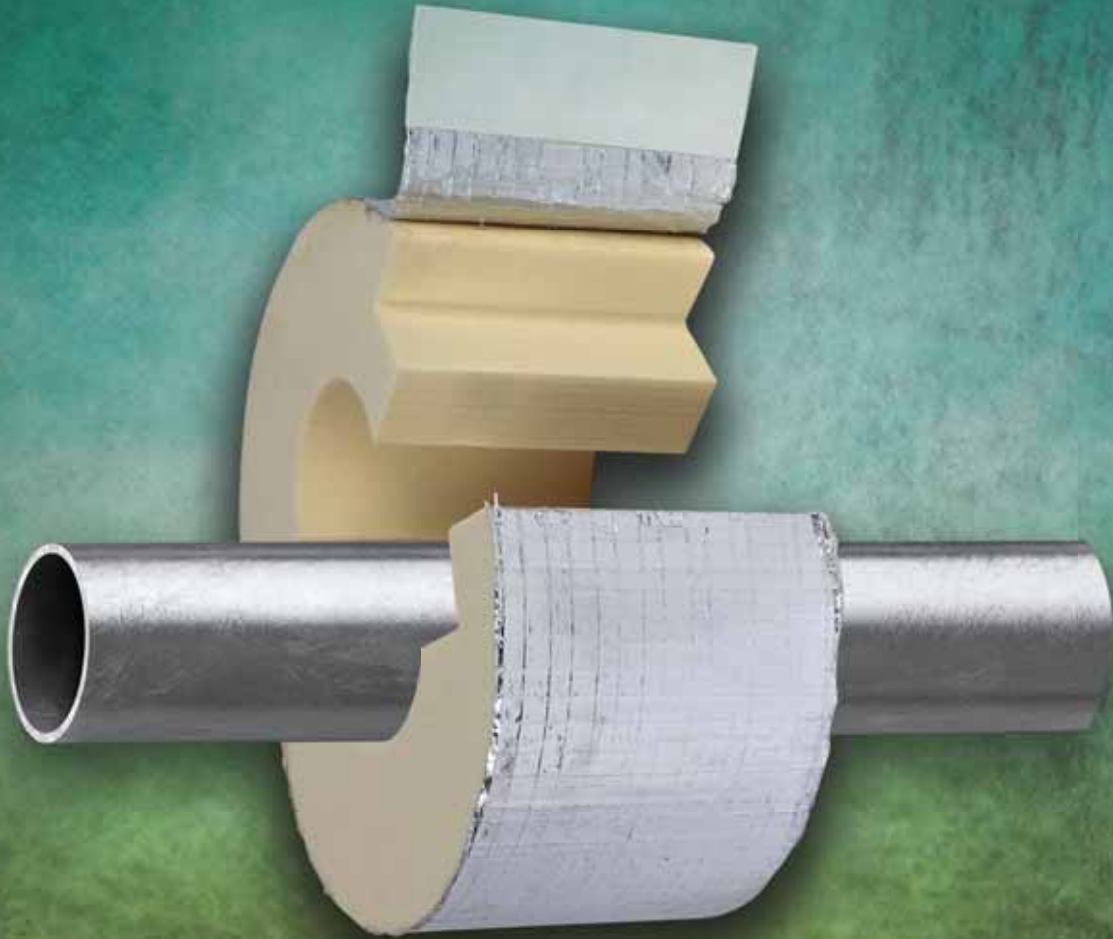


Hot or cold,
we've got you covered!

