

# PAROC® PIPE SECTIONS

PACKING DETAILS



**PAROC®**



# CONTENTS

<b>Insulation solutions for pipework</b> .....	3
<b>Packaging</b> .....	4
<b>Packaging details</b>	
<b>PAROC® Pro Section (WR)</b>	
Inner diameter ≤ 273 mm, running meters for single package/Hinged Sections .....	5
Inner diameter ≤ 273 mm, running meters/2-layer pallet for Hinged Sections .....	6
Inner diameter ≤ 273 mm, running meters/1-layer pallet for Hinged Sections .....	7-8
Inner diameter ≥ 219 mm, running meters for single package/Hinged Sections .....	9
Inner diameter ≥ 219 mm, running meters/2-layer pallet for Half Sections (F1) .....	10
Inner diameter ≥ 219 mm, running metres/2-layer pallet for Hinged Sections .....	11
Inner diameter ≥ 219 mm, running meters/1-layer pallet for Half Sections (F1) .....	12
Inner diameter ≥ 219 mm, running meters/1-layer pallet for Hinged Sections .....	13
<b>PAROC® Pro Lock Section (WR)</b>	
Inner diameter ≥ 168 mm, running meters/2-layer pallet for Hinged Sections .....	14
Inner diameter ≥ 168 mm, running meters/2-layer pallet for Half Sections (F1) .....	15
Inner diameter ≥ 168 mm, running meters/1-layer pallet for Hinged Sections .....	16
Inner diameter ≥ 168 mm, running meters/1-layer pallet for Half Sections (F1) .....	17
<b>PAROC® Pro Section Double Layer system (WR)</b>	
Inner diameter ≥ 219 mm, number of full sections/2-layer pallet .....	18-19
Inner diameter ≥ 219 mm, number of full sections/1-layer pallet .....	20-21
Inner diameter ≥ 219 mm, number of full sections in running meters/2-layer pallet for Half Sections (F1) .....	22-23
Inner diameter ≥ 219 mm, number of full sections in running meters/1-layer pallet for Half Sections (F1) .....	24-25
<b>PAROC® Pro Section (WR) packaging on export pallet for container loading</b>	
Inner diameter ≤ 273 mm, running meters/2-layer export pallet for Hinged Sections .....	26
Inner diameter ≥ 219 mm, running meters/2-layer export pallet for Half Sections .....	27

**Quick access: Click on the desired product or content page to immediately navigate to it.  
Clicking on 'Table of Contents' will direct you back to the index page.  
Hyperlinks will take you to relevant additional pages or research sources.**



# INSULATION SOLUTIONS FOR PIPEWORK

PAROC's technical insulations offering consists of a wide range of prefabricated pipe sections for high-temperature industrial pipes. These products offer unparalleled benefits to both plant owners and managers, as well as industrial insulation contractors. One of the biggest advantages of PAROC pipe sections is quick and trouble-free installation which guarantees an effective thermal insulation.

Using stone wool pipe sections not only means significantly reduced costs from heat loss and long downtime periods, but also minimizing the risk of installation error, translating into extended longevity of the system.

## MULTI-LAYER PIPE SECTION INSULATION

Achieving thermal insulation properties as planned in the specification for high temperature industrial pipes is often impossible with only a single layer of insulation. For this kind of applications and requirements we create pipe section solutions for multi-layer section insulations.

When the systems are being heated to operating temperature, a thermal expansion of the pipes will take place. This can lead to serious heat and energy losses, if not considered from an insulation perspective. At elevated operating temperatures, a double layer insulation system is often required to mitigate for the potential opening of the joints.

## EFFICIENT AND FAST INSTALLATION

When the specification includes a double layer insulation, both PAROC pipe sections are handled as one, drastically cutting down installation work. Each package includes all of the products required for both the inner and outer layer, eliminating unnecessary waste.

The parts are precisely measured during the production stage to ensure compatibility and a good fit, while handling and pairing them is straightforward since they arrive fitted together, one inside the other. Thus, such a solution saves on work and costs, helps keep the site tidy and provides first-class insulation characteristics.

## PAROC® PRO LOCK

PAROC® Pro Lock 100 and 140 pipe sections (also available in a water-proof version WR) provide an interesting alternative for a double-layer insulation. Industrial pipelines are insulated efficiently – the thermal expansion of the pipe lines is handled by the Z-lock formation of the pipe sections' joints.

