

Okapak[®]

FULL RANGE OF IMPACT RESISTANT
AND EASY TO CLEAN PVC COVERINGS



- Long product lifetime
- Extensive range with tailor-made bends, t-pieces and tape
- Impact resistant hard PVC foil with fire protection properties
- Manufactured without the use of silicone / unplasticised
- Tensile impact strength: $\geq 400 \text{ kJ/m}^2$

OVERVIEW TWO-PIECE (WELDED) ELBOWS

Ø	20 mm	25 mm	30 mm	35 mm	40 mm	45 mm	50 mm	60 mm	80 mm	100 mm
15										
17										
21										
27										
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102										
108										
114										
127										
133										
140										
159										
168										
194										
219										
267										

S
 W
 D
 G
 SML
 45°



OKAPAK 90° TWO-PIECE BENDS

Two piece bends with welded back for additional strength and a perfect fit. Suitable for different application areas, depending on pipe radius and type:

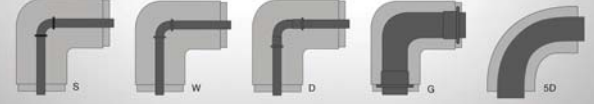
Okapak S bends: Bends for standard S shaped seamless steel pipe according to EN 10253-1, type 3 (1.5d) with insulation ≤ 100 mm.

Okapak W bends: Bends for standard W shaped angled tempered cast fittings according to EN 10242, A1, A4 with insulation ≤ 50 mm.

Okapak D bends: Bends for D shaped short tempered cast fittings according to EN 10242, D1, D4 with insulation ≤ 50 mm.

Okapak G bends: Bends for G shaped long tempered cast fittings according to EN 10242, G1, G4, G8 with insulation ≤ 30 mm.

Okapak SML: Bends for application of cast iron pipes with insulation ≤ 40 mm.



OKAPAK 90° ONE-PIECE BENDS

Suitable for different application areas, depending on pipe radius and type:

Okapak S bends: Bends for standard S shaped seamless steel pipe according to EN 10253-1, type 3 (1.5d) with insulation ≤ 100 mm.

Okapak W bends: Bends for standard W shaped angled tempered cast fittings according to EN 10242, A1, A4 with insulation ≤ 50 mm.

Okapak D bends: Bends for D shaped short tempered cast fittings according to EN 10242, D1, D4 with insulation ≤ 60 mm.

Okapak G bends: Bends for G shaped long tempered cast fittings according to EN 10242, G1, G4, G8 with insulation ≤ 50 mm.

Okapak 5D bends: Bends for 5D shaped long insulated tempered cast fittings according to DIN2605-1 with insulation ≤ 50 mm.



OKAPAK 45° TWO-PIECE BENDS

Okapak 45°, welded bends with back strengthening perfectly match bends according to DIN 2605, Norm 3 (1,5 d) with insulation ≤ 50 mm.

Technical Data - Okapak

Brief description	Economic PVC jacketing system according to DIN 4140.
Material type	Shock resistant hard PVC covering with fire protection properties. Surface: semigloss and smooth
Colour	Light grey
Product Range	Rolls, bends, fitting caps, valve caps, flange caps, front caps, cut-outs and accessories
Applications	Covering jacket for insulated pipes (incl. bends, t-sections, fittings and flanges). Provides protection against mechanical impacts.
Manufacturing	Calendar sheeting method, extruded; straight vacuum formed. Manufactured without cadmium, lead, mercury, silicone, chrome or chrome compounds. Unplasticised

Property	Value/Assessment	Test ^{*1}	Special Remarks
Temperature Range			
Temperature Range	Max. service temperature	+60 °C	If the object is correctly insulated and no direct contact exists with the jacket, the medium temperature can essentially be higher or lower.
	Min. service temperature	-20 °C	
Water vapour diffusion resistance			
Water vapour diffusion resistance	μ	approx. 60,000	Tested according to DIN 53122-1
Fire performance			
Reaction to fire	Okapak	Low flammability (DIN 4102-B2)	D5599 Tested according to DIN 4102-B1 (P-BWK03-I-165.49) DIN 4102-B2
Other technical features			
Density	Okapak 1.40 ± 0.02 g/cm ³		Tested according to DIN EN ISO 1183
Biological / chemical behaviour	Ageing resistance: good. Stability against typical building materials: very good. Against chemicals: see separate list.	TB 037	
Tensile impact strength	≥ 400 KJ/m ²		Tested according to DIN EN ISO 8256
Tensile strength	> 35 N/mm ²		Tested according to DIN EN ISO 527
Health aspects	No adverse effects. Suitable for use in food processing plants. Odourless.		