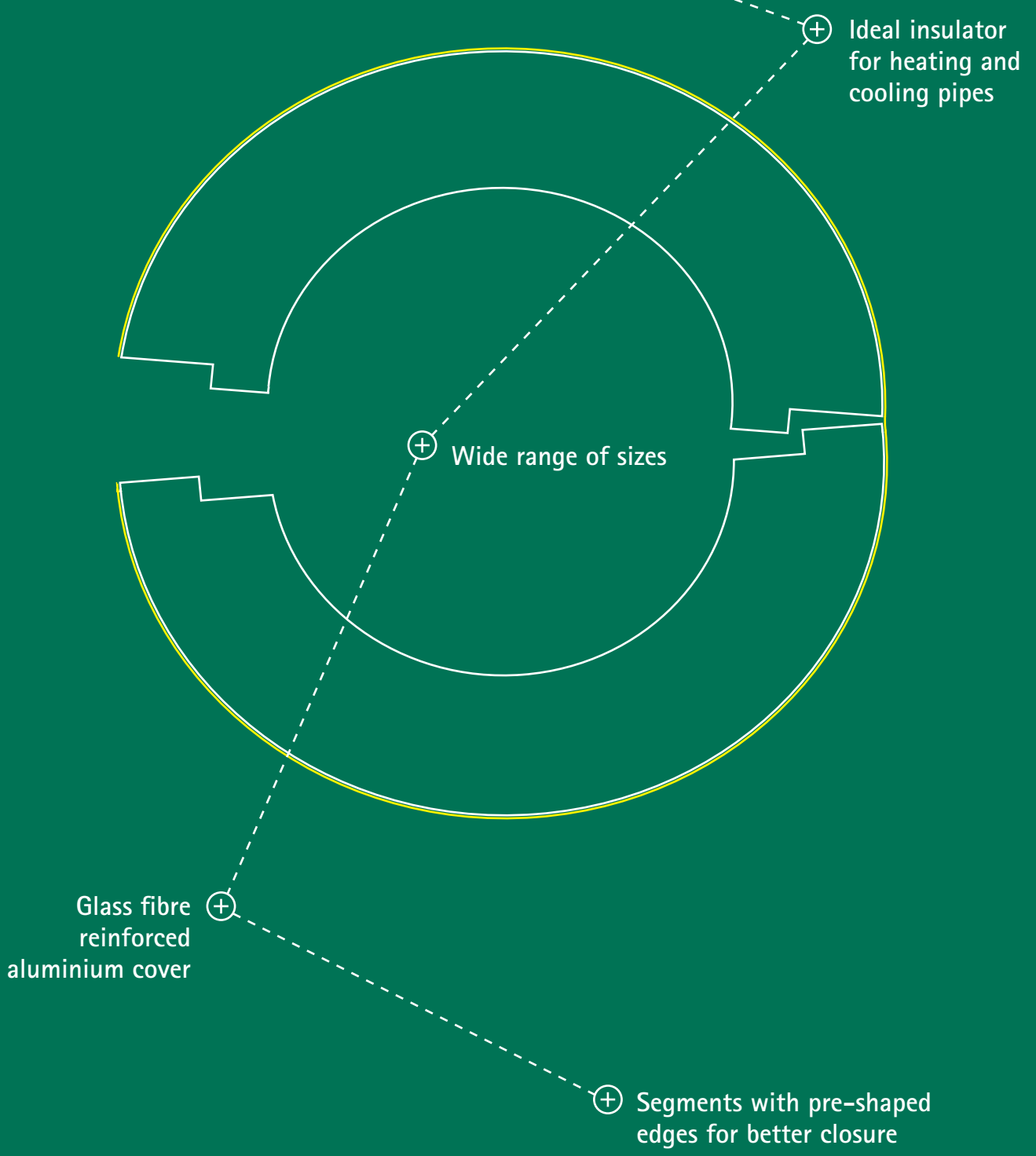


BISOFIX[®] PIR

For pipes that are fitted with PIR rigid foam insulation



BISOFIX® PIR 



⊕ Ideal insulator for heating and cooling pipes

⊕ Wide range of sizes

⊕ Glass fibre reinforced aluminium cover

⊕ Segments with pre-shaped edges for better closure

Inspired by smart solutions from the start

Walraven is a globally active company in the installation industry, founded in 1942. We have always been dedicated to make the work of our customers easier and more effective. With simple and smart solutions, comprehensive services and excellent support. Walraven. The value of smart

BISOFIX® PIR20

For insulated pipes 12.0 – 273.1mm



Product information

The insulated pipe support consists of two identical segments, made of PIR rigid foam. These two parts are covered with glass fibre reinforced aluminium tape. They have a self-adhesive closing. The self-adhesive strip at the tip of the foil forms a quick and solid vapour proof barrier. During installation the joints between the insulating pipe supports and the pipe sections have to be sealed using aluminium tape.