PAROC® Pro Lock Pipe Sections provide the benefit of a double layer insulation system, but in a single layer application – saving time and money. **This unique Paroc pipe insulation system can reduce heat losses by up to 25% and installation time by up to 30%.**

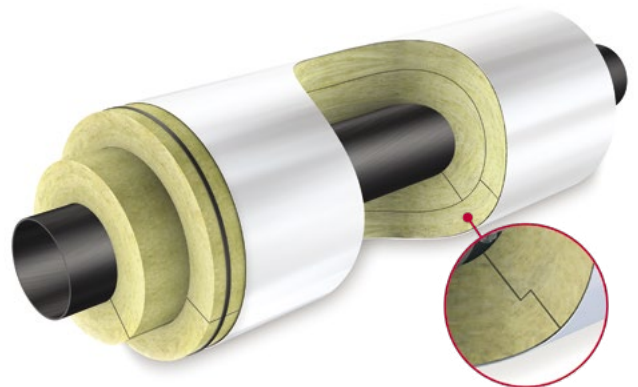
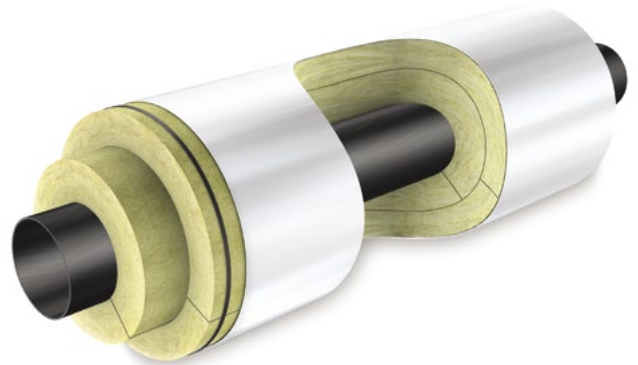


TABLE OF CONTENTS

## Standard double-layer solutions delivered as a single solution (PAROC® Pro Section DL products)

Total insulation thickness 100-300 mm

295	295-80+60-570	295-80		
305	305-70+70-583	305-80		
324	324-80+60-609	324-80		
356	356-90+50-635	356-60		
371	371-70+70-648	371-70		
406	406-60+80-687	406-60	Inner diameter	- Double-layer insulation thickness - Outer diameter
426	426-60+80-700	426-90		
457	457-50+90-739	457-80		
479	479-70+70-765	479-80		



# PACKAGING

- PAROC® Pro Section 100 (WR)
- PAROC® Pro Section 140 (WR)
- PAROC® Pro Lock Section 100 (WR)
- PAROC® Pro Lock Section 140 (WR)



Size of pallet mm	Height mm
1200 x 1200	1350

Size of pallet mm	Height mm
1200 x 1200	1350

Size of pallet mm	Height mm
1200 x 1200	2550

Size of pallet mm	Height mm
1100 x 1100	2550

Export pallets for container loading



- PAROC® Pro Section 100 DL (WR)
- PAROC® Pro Section 140 DL (WR)
- PAROC® Pro Section DL1 (WR)\*

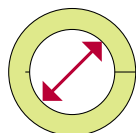
\* Inner section - density 140 kg/m<sup>3</sup>  
Outer section - density 100 kg/m<sup>3</sup>

PAROC pipe sections are customers to the construction site in two possible forms: as a single element with a hinge joint or as separate halves of a pipe section (F1) packed loosely on a pallet. No matter which option we choose, we can use dedicated Accessories for PAROC Technical Insulations: cutting knives for stone wool, tapes, rebar tie wires.

The primary order unit for PAROC products is pallet. Pipe sections are delivered on either short (one layer) or tall (double layer) pallets – depending on the quantity and dimensions of the products. PAROC products can be safely stored outside with the use of special pallet hoods available in PAROC's offer. One of the biggest advantages of this solution is its reusability – buy one pallet hood, use it for many years.