*1 Further documents such as test certificates and approvals can be requested using the registration number given.

All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended.

Okapak bends, 90°, two-pieces (welded)



Pipe max. Outside-Ø [mm]	20 mm insulation				25 mm insulation			
	Code	Application angle type	Pieces/carton		Code	Application angle type	Pieces/carton	
15	PB1720	S,W	440		-	-	-	
17	PB1720	S,W	440		PB2720	S,W,D	300	
17	PB2120	G	360		-	-	-	
21	PB2120	S,W,D,G	360		PB3320	S,W,D,G	240	
27	PB2720	S,W,D,G	300		PB2725	S,W,D,G	240	
33	PB3320	S,W,D	240		PB3325	S,W,D	220	
38	PB2130	S	260		PB4820	S	240	
42	PB2130	S,W,D	260		PB3330	S,W,D	220	
44	PB2130	S,W,D	260		PB3330	S,W,D	220	
48	PB4820	S,W	240		PB4825	S,W,D	180	
57	PB6020	S	180		PB6025	S	160	
60	PB6020	S,W,G	180		PB6025	S,W,G	160	
60	PB6420 ●	D	160		PB6425 ●	D	160	
64	PB6420 ●	S	160		PB6425 ●	S	160	
70	PBS7020 ●	S	140		PB7025 ●	S	120	
76	PB7025 ●	S	120		PB4840	W	120	
76	-	-	-		PBS7625 ●	S	120	
83	PBS8325 ●	S	120		PBS8325 ●	S	120	
89	PBS8325 ●	S	120		PB6040	W	80	
89	-	-	-		PB8925 ●	S	80	
102	PBS10820 ●	S	60		-	-	-	
108	PBS10820 ●	S	60		-	-	-	
114	PBS10830	S	80		-	-	-	

Pipe max. Outside-Ø [mm]	30 mm insulation				35 mm insulation			
	Code	Application angle type	Pieces/carton		Code	Application angle type	Pieces/carton	
17	PB2725	S,D,G	240		-	-	-	
17	PBW1730	W	240		-	-	-	
21	PB2130	S,D	260		-	-	-	
21	PBW2130	W	260		-	-	-	
27	PB2730	S,W	260		-	-	-	
33	PB3330	S,W	220		PB4830	S	160	
38	PB4430	S	160		-	-	-	
42	PB4430	S,W,D	160		PB6030	S	160	
42	PB6420 ●	G	160		-	-	-	
44	PB4430	S,W,D	160		PB6030	S	160	
44	PB6420 ●	G	160		-	-	-	
48	PB4830	S,W,D	160		PB6030	S	160	
57	PB6030	S	160		PB6040	S	80	
60	PB6030	S,W	160		PB6040	S	80	
60	PB7025 ●	D	120		-	-	-	
64	PBS6430 ●	S	140		PBS7035 ●	S	80	
70	PBS7630	S	80		PBS7035 ●	S	80	
76	PBS7630	S	80		PBS7040 ●	S	80	
76	PBW7630	W	100		-	-	-	
83	PBS8930	S	80		PBS8935 ●	S	80	
89	PBS8930	S	80		PBS8935 ●	S	80	
89	PBW8930	W	80		-	-	-	
102	PBS10830	S	80		PBS10835	S	40	
108	PBS10830	S	80		PBS10835	S	40	
114	PBS10835	S	40		PBS11435 ●	S	40	
127	PBS13330	S	40		PBS13335	S	40	
133	PBS13330	S	40		PBS13335	S	40	

Okapak bends, 90°, two-pieces (welded)