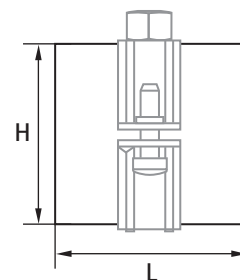
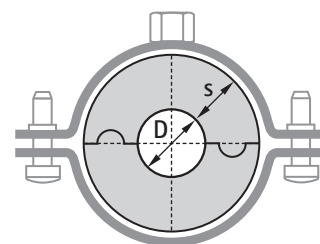
Product details

Part No.	D (mm)	L	H (mm)	s (mm)	Fa,z (N)	Pack 1
I200000012	12.0	75mm	52.0	20.0	120	25
I200000015	15.0 - 16.0	75mm	55.0	20.0	160	25
I200000018	17.2 - 18.0	75mm	58.0	20.0	170	25
I200000022	21.3 - 22.0	75mm	62.0	20.0	180	25
I200000028	26.9 - 28.0	75mm	68.0	20.0	200	25
I200000034	33.7 - 35.0	75mm	75.0	20.0	220	25
I200000042	42.4	75mm	82.4	20.0	280	25
I200000048	48.3	75mm	88.3	20.0	300	25
I200000054	54.0	75mm	94.0	20.0	320	25
I200000057	56.0 - 57.0	75mm	97.0	20.0	330	25
I200000060	60.3	75mm	100.3	20.0	340	25
I200000064	64.0	75mm	104.0	20.0	350	25
I200000070	70.0	75mm	110.0	20.0	370	25
I200000076	76.1	75mm	116.1	20.0	390	25
I200000089	88.9	75mm	128.9	20.0	430	25
I200000102	101.6	75mm	141.6	20.0	450	25
I200000108	108.0	75mm	148.0	20.0	500	25
I200000114	114.3	100mm	154.3	20.0	1,110	15
I200000133	133.0	100mm	173.0	20.0	1,360	5
I200000140	139.7	100mm	179.7	20.0	1,410	5
I200000160	159.0 - 160.0	100mm	200.0	20.0	1,520	5
I200000168	168.3	100mm	208.3	20.0	1,570	5
I200000219	219.1	100mm	259.1	20.0	1,620	8
I200000273	273.1	100mm	313.0	20.0	1,670	2

The final thermal insulation value of the insulated pipe support combined with the load bearing capacity make PIR insulating pipe supports a quick and efficient solution.

Features

- Insulation shell with glass fibre reinforced aluminium foil with self-adhesive closing
- For fast fixing of rigid foam insulated pipes
- Vapour proof fitting prevents thermal bridge
- Material: PIR thermally hardening foam
- Density: 80 kg/m³ and 120 kg/m³
- Block length: 75mm up to 100mm
- λ (W/mK) - 0.021 - 0.040
- Working temperature from -45°C up to +140°C
- Water vapour resistance $\mu > 7,000$
- Fire rating: class B2



BISOFIX® PIR30

For insulated pipes 12.0 – 323.9mm



Product information

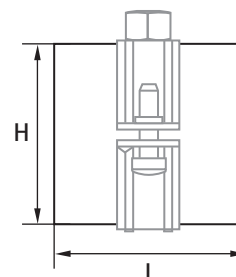
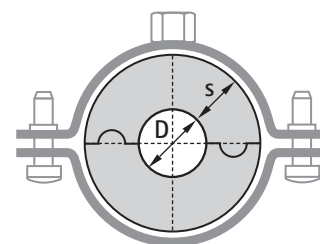
The BISOFIX® PIR30 consist of two 30mm thick identical segments, that are made of PIR rigid foam. These two parts are covered with glass fibre reinforced aluminium tape. They have a self-adhesive closing. The self-adhesive strip at the tip of the foil forms a quick and solid vapour proof barrier. During installation the joints between the insulating pipe supports and the pipe sections have to be sealed using aluminium tape.