# PAROC® PRO SECTION (WR)

## RUNNING METERS FOR SINGLE PACKAGE/HINGED SECTIONS



Inner diameter ≤ 273 mm



Pipe ID mm	Insulation thickness											
	20	25	30	40	50	60	70	80	90	100	110	120
12-18	33.6	24.0	24.0	14.4	8.4	6.0						
22-28	24.0	18.0	18.0	10.8	8.4/7.2	6.0	3.6	3.6				
32-38	18.0	18.0	14.4	8.4	6.0	6.0	3.6	3.6				
42-48	14.4	14.4	10.8	8.4/7.2	6.0	3.6	3.6	3.6				
15	42.0/22.8	33.6	24/22.8	14.4/22.8	8.4							
18	33.6/22.8	24.0	18/24/22.8	10.8/14.4/8.4	8.4	6.0						
22	33.6/22.8	24.0	18.0/22.8	10.8/8.4	8.4/7.2	6.0	3.6	3.6				
28	24.0/22.8	18.0	14.4/22.8	10.8/8.4	8.4/7.2	6.0	3.6	3.6				
35	24.0/22.8	18.0	14.4/22.8	8.4/8.4	6.0	6.0	3.6	3.6	3.6	3.6		
42	18.0/22.8	14.4	10.8/8.4	8.4/7.2	6.0	3.6	3.6	3.6	3.6	2.4		
48	14.4/22.8	10.8	8.4/8.4	8.4/7.2	6.0	3.6	3.6	3.6	3.6	2.4		
54	14.4/22.8	10.8	8.4/8.4	8.4/7.2	6.0	3.6	3.6	3.6	3.6	2.4		
57	10.8/8.4	10.8	8.4/8.4	6.0	6.0	3.6	3.6	3.6	3.6	2.4		
60	10.8/8.4	8.4	8.4/8.4	6.0	6.0	3.6	3.6	3.6	2.4	2.4		
64	10.8/8.4	8.4	8.4/8.4	6.0	3.6	3.6	3.6	3.6	2.4	2.4	2.4	1.2
70	8.4	8.4	8.4	6.0	3.6	3.6	3.6	3.6	2.4	2.4	2.4	1.2
76	8.4	8.4	6.0	6.0	3.6	3.6	3.6	3.6	2.4	2.4	2.4	1.2
89	8.4	6.0	6.0	3.6	3.6	3.6	3.6	2.4	2.4	2.4	1.2	1.2
102	6.0	6.0	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	1.2	1.2
108		6.0	3.6	3.6	3.6	3.6	2.4	2.4	2.4	1.2	1.2	1.2
114		3.6	3.6	3.6	3.6	3.6	2.4	2.4	2.4	1.2	1.2	1.2
121		3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	1.2	1.2	1.2
127		3.6	3.6	3.6	3.6	2.4	2.4	2.4	1.2	1.2	1.2	1.2
133		3.6	3.6	3.6	3.6	2.4	2.4	2.4	1.2	1.2	1.2	1.2
140		3.6	3.6	3.6	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2
156		3.6	3.6	3.6	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
159		3.6	3.6	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
162		3.6	3.6	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
168		3.6	3.6	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
178		3.6	3.6	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
194		2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	
208			2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
219			2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2		
230			2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2		
259			1.2	1.2	1.2	1.2	1.2	1.2				
273			1.2	1.2	1.2	1.2	1.2	1.2				

— packaging: carton boxes from Trzemeszno  
 — packaging: plastic

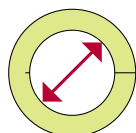
7.2

packaging: carton boxes from Hallekis  
 running meters in carton boxes from Hallekis  
 8.4 packaging: sections packed in plastic film from Hallekis -  
 running meters in package from Hallekis