Pipe max. Outside-Ø [mm]	40 mm insulation			45 mm insulation			
	Code	Application angle type	Pieces/carton	Code	Application angle type	Pieces/carton	€/pc
15	PB1740 ●	S,W	180	-	-	-	
17	PB1740 ●	S,W	180	-	-	-	
21	PB2140	S,W	160	-	-	-	
27	PB2740	S,W	160	-	-	-	
33	PB3340	S,W	160	-	-	-	
38	PB6030	S	160	-	-	-	
42	PB4240	S,W,D	120	-	-	-	
44	PB4240	S,W,D	120	-	-	-	
48	PB4840	S,D	120	PB6040	S	80	
48	PBW4840	W	120	-	-	-	
57	PB6040	S	80	PBW8930	S	80	
60	PB6040	S,D	80	PBW8930	S	80	
64	PBS7040 ●	S	80	PBS7045 ●	S	40	
70	PBS7040 ●	S	80	PBS7045 ●	S	40	
76	PB7640	S,W	60	PBS7050 ●	S	60	
83	PBS8940	S	40	PBS6060	S	60	
89	PBS8940	S	40	PBS6060	S	60	
89	PBW8940	W	40	-	-	-	
102	PBS10840	S	40	PBS11440	S	40	
108	PBS10840	S	40	PBS11445 ●	S	40	
114	PBS11440	S	40	PBS11445 ●	S	40	
114	PBW11440	W	40	-	-	-	
127	PBS13340	S	40	PBS13345 ●	S	40	
133	PBS13340	S	40	PBS13345 ●	S	40	
140	PBS14040	S	30	PBS14045 ●	S	40	
159	PBS15940	S	60	PBS15945 ●	S	60	
168	PBS16840	S	60	PBS15950	S	40	

Pipe max. Outside-Ø [mm]	50 mm insulation			60 mm insulation		
	Code	Application angle type	Pieces/carton	Code	Application angle type	Pieces/carton
17	-	-	-	PB7670	S	40
33	PB3350	S,W	80	-	-	-
42	PB4250	S,W	80	-	-	-
44	PB4250	S,W	80	-	-	-
48	PBS4850	S	60	-	-	-
57	PB6050	S	60	PBS6060	S	60
60	PB6050	S,W,D	60	PBS6060	S	60
64	PBS7050 ●	S	60	PBS6460 ●	S	40
70	PBS7050 ●	S	60	PBS7660	S	40
76	PB7650	S,W	40	PBS7660	S	40
83	PB8950	S	40	PBS8960 ▲	S	40
89	PB8950	S,W	40	PBS8960 ▲	S	40
102	PBS10850	S	40	PBS10860 ▲	S	40
108	PBS10850	S	40	PBS10860 ▲	S	40
114	PBS11450	S	40	PBS11460 ▲	S	40
114	PBW11450	W	40	-	-	-
127	PBS13350	S	60	PBS13360 ▲	S	40
133	PBS13350	S	60	PBS13360 ▲	S	40
140	PBS14050	S	60	PBS14060 ▲	S	40
159	PBS15950	S	40	PBS15960	S	40
168	PBS16850	S	40	PBS16860	S	40
194	PBS19450 ●	S	40	PBS19460 ●	S	40
219	PBS21950	S	40	PBS21960 ●	S	40
267	-	-	-	PBS26760 ●	S	40

Okapak bends, 90°, two-pieces (welded)



Pipe max. Outside-Ø [mm]	80 mm insulation				100 mm insulation			
	Code	Application angle type	Pieces/carton		Code	Application angle type	Pieces/carton	
17	PB7670	S	40		-	-	-	
70	PBS7680	S	40		-	-	-	
76	PBS7680	S	40		-	-	-	
83	PBS8980 ▲	S	40		-	-	-	
89	PBS8980 ▲	S	40		-	-	-	
102	PBS10880 ▲	S	40		PBS108100 ▲	S	40	
108	PBS10880 ▲	S	40		PBS108100 ▲	S	40	
114	PBS11480 ▲	S	40		PBS114100 ▲	S	40	
127	PBS13380 ▲	S	40		PBS133100 ▲	S	40	
133	PBS13380 ▲	S	40		PBS133100 ▲	S	40	
140	PBS14080 ▲	S	40		PBS140100 ▲	S	40	
159	PBS15980 ●▲	S	40		PBS159100 ▲	S	40	
168	PBS16880 ▲	S	40		PBS168100 ▲	S	40	
194	PBS19480 ●▲	S	40		PBS194100 ●▲	S	20	
219	PBS21980 ●▲	S	20		PBS219100 ▲	S	20	
267	PBS26780 ●▲	S	20		PBS267100 ●▲	S	20	