Product details

Part No.	D (mm)	L	H (mm)	s (mm)	Fa,z (N)	Pack 1
I300000012	12.0	75mm	72.0	30.0	130	25
I300000015	15.0 - 16.0	75mm	75.0	30.0	170	25
I300000018	17.2 - 18.0	75mm	78.0	30.0	190	25
I300000022	21.3 - 22.0	75mm	82.0	30.0	230	25
I300000028	26.9 - 28.0	75mm	88.0	30.0	300	25
I300000034	33.7 - 35.0	75mm	95.0	30.0	320	25
I300000042	42.4	75mm	102.4	30.0	350	25
I300000048	48.3	75mm	108.3	30.0	370	25
I300000054	54.0	75mm	114.0	30.0	380	25
I300000057	56.0 - 57.0	75mm	117.0	30.0	390	25
I300000060	60.3	75mm	120.3	30.0	410	25
I300000064	64.0	75mm	124.0	30.0	420	25
I300000070	70.0	75mm	130.0	30.0	440	25
I300000076	76.1	75mm	136.1	30.0	460	25
I300000089	88.9	75mm	148.9	30.0	500	15
I300000102	101.6	100mm	161.6	30.0	550	15
I300000108	108.0	100mm	168.0	30.0	620	15
I300000114	114.3	100mm	174.3	30.0	1,370	15
I300000133	133.0	100mm	193.0	30.0	1,520	5
I300000140	139.7	100mm	199.7	30.0	1,570	5
I300000160	159.0 - 160.0	100mm	220.0	30.0	1,720	5
I300000168	168.3	100mm	228.3	30.0	2,720	8
I300000219	219.1	150mm	279.1	30.0	4,210	2
I300000273	273.1	150mm	333.0	30.0	5,020	2
I300000324	323.9	150mm	384.0	30.0	5,790	2

Features

- Insulation shell with glass fibre reinforced aluminium foil with self-adhesive closing
- For fast fixing of rigid foam insulated pipes
- Vapour proof fitting prevents thermal bridge
- Material: PIR thermally hardening foam
- Density: 80 kg/m³ and 120 kg/m³
- Block length: 75mm up to 150mm
- λ (W/mK) - 0.021 - 0.040
- Working temperature from -45°C up to +140°C
- Water vapour resistance $\mu > 7,000$
- Fire rating: class B2



Quick and efficient

BISOFIX® PIR40

For insulated pipes 12.0 – 406.4mm



Product information

The BISOFIX® PIR40 consist of two 40mm thick identical segments, that are made of PIR rigid foam. These two parts are covered with glass fibre reinforced aluminium tape. They have a self-adhesive closing. The self-adhesive strip at the tip of the foil forms a quick and solid vapour proof barrier. During installation the joints between the insulating pipe supports and the pipe sections have to be sealed using aluminium tape.

Product details

Part No.	D (mm)	L	H (mm)	s (mm)	Fa,z (N)	Pack 1
I400000012	12.0	75mm	92.0	40.0	300	25
I400000015	15.0 - 16.0	75mm	95.0	40.0	320	25
I400000018	17.2 - 18.0	75mm	98.0	40.0	340	25
I400000022	21.3 - 22.0	75mm	102.0	40.0	350	25
I400000028	26.9 - 28.0	75mm	108.0	40.0	350	25
I400000034	33.7 - 35.0	75mm	115.0	40.0	370	25
I400000042	42.4	75mm	122.4	40.0	410	25
I400000048	48.3	75mm	128.3	40.0	430	25
I400000054	54.0	75mm	134.0	40.0	440	25
I400000057	56.0 - 57.0	75mm	137.0	40.0	460	25
I400000060	60.3	75mm	140.3	40.0	470	25
I400000064	64.0	75mm	144.0	40.0	490	25
I400000070	70.0	75mm	150.0	40.0	510	15
I400000076	76.1	75mm	156.1	40.0	530	15
I400000089	88.9	75mm	168.9	40.0	620	15
I400000102	101.6	100mm	181.6	40.0	650	15
I400000108	108.0	100mm	188.0	40.0	690	15
I400000114	114.3	100mm	194.3	40.0	1,530	5
I400000133	133.0	100mm	213.0	40.0	1,670	5
I400000140	139.7	100mm	219.7	40.0	1,730	5
I400000160	159.0 - 160.0	100mm	240.0	40.0	2,850	8
I400000168	168.3	100mm	248.3	40.0	2,960	8
I400000219	219.1	150mm	299.1	40.0	4,510	2
I400000273	273.1	150mm	353.0	40.0	5,320	2
I400000324	323.9	150mm	404.0	40.0	6,090	2
I400000406	406.4	150mm	486.4	40.0	6,150	2