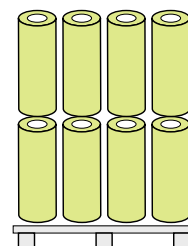


# PAROC® PRO SECTION (WR)

## RUNNING METERS/2-LAYER PALLET FOR HINGED SECTIONS



Inner diameter ≤ 273 mm



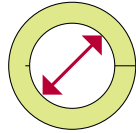
Pipe ID mm	Insulation thickness												
	20	25	30	40	50	60	70	80	90	100	110	120	
12-18	806.4	576.0	576.0	345.6	235.2	156.0							
22-28	576.0	432.0	432.0	259.2	184.8	156.0	115.2	108.0					
32-38	432.0	432.0	345.6	235.2	156.0	144.0	108.0	86.4					
42-48	345.6	345.6	302.4	184.8	144.0	115.2	86.4	72.0					
15	1008.0	806.4	576.0	345.6	235.2								
18	806.4	576.0	432.0	259.2	235.2	156.0							
22	806.4	576.0	432.0	259.2	184.8	156.0	115.2	108.0					
28	576.0	432.0	345.6	259.2	184.8	144.0	115.2	86.4					
35	576.0	432.0	345.6	235.2	156.0	144.0	108.0	86.4	64.8	57.6			
42	432.0	345.6	259.2	184.8	156.0	115.2	108.0	72.0	64.8	52.8			
48	345.6	259.2	235.2	184.8	144.0	115.2	86.4	72.0	57.6	52.8			
54	345.6	259.2	235.2	184.8	144.0	108.0	86.4	64.8	57.6	48.0			
57	259.2	259.2	235.2	156.0	144.0	108.0	86.4	64.8	57.6	48.0			
60	259.2	235.2	235.2	156.0	144.0	108.0	72.0	64.8	52.8	48.0			
64	259.2	235.2	184.8	156.0	115.2	108.0	72.0	64.8	52.8	48.0	38.4	38.4	
70	235.2	235.2	184.8	144.0	115.2	86.4	72.0	57.6	52.8	43.2	38.4	38.4	
76	235.2	184.8	156.0	144.0	108.0	86.4	64.8	57.6	48.0	43.2	38.4	38.4	
89	184.8	156.0	144.0	115.2	86.4	72.0	57.6	52.8	43.2	38.4	38.4	31.2	
102	156.0	144.0	115.2	108.0	72.0	64.8	52.8	48.0	38.4	38.4	31.2	28.8	
108		144.0	115.2	86.4	72.0	57.6	52.8	43.2	38.4	38.4	31.2	24.0	
114		115.2	108.0	86.4	64.8	57.6	48.0	43.2	38.4	38.4	28.8	24.0	
121		115.2	108.0	72.0	64.8	52.8	48.0	38.4	38.4	31.2	28.8	21.6	
127		108.0	86.4	72.0	57.6	52.8	43.2	38.4	38.4	31.2	24.0	21.6	
133		108.0	86.4	64.8	57.6	48.0	43.2	38.4	38.4	28.8	24.0	21.6	
140		86.4	72.0	64.8	52.8	48.0	38.4	38.4	31.2	28.8	21.6	21.6	
156		72.0	64.8	57.6	48.0	43.2	38.4	38.4	28.8	21.6	21.6	21.6	
159		72.0	64.8	52.8	48.0	38.4	38.4	31.2	28.8	21.6	21.6	21.6	
162		72.0	64.8	52.8	48.0	38.4	38.4	31.2	28.8	21.6	21.6	21.6	
168		64.8	57.6	52.8	43.2	38.4	38.4	31.2	24.0	21.6	21.6	19.2	
178			57.6	48.0	38.4	38.4	31.2	28.8	21.6	21.6	21.6	19.2	
194		52.8	48.0	43.2	38.4	38.4	28.8	24.0	21.6	21.6	19.2		
208			43.2	38.4	38.4	31.2	24.0	21.6	21.6	19.2	19.2		
219			38.4	38.4	31.2	28.8	21.6	21.6	21.6	19.2			
230			38.4	38.4	28.8	24.0	21.6	21.6	19.2	19.2			
259			31.2	28.8	21.6	21.6	21.6	19.2					
273			28.8	24.0	21.6	21.6	19.2	19.2					

— packaging: carton boxes from Trzemeszno  
 — packaging: plastic

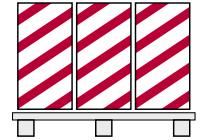
Packing on pallet 1200 x 1200 mm (Single pieces packed in plastic).  
 24 of these pallets fill up 1 truck.

# PAROC® PRO SECTION (WR)

## RUNNING METERS/1-LAYER PALLET FOR HINGED SECTIONS



Inner diameter ≤ 273 mm



Pipe ID mm	Insulation thickness					
	20	25	30	40	50	60
12-18	403.2	288.0	288.0	172.8	117.6	78.0
22-28	288.0	216.0	216.0	129.6	92.4/86.4	78.0
32-38	216.0	216.0	172.8	117.6	78.0	72.0
42-48	172.8	172.8	151.2	92.4/86.4	72.0	57.6
15	504.0	403.2	288.0	172.8	117.6	
18	403.2	288.0	216/288	129.6/172.8	117.6	78.0
22	403.2	288.0	216.0	129.6	92.4/86.4	78.0
28	288.0	216.0	172.8	129.6	92.4/86.4	72.0
35	288.0	216.0	172.8	117.6	78.0	72.0
42	216.0	172.8	129.6	92.4/86.4	78.0	57.6
48	172.8	129.6	117.6	92.4/86.4	72.0	57.6
54	172.8	129.6	117.6	92.4/86.4	72.0	54.0
57	129.6	129.6	117.6	78.0	72.0	54.0
60	129.6	117.6	117.6	78.0	72.0	54.0
64	129.6	117.6	92.4	78.0	57.6	54.0
70	117.6	117.6	92.4	72.0	57.6	43.2
76	117.6	92.4	78.0	72.0	54.0	43.2
89	92.4	78.0	72.0	57.6	43.2	36.0
102	78.0	72.0	57.6	54.0	36.0	32.4
108		72.0	57.6	43.2	36.0	28.8
114		57.6	54.0	43.2	32.4	28.8
121		57.6	54.0	36.0	32.4	26.4
127		54.0	43.2	36.0	28.8	26.4
133		54.0	43.2	32.4	28.8	24.0
140		43.2	36.0	32.4	26.4	24.0
156		36.0	32.4	28.8	24.0	21.6
159		36.0	32.4	26.4	24.0	19.2
162		36.0	32.4	26.4	24.0	19.2
168		32.4	28.8	26.4	21.6	19.2
178			28.8	24.0	19.2	19.2
194		26.4	24.0	21.6	19.2	19.2
208			21.6	19.2	19.2	15.6
219			19.2	19.2	15.6	14.4
230			19.2	19.2	14.4	12.0
259			15.6	14.4	10.8	10.8
273			14.4	12.0	10.8	10.8