▲ Segment-similar form

● Not a stock item. Delivery on request.

Okapak bends, 90°, welded, SML



Nominal width DN	20 mm insulation			30 mm insulation		
	Code	Pieces/carton		Code	Pieces/carton	
40	PB4820	240		PB4830	160	
50	-	-		PB6030	160	
50	PB6020	180		-	-	
50	PB6030	160		PBW7630	100	
100	PB7640	60		PB7650	40	
125	PB8950	40		PBW11440	40	
125	PBW11450	40		PBS7680	40	

Nominal width DN	40 mm insulation		
	Code	Pieces/carton	
40	PBW4840	120	
50	PB6040	80	
70	PB6050	60	
100	PBW11440	40	
125	PBW11450	40	
150	PBS8980 ▲	40	

▲ Segment-similar form

Okapak bends, 45°, welded



Pipe max. Outside-Ø [mm]	20 mm insulation			25 mm insulation		
	Code	Pieces/carton		Code	Pieces/carton	
21	PB452120 ●	400		-	-	
27	PB452720 ●	300		PB452725 ●	250	
33	PB453320 ●	260		PB453325 ●	200	
42	-	-		PB454225 ●	140	
44	-	-		PB454225 ●	140	
48	-	-		PB454825 ●	180	
60	-	-		PB456025 ●	160	

Okapak bends, 45°, welded



Pipe max. Outside-Ø [mm]	30 mm insulation			40 mm insulation		
	Code	Pieces/carton		Code	Pieces/carton	
27	PB452730 ●	250		-	-	
33	-	-		PB453340 ●	160	
42	PB454230 ●	160		-	-	
44	PB454230 ●	160		-	-	
48	-	-		PB454840 ●	160	
60	PB456030 ●	160		PB456040 ●	160	
76	PB457630 ●	140		PB457640 ●	120	
89	PB458930 ●	140		PB458940 ●	100	

Pipe max. Outside-Ø [mm]	50 mm insulation					
	Code	Pieces/carton				
60	PB456050 ●	140				
76	PB457650 ●	100				
83	PB8950	40				
89	PB458950	100				
127	PBS13350	60				

● Not a stock item. Delivery on request.

Okapak t-pieces



20 mm insulation insulation thickness				
Pipe diameter main section [mm]	Pipe diameter Junction [mm]	Code	Pcs./collar	
27	21	PBA2721 ●	10	
33	21	PBA3321 ●	10	
33	27	PBA3327 ●	10	
33	33	PBA3333 ●	10	
42	21	PBA4221 ●	10	
42	27	PBA4227 ●	10	
42	33	PBA4233 ●	10	
48	27	PBA4827 ●	10	
48	33	PBA4833 ●	10	
48	42	PBA4842 ●	10	
60	27	PBA6027 ●	10	
60	33	PBA6033 ●	10	
60	42	PBA6042 ●	10	
60	48	PBA6048 ●	10	

Remark

Delivery ex stock 1-2 workdays from receipt of order.

● Not a stock item. Delivery on request.

Okapak valve caps



type: for straight line valves and inclined seat valves, without insulation layer, with integrated pressure closure

Diameter [mm]	Length [mm]	Without insulation layer	
		Code	Pieces/carton
90	190	PVK1 ●	25
120	255	PVK2 ●	25
155	323	PVK3 ●	25

● Not a stock item. Delivery on request.