*"Useful product,
easy to install"*

Robert Veerhuis

BISOFIX® PIR50

For insulated pipes 12.0 – 406.4mm



Product information

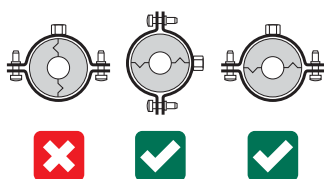
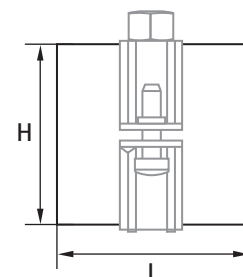
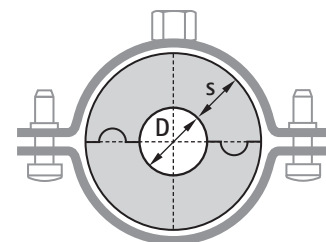
For heavy applications and materials with high insulation value, the BISOFIX® PIR50 are recommended. Two identical PIR rigid foam segments are covered with glass fibre reinforced aluminium tape. They have a self-adhesive closing. The self-adhesive strip at the tip of the foil forms a quick and solid vapour proof barrier. During installation the joints between the insulating pipe supports and the pipe sections have to be sealed using aluminium tape.

Product details

Part No.	D (mm)	L	H (mm)	s (mm)	Fa,z (N)	Pack 1
I500000012	12.0	75mm	112.0	50	220	25
I500000015	15.0 - 16.0	75mm	115.0	50	250	25
I500000018	17.2 - 18.0	75mm	118.0	50	300	25
I500000022	21.3 - 22.0	75mm	122.0	50	340	25
I500000028	26.9 - 28.0	75mm	128.0	50	350	25
I500000034	33.7 - 35.0	75mm	135.0	50	370	25
I500000042	42.4	75mm	142.4	50	470	25
I500000048	48.3	75mm	148.3	50	500	15
I500000054	54.0	75mm	154.0	50	520	15
I500000057	56.0 - 57.0	75mm	157.0	50	520	15
I500000060	60.3	75mm	160.3	50	540	15
I500000064	64.0	75mm	164.0	50	550	15
I500000070	70.0	75mm	170.0	50	600	15
I500000076	76.1	75mm	176.1	50	650	15
I500000089	88.9	75mm	188.9	50	690	15
I500000102	101.6	100mm	201.6	50	720	5
I500000108	108.0	100mm	208.0	50	760	5
I500000114	114.3	100mm	214.3	50	1,680	5
I500000133	133.0	100mm	233.0	50	2,780	8
I500000140	139.7	100mm	239.7	50	2,860	8
I500000160	159.0 - 160.0	100mm	260.0	50	3,090	8
I500000168	168.3	100mm	268.3	50	3,200	8
I500000219	219.1	150mm	319.1	50	4,810	2
I500000273	273.1	150mm	373.1	50	5,620	2
I500000324	323.9	150mm	424.0	50	6,390	2
I500000406	406.4	150mm	506.4	50	6,410	2