— packaging: carton boxes from Trzemeszno  
 — packaging: plastic

7.2

packaging: carton boxes from Hallekis  
 running meters in carton boxes from Hallekis

8.4

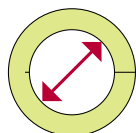
packaging: sections packed in plastic film from Hallekis -  
 running meters in package from Hallekis

### PAROC® Pipe Sections Packing Details

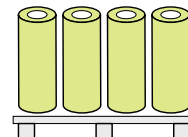
Packing on pallet 1200 x 1200 mm (Single pieces packed in plastic).  
 48 of these pallets fill up 1 truck.

# PAROC® PRO SECTION (WR)

## RUNNING METERS/1-LAYER PALLET FOR HINGED SECTIONS



Inner diameter ≤ 273 mm



Pipe ID mm	Insulation thickness					
	70	80	90	100	110	120
12-18						
22-28	57.6	54.0				
32-38	54.0	43.2				
42-48	43.2	36.0				
15						
18						
22	57.6	54.0				
28	57.6	43.2				
35	54.0	43.2	32.4	28.8		
42	54.0	36.0	32.4	26.4		
48	43.2	36.0	28.8	26.4		
54	43.2	32.4	28.8	24.0		
57	43.2	32.4	28.8	24.0		
60	36.0	32.4	26.4	24.0		
64	36.0	32.4	26.4	24.0	19.2	19.2
70	36.0	28.8	26.4	21.6	19.2	19.2
76	32.4	28.8	24.0	21.6	19.2	19.2
89	28.8	26.4	21.6	19.2	19.2	15.6
102	26.4	24.0	19.2	19.2	15.6	14.4
108	26.4	21.6	19.2	19.2	15.6	12.0
114	24.0	21.6	19.2	19.2	14.4	12.0
121	24.0	19.2	19.2	15.6	14.4	10.8
127	21.6	19.2	19.2	15.6	12.0	10.8
133	21.6	19.2	19.2	14.4	12.0	10.8
140	19.2	19.2	15.6	14.4	10.8	10.8
156	19.2	19.2	14.4	10.8	10.8	10.8
159	19.2	15.6	14.4	10.8	10.8	10.8
162	19.2	15.6	14.4	10.8	10.8	10.8
168	19.2	15.6	12.0	10.8	10.8	9.6
178	15.6	14.4	10.8	10.8	10.8	9.6
194	14.4	12.0	10.8	10.8	9.6	
208	12.0	10.8	10.8	9.6	9.6	
219	10.8	10.8	10.8	9.6		
230	10.8	10.8	9.6	9.6		
259	10.8	9.6				
273	9.6	9.6				

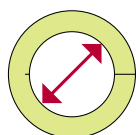
— packaging: carton boxes from Trzemeszno  
 packaging: plastic

Packing on pallet 1200 x 1200 mm (Single pieces packed in plastic).  
 48 of these pallets fill up 1 truck.



# PAROC® PRO SECTION (WR)

## RUNNING METERS FOR SINGLE PACKAGE/HINGED SECTIONS



Inner diameter  $\geq 219$  mm

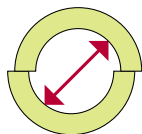


Pipe ID mm	Insulation thickness													
	30	40	50	60	70	80	90	100	110	120	130	140	150	160
219	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
230	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
240	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
245	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
259	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
273	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
289		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
295		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
305		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
324		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
356			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
371			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
377			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
406			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
426			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
457			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
479			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
490			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
508			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
533			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
558			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
612			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
630			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
665			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
714			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
720			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
762			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
813			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
822			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
914			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
1016			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	