Okapak flange caps



type: without insulation, with integrated pressure closure

Diameter [mm]	Length [mm]	Without insulation layer		
		Code	Pieces/carton	
150	145	PFK15 ●	25	
160	150	PFK20 ●	25	
180	150	PFK25 ●	25	
190	155	PFK32 ●	25	
200	155	PFK40 ●	25	
220	155	PFK50 ●	25	
250	165	PFK65 ●	25	
270	170	PFK80 ●	25	
300	170	PFK100 ●	25	
345	170	PFK125 ●	25	

● Not a stock item. Delivery on request.

Okapak rosette endcapping



Length 5.0 m, Material: aluminium AL99.5, smooth surface

Light-grey with 2 fixing grooves				Aluminium with 2 fixing grooves			
Lamella length [mm]	Thickness [mm]	Code	Rolls/carton	Lamella length [mm]	Thickness [mm]	Code	Rolls/carton
18	20.0	PEMBG18B ●	10	18	20.0	PEMBA18B ●	10
28	30.0	PEMBG28B ●	10	28	30.0	PEMBA28B ●	10
38	40.0	PEMBG38B ●	10	38	40.0	PEMBA38B ●	10
48	50.0	PEMBG48B ●	10	48	50.0	PEMBA48B ●	10
58	60.0	PEMBG58B ●	10	58	60.0	PEMBA58B ●	10

● Not a stock item. Delivery on request.

Okapak rivets



Colour White or grey, Type: rivets

Code	Description	Pieces/bag	Pieces/carton
PMN W ●	rivet, white	1000	50000
PMNG ●	rivet, grey	1000	50000

● Not a stock item. Delivery on request.

Okapak riveting tools



Type: riveting tools

Code	Description	Pieces/bag	Pieces/carton
PMN WG ●	riveting tool, straight	10	100
PMN WW ●	riveting tool, angular	10	100

● Not a stock item. Delivery on request.

Okapak foils cut-outs



Width 1,000.0 mm, material: PVC-foil cut-outs SE DIN 4102-B1 available with 20% surcharge. Material thickness: 0.35 MM

PZA - with strong latch effect					PZB - with self-seal cap and strong latch effect				
max. total outer diameter with 30 mm overlapping	Cut-out length	Code	Pcs./collar	Pieces/carton	max. total outer diameter with 30 mm overlapping	Cut-out length	Code	Pcs./collar	Pieces/carton
60	220	PZA22 ●	10	400	60	220	PZB22 ●	10	400
65	240	PZA24 ●	10	400	65	240	PZB24 ●	10	400
70	260	PZA26 ●	10	400	70	260	PZB26 ●	10	400
82	290	PZA29 ●	10	400	82	290	PZB29 ●	10	400
89	310	PZA31 ●	5	200	89	310	PZB31 ●	5	200
95	330	PZA33 ●	5	200	95	330	PZB33 ●	5	200
100	350	PZA35 ●	5	200	100	350	PZB35 ●	5	200
105	360	PZA36 ●	5	200	105	360	PZB36 ●	5	200
-	-	-	-	-	110	380	PZB38 ●	5	1
124	420	PZA42 ●	5	1	124	420	PZB42 ●	5	1
-	-	-	-	-	130	440	PZB44 ●	5	1
-	-	-	-	-	136	460	PZB46 ●	5	1
150	500	PZA50 ●	5	1	-	-	-	-	-
165	550	PZA55 ●	5	1	165	550	PZB55 ●	5	1
-	-	-	-	-	180	600	PZB60 ●	5	1
-	-	-	-	-	195	650	PZB65 ●	5	1
229	750	PZA75 ●	5	1	-	-	-	-	-
-	-	-	-	-	308	1000	PZB100 ●	5	1

Remark Delivery ex stock 1-2 workdays from receipt of order.
Other cuts-outs and carton content units available on request.

- Not a stock item. Delivery on request.

Okapak self-adhesive tapes



Length 25.0 m, Colour Light grey, type: plastic tape

Code	Width [mm]	Length [m]	Thickness [mm]	Rolls/carton
PSKB19 ●	19.0	25	0,35	32
PSKB25 ●	25.0	25	0,35	24
PSKB30 ●	30.0	25	0,35	20

- Not a stock item. Delivery on request.