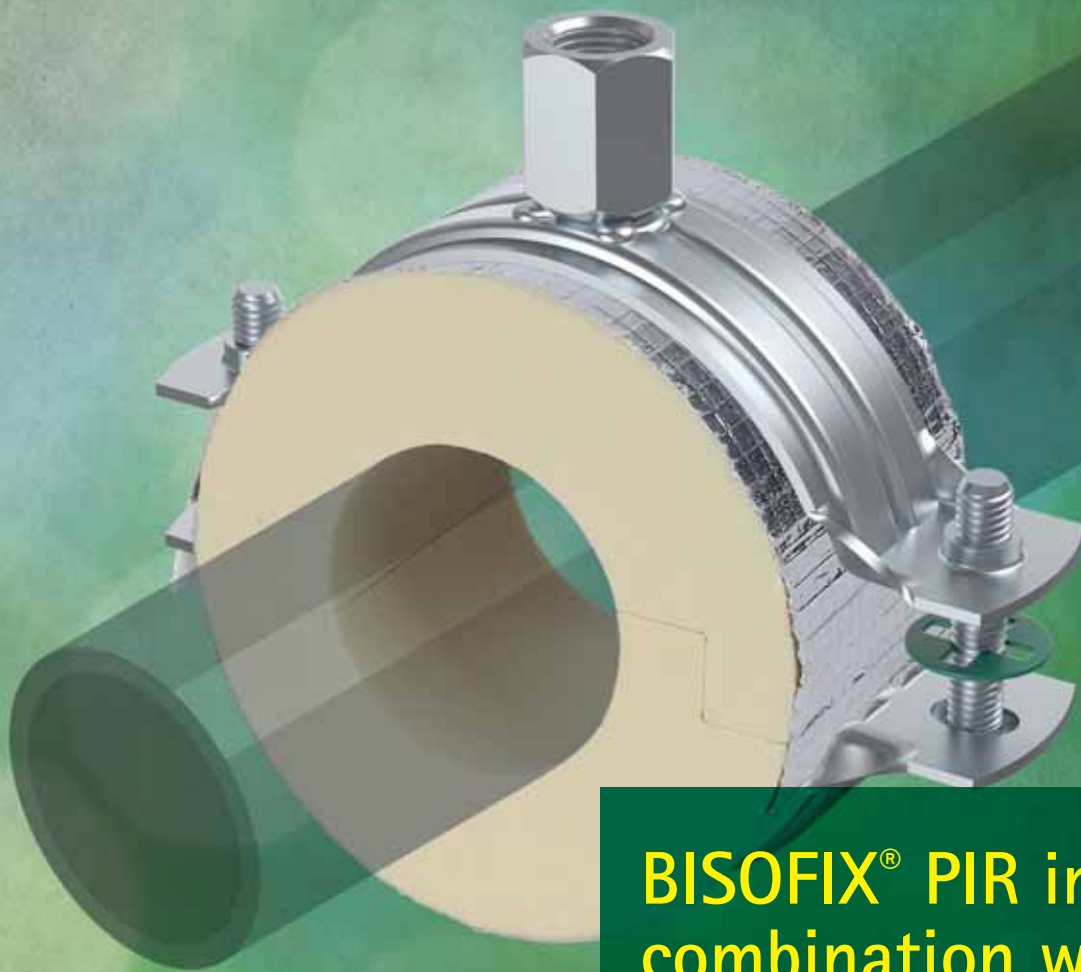
Features

- Insulation shell with glass fibre reinforced aluminium foil with self-adhesive closing
- For fast fixing of rigid foam insulated pipes
- Vapour proof fitting prevents thermal bridge
- Material: PIR thermally hardening foam
- Density: 80 kg/m³ and 120 kg/m³
- Block length: 75mm up to 150mm
- λ (W/mK) - 0.021 - 0.040
- Working temperature from -45°C up to +140°C
- Water vapour resistance $\mu > 7,000$
- Fire rating: class B2



The right installation method delivers the best performance

Always make sure that you position the insulating pipe supports in the correct position.



BISOFIX[®] PIR in combination with different clamps

The right product combination of insulating pipe supports and fixing material provides the highest installation quality. For heavy outdoor applications, the insulating pipe supports are combined with HD 500 clamps. For both indoor and outdoor applications, the Walraven Bifix[®] G2 clamps deliver the perfect solution. If the installation is situated indoors and the specific environment does not demand higher specifications, then the Walraven 2S clamps will be an ideal solution. Always a smart solution to help you fix your insulated pipe.

walraven.com/int/insulating-pipe-supports

BISOFIX® PIR Selection Chart

This chart is designed to help you select the right clamp and insulation block combination.