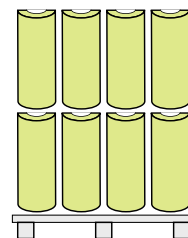
TABLE OF CONTENTS

# PAROC® PRO SECTION (WR)

## RUNNING METERS/2-LAYER PALLET FOR HALF SECTIONS (F1)



Inner diameter  $\geq$  219 mm



Pipe ID mm	Insulation thickness													
	30	40	50	60	70	80	90	100	110	120	130	140	150	160
219	60.0	55.2	43.2	38.4	28.8	28.8	24.0	21.6	19.2	19.2	14.4	14.4	12.0	12.0
230	64.8	48.0	40.8	36.0	28.8	26.4	24.0	21.6	19.2	19.2	14.4	14.4	12.0	12.0
240	62.4	48.0	40.8	33.6	28.8	24.0	24.0	21.6	16.8	16.8	14.4	12.0	12.0	9.6
245	50.4	48.0	38.4	31.2	26.4	26.4	21.6	19.2	16.8	16.8	14.4	12.0	9.6	9.6
259	48.0	45.6	33.6	31.2	26.4	24.0	19.2	19.2	16.8	14.4	14.4	12.0	9.6	9.6
273	48.0	40.8	31.2	28.8	24.0	24.0	19.2	19.2	14.4	14.4	12.0	12.0	9.6	9.6
289	45.6	36.0	31.2	26.4	24.0	21.6	19.2	16.8	14.4	14.4	12.0	9.6	9.6	9.6
295	48.0	36.0	28.8	26.4	21.6	21.6	16.8	16.8	14.4	14.4	12.0	12.0	9.6	9.6
305	40.8	33.6	31.2	26.4	21.6	19.2	16.8	16.8	14.4	12.0	12.0	9.6	9.6	9.6
324	38.4	33.6	26.4	24.0	21.6	19.2	16.8	14.4	14.4	12.0	9.6	9.6	9.6	9.6
356	33.6	26.4	24.0	19.2	19.2	16.8	16.8	14.4	12.0	12.0	9.6	9.6	7.2	7.2
371	33.6	26.4	24.0	19.2	19.2	16.8	12.0	12.0	12.0	9.6	9.6	7.2	7.2	7.2
377	28.8	26.4	21.6	19.2	16.8	14.4	12.0	12.0	9.6	9.6	9.6	7.2	7.2	7.2
406	26.4	21.6	19.2	16.8	14.4	14.4	12.0	12.0	9.6	9.6	9.6	7.2	7.2	7.2
426	24.0	24.0	16.8	16.8	12.0	12.0	12.0	9.6	9.6	9.6	9.6	7.2	7.2	4.8
457	21.6	19.2	16.8	14.4	12.0	12.0	9.6	9.6	9.6	9.6	7.2	7.2	7.2	4.8
479	19.2	16.8	14.4	14.4	12.0	12.0	9.6	9.6	9.6	9.6	7.2	7.2	4.8	4.8
490	21.6	16.8	14.4	14.4	12.0	12.0	9.6	9.6	7.2	7.2	7.2	7.2	4.8	4.8
508	19.2	16.8	14.4	12.0	12.0	9.6	9.6	9.6	9.6	7.2	7.2	7.2	4.8	4.8
533		14.4	14.4	12.0	12.0	9.6	9.6	7.2	7.2	7.2	4.8	4.8	4.8	4.8
558		12.0	12.0	12.0	9.6	9.6	9.6	7.2	7.2	4.8	4.8	4.8	4.8	4.8
612		12.0	12.0	9.6	9.6	7.2	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8
630		12.0	9.6	9.6	7.2	7.2	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8
665		12.0	9.6	9.6	7.2	7.2	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8
714		12.0	9.6	7.2	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8	2.4	2.4
720			9.6	7.2	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8	2.4	2.4
762			9.6	7.2	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4
813			7.2	7.2	4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4
822			7.2	7.2	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4
914			4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4
1016			2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4

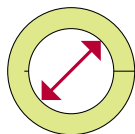
this range can be produced and delivered as hinged and F1- half sections

available only as F1- half sections

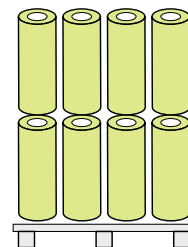
Packing on pallet 1200 x 1200 mm. 24 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