Pipe diameter (mm)	Product Type	BISOFIX® PIR20	BISOFIX® PIR30	BISOFIX® PIR40	BISOFIX® PIR50
12.0	BISOFIX® PIR	I20000012	I30000012	I40000012	I50000012
	2S Clamp	33035052	33035081	33035095	33035112
	Bifix® G2 Clamp	3008052	3008070	3008091	3008115
	BIS HD 500 Clamp	33038052	33048078	33048092	33048116
15.0	BISOFIX® PIR	I20000015	I30000015	I40000015	I50000015
	2S Clamp	33035061	33035081	33035095	33035118
	Bifix® G2 Clamp	3008058	3008079	3008105	3008115
	BIS HD 500 Clamp	33038058	33048078	33048092	33048116
17.2 - 18.0	BISOFIX® PIR	I20000018	I30000018	I40000018	I50000018
	2S Clamp	33035061	33035081	33035103	33035118
	Bifix® G2 Clamp	3008058	3008079	3008105	3008115
	BIS HD 500 Clamp	33038058	33048078	33048106	33048123
21.3 - 22.0	BISOFIX® PIR	I20000022	I30000022	I40000022	I50000022
	2S Clamp	33035061	33035087	33035103	33035127
	Bifix® G2 Clamp	3008064	3008083	3008105	3008130
	BIS HD 500 Clamp	33038065	33048085	33048106	33048123
26.9 - 28.0	BISOFIX® PIR	I20000028	I30000028	I40000028	I50000028
	2S Clamp	33035067	33035095	33035112	33035137
	Bifix® G2 Clamp	3008070	3008091	3008115	3008130
	BIS HD 500 Clamp	33038071	33048092	33048116	33048133
33.7 - 35.0	BISOFIX® PIR	I20000034	I30000034	I40000034	I50000034
	2S Clamp	33035074	33035095	33035118	33035137
	Bifix® G2 Clamp	3008079	3008091	3008115	3008140
	BIS HD 500 Clamp	33048078	33048092	33048116	33048140
42.4	BISOFIX® PIR	I20000042	I30000042	I40000042	I50000042
	2S Clamp	33035087	33035103	33035127	33035144
	Bifix® G2 Clamp	3008083	3008105	3008130	3008140
	BIS HD 500 Clamp	33048085	33048106	33048123	33048140
48.3	BISOFIX® PIR	I20000048	I30000048	I40000048	I50000048
	2S Clamp	33035095	33035112	33035137	33035153
	Bifix® G2 Clamp	3008091	3008115	3008130	3008140
	BIS HD 500 Clamp	33048092	33048116	33048133	33048154
54.0	BISOFIX® PIR	I20000054	I30000054	I40000054	I50000054
	2S Clamp	33035095	33035118	33035137	33035162
	Bifix® G2 Clamp	3008091	3008115	3008140	3008160
	BIS HD 500 Clamp	33048092	33048116	33048133	33048154
56.0 - 57.0	BISOFIX® PIR	I20000057	I30000057	I40000057	I50000057
	2S Clamp	33035103	33035118	33035137	33035162
	Bifix® G2 Clamp	3008105	3008115	3008140	3008160
	BIS HD 500 Clamp	33048106	33048116	33048140	33048154
60.0	BISOFIX® PIR	I20000060	I30000060	I40000060	I50000060
	2S Clamp	33035103	33035127	33035144	33035162
	Bifix® G2 Clamp	3008105	3008130	3008140	3008160
	BIS HD 500 Clamp	33048106	33048123	33048140	33048169
64.0	BISOFIX® PIR	I20000064	I30000064	I40000064	I50000064
	2S Clamp	33035112	33035127	33035144	33035172
	Bifix® G2 Clamp	3008105	3008130	3008140	3008169
	BIS HD 500 Clamp	33048106	33048123	33048140	33048169
70.0	BISOFIX® PIR	I20000070	I30000070	I40000070	I50000070
	2S Clamp	33035112	33035137	33035153	33035172
	Bifix® G2 Clamp	3008115	3008130	3008160	3008169
	BIS HD 500 Clamp	33048116	33048133	33048154	33048169

BISOFIX® PIR



2S Clamp



Bifix® G2 Clamp



BIS HD 500 Clamp



Pipe diameter (mm)	Product Type	BISOFIX® PIR20	BISOFIX® PIR30	BISOFIX® PIR40	BISOFIX® PIR50
76.0	BISOFIX® PIR	I20000076	I30000076	I40000076	I50000076
	2S Clamp	33035118	33035137	33035162	33035183
	Bifix® G2 Clamp	3008115	3008140	3008160	3008180
	BIS HD 500 Clamp	33048116	33048140	33048154	33048183
89.0	BISOFIX® PIR	I20000089	I30000089	I40000089	I50000089
	2S Clamp	33035137	33035153	33035172	33035194
	Bifix® G2 Clamp	3008130	3008160	3008180	3008200
	BIS HD 500 Clamp	33048133	33048154	33048169	33048183
102.0	BISOFIX® PIR	I20000102	I30000102	I40000102	I50000102
	2S Clamp	33035144	33035162	33035183	33035205
	Bifix® G2 Clamp	3008140	3008160	3008180	3008200
	BIS HD 500 Clamp	33048140	33048169	33048183	33048202
108.0	BISOFIX® PIR	I20000108	I30000108	I40000108	I50000108
	2S Clamp	33035153	33035172	33035194	33035216
	Bifix® G2 Clamp	3008160	3008169	3008200	3008210
	BIS HD 500 Clamp	33048154	33048169	33048183	33048219
114.0	BISOFIX® PIR	I20000114	I30000114	I40000114	I50000114
	2S Clamp	33035162	33035183	33035194	33035216
	Bifix® G2 Clamp	3008160	3008180	3008200	3008210
	BIS HD 500 Clamp	33048154	33048183	33048202	33048219
133.0	BISOFIX® PIR	I20000133	I30000133	I40000133	I50000133
	2S Clamp	33035183	33035194	33035216	-
	Bifix® G2 Clamp	3008180	3008200	3008210	-
	BIS HD 500 Clamp	33048183	33048202	33048219	33068241
140.0	BISOFIX® PIR	I20000140	I30000140	I40000140	I50000140
	2S Clamp	33035183	33035205	33035225	-
	Bifix® G2 Clamp	3008180	3008200	3008225	-
	BIS HD 500 Clamp	33048183	33048202	33048219	33068241
159.0 - 160.0	BISOFIX® PIR	I20000160	I30000160	I40000160	I50000160
	2S Clamp	33035205	33035225	-	-
	Bifix® G2 Clamp	3008200	3008225	-	-
	BIS HD 500 Clamp	33048202	33048219	33068241	33068264
168.3	BISOFIX® PIR	I20000168	I30000168	I40000168	I50000168
	2S Clamp	33035216	-	-	-
	Bifix® G2 Clamp	3008210	-	-	-
	BIS HD 500 Clamp	33048219	33048227	33068254	33068279
219.0	BISOFIX® PIR	I20000219	I30000219	I40000219	I50000219
	2S Clamp	-	-	-	-
	Bifix® G2 Clamp	-	-	-	-
	BIS HD 500 Clamp	33068264	33068289	33068302	33068325
273.1	BISOFIX® PIR	I20000273	I30000273	I40000273	I50000273
	2S Clamp	-	-	-	-
	Bifix® G2 Clamp	-	-	-	-
	BIS HD 500 Clamp	33068325	33068325	33068360	33068374
323.9	BISOFIX® PIR		I30000324	I40000324	I50000324
	2S Clamp		-	-	-
	Bifix® G2 Clamp		-	-	-
	BIS HD 500 Clamp		33068389	33068408	33068436
406.4	BISOFIX® PIR				I50000406
	2S Clamp				-
	Bifix® G2 Clamp				-
	BIS HD 500 Clamp				33068509



Hot or cold, we've got you covered!

Every installation is different. Fortunately, Walraven understands the specific challenges that come with developing complex technical solutions and working at height.

In addition to a comprehensive range of robust, durable and easy-to-install product systems, our experts and engineers are always available to share their years of expertise and advise you on the safest, most durable and cost-effective solutions for your installation.

To find out how we can support you, visit walraven.com/int/insulating-pipe-supports

The value of smart

BISOFIX® PIR

Features and benefits

Different sizes

- Available in thickness ranges from 20mm up to 50mm to suit different performance specifications
- Special sizes may be available on request

Moisture resistance

- Factory-applied foil covering acts as highly effective vapour barrier
- Stepped joints ensure vapour seal and accurate location
- Closed cell structure resists moisture absorption and mould



A smart solution for fixing insulated pipes

BISOFIX® PIR in combination with different clamps for indoor and outdoor applications

At Walraven, offering smart solutions starts with smart product designs and applications. The right product combination of insulating pipe supports and fixing material provides the highest installation quality you want to experience and present to your customers. Whether completing a job indoors or outdoors, the Walraven fixing materials that are offered in combination with the insulating pipe supports deliver the expected results.

For heavy outdoor applications, the insulating pipe supports are combined with HD 500 clamps. For both indoor and outdoor applications, the Walraven Bifix® G2 clamps deliver the perfect solution. If the installation is situated indoors and the specific environment does not demand higher specifications, then the Walraven 2S clamps will be an ideal solution.



■ BISOFIX® PIR with 2S Clamp



■ BISOFIX® PIR with Bifix® G2 Clamp



■ BISOFIX® PIR with HD 500 Clamp

Find out how we can support you

Would you like to find out more about any of the solutions described in this brochure?

Or would you like to discuss how we could help you find the best possible solution for your project? Get in touch today!

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