# PAROC® PRO SECTION (WR)

## RUNNING METRES/2-LAYER PALLET FOR HINGED SECTIONS



Inner diameter  $\geq$  219 mm



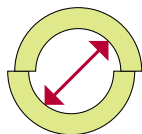
Pipe ID mm	Insulation thickness													
	30	40	50	60	70	80	90	100	110	120	130	140	150	160
219	38.4	38.4	31.2	28.8	21.6	21.6	21.6	19.2	19.2	14.4	14.4	12.0	9.6	9.6
230	38.4	38.4	28.8	24.0	21.6	21.6	19.2	19.2	14.4	14.4	12.0	12.0	9.6	9.6
240	38.4	31.2	28.8	21.6	21.6	21.6	19.2	19.2	14.4	14.4	12.0	9.6	9.6	9.6
245	38.4	31.2	24.0	21.6	21.6	21.6	19.2	19.2	14.4	14.4	12.0	9.6	9.6	9.6
259	31.2	28.8	21.6	21.6	21.6	19.2	19.2	14.4	14.4	12.0	9.6	9.6	9.6	9.6
273	28.8	24.0	21.6	21.6	19.2	19.2	14.4	14.4	12.0	9.6	9.6	9.6	9.6	9.6
289		28.8	24.0	21.6	21.6	14.4	14.4	12.0	12.0	9.6	9.6	9.6	9.6	
295		24.0	21.6	21.6	19.2	14.4	14.4	12.0	9.6	9.6	9.6	9.6	9.6	
305		24.0	21.6	21.6	19.2	14.4	14.4	12.0	9.6	9.6	9.6	9.6		
324		21.6	21.6	19.2	14.4	14.4	12.0	9.6	9.6	9.6	9.6			
356			14.4	14.4	12.0	9.6	9.6	9.6	9.6	9.6				
371			14.4	12.0	12.0	9.6	9.6	9.6	9.6					
377			14.4	12.0	9.6	9.6	9.6	9.6	9.6					
406			12.0	9.6	9.6	9.6	9.6							
426			9.6	9.6	9.6	9.6								
457			9.6	9.6	9.6									
479			9.6	9.6										
490			9.6											
508														
533														
558														
612														
630														
665														
714														
720														
762														
813														
822														
914														
1016														

Packing on pallet 1200 x 1200 mm (Single pieces packed in foil). 24 of these pallets fill up 1 truck.

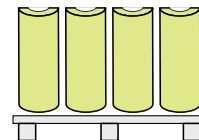


# PAROC® PRO SECTION (WR)

## RUNNING METERS/1-LAYER PALLET FOR HALF SECTIONS (F1)



Inner diameter  $\geq$  219 mm



Pipe ID mm	Insulation thickness													
	30	40	50	60	70	80	90	100	110	120	130	140	150	160
219	30.0	27.6	21.6	19.2	14.4	14.4	12.0	10.8	9.6	9.6	7.2	7.2	6.0	6.0
230	32.4	24.0	20.4	18.0	14.4	13.2	12.0	10.8	9.6	9.6	7.2	7.2	6.0	6.0
240	31.2	24.0	20.4	16.8	14.4	12.0	12.0	10.8	8.4	8.4	7.2	6.0	6.0	4.8
245	25.2	24.0	19.2	15.6	13.2	13.2	10.8	9.6	8.4	8.4	7.2	6.0	4.8	4.8
259	24.0	22.8	16.8	15.6	13.2	12.0	9.6	9.6	8.4	7.2	7.2	6.0	4.8	4.8
273	24.0	20.4	15.6	14.4	12.0	12.0	9.6	9.6	7.2	7.2	6.0	6.0	4.8	4.8
289	22.8	18.0	15.6	13.2	12.0	10.8	9.6	8.4	7.2	7.2	6.0	4.8	4.8	4.8
295	24.0	18.0	14.4	13.2	10.8	10.8	8.4	8.4	7.2	7.2	6.0	6.0	4.8	4.8
305	20.4	16.8	15.6	13.2	10.8	9.6	8.4	8.4	7.2	6.0	6.0	4.8	4.8	4.8
324	19.2	16.8	13.2	12.0	10.8	9.6	8.4	7.2	7.2	6.0	4.8	4.8	4.8	4.8
356	16.8	13.2	12.0	9.6	9.6	8.4	8.4	7.2	6.0	6.0	4.8	4.8	3.6	3.6
371	16.8	13.2	12.0	9.6	9.6	8.4	6.0	6.0	6.0	4.8	4.8	3.6	3.6	3.6
377	14.4	13.2	10.8	9.6	8.4	7.2	6.0	6.0	4.8	4.8	4.8	3.6	3.6	3.6
406	13.2	10.8	9.6	8.4	7.2	7.2	6.0	6.0	4.8	4.8	4.8	3.6	3.6	3.6
426	12.0	12.0	8.4	8.4	6.0	6.0	6.0	4.8	4.8	4.8	4.8	3.6	3.6	2.4
457	10.8	9.6	8.4	7.2	6.0	6.0	4.8	4.8	4.8	4.8	3.6	3.6	3.6	2.4
479	9.6	8.4	7.2	7.2	6.0	6.0	4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4
490	10.8	8.4	7.2	7.2	6.0	6.0	4.8	4.8	3.6	3.6	3.6	3.6	2.4	2.4
508	9.6	8.4	7.2	6.0	6.0	4.8	4.8	4.8	4.8	3.6	3.6	3.6	2.4	2.4
533		7.2	7.2	6.0	6.0	4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4
558		6.0	6.0	6.0	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4	2.4
612		6.0	6.0	4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4
630		6.0	4.8	4.8	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4
665		6.0	4.8	4.8	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4
714		6.0	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2
720			4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2
762			4.8	3.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2
813			3.6	3.6	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
822			3.6	3.6	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
914			2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
1016			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		

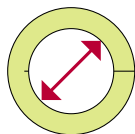
  this range can be produced and delivered as hinged and F1- half sections

  available only as F1- half sections

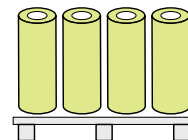
Packing on pallet 1200 x 1200 mm. 48 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

# PAROC® PRO SECTION (WR)

## RUNNING METERS/1-LAYER PALLET FOR HINGED SECTIONS



Inner diameter  $\geq$  219 mm

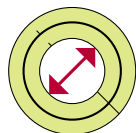


Pipe ID mm	Insulation thickness													
	30	40	50	60	70	80	90	100	110	120	130	140	150	160
219	19.2	19.2	15.6	14.4	10.8	10.8	10.8	9.6	9.6	7.2	7.2	6.0	4.8	4.8
230	19.2	19.2	14.4	12.0	10.8	10.8	9.6	9.6	7.2	7.2	6.0	6.0	4.8	4.8
240	19.2	15.6	14.4	10.8	10.8	10.8	9.6	9.6	7.2	7.2	6.0	4.8	4.8	4.8
245	19.2	15.6	12.0	10.8	10.8	10.8	9.6	9.6	7.2	7.2	6.0	4.8	4.8	4.8
259	15.6	14.4	10.8	10.8	10.8	9.6	9.6	7.2	7.2	6.0	4.8	4.8	4.8	4.8
273	14.4	12.0	10.8	10.8	9.6	9.6	7.2	7.2	6.0	4.8	4.8	4.8	4.8	4.8
289		14.4	12.0	10.8	10.8	7.2	7.2	6.0	6.0	4.8	4.8	4.8	4.8	
295		12.0	10.8	10.8	9.6	7.2	7.2	6.0	4.8	4.8	4.8	4.8	4.8	
305		12.0	10.8	10.8	9.6	7.2	7.2	6.0	4.8	4.8	4.8	4.8		
324		10.8	10.8	9.6	7.2	7.2	6.0	4.8	4.8	4.8	4.8			
356			7.2	7.2	6.0	4.8	4.8	4.8	4.8	4.8				
371			7.2	6.0	6.0	4.8	4.8	4.8	4.8					
377			7.2	6.0	4.8	4.8	4.8	4.8	4.8					
406			6.0	4.8	4.8	4.8	4.8							
426			4.8	4.8	4.8	4.8								
457			4.8	4.8	4.8									
479			4.8	4.8										
490			4.8											
508														
533														
558														
612														
630														
665														
714														
720														
762														
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822														
914														
1016														

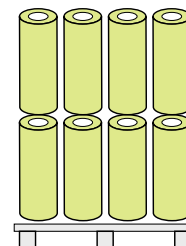
Packing on pallet 1200 x 1200 mm (Single pieces packed in foil). 48 of these pallets fill up 1 truck.

# PAROC® PRO LOCK SECTION (WR)

## RUNNING METERS/2-LAYER PALLET FOR HINGED SECTIONS



Inner diameter  $\geq 168$



Pipe ID mm	Insulation thickness											
	60	70	80	90	100	110	120	130	140	150	160	
168	38.4	38.4	31.2	24.0	21.6	21.6	19.2					
194	38.4	28.8	24.0	21.6	21.6	19.2						
208	31.2	24.0	21.6	21.6	19.2	19.2						
219	28.8	21.6	21.6	21.6	19.2	19.2	14.4	14.4	12.0	9.6	9.6	
230	24.0	21.6	21.6	19.2	19.2	14.4	14.4	12.0	12.0	9.6	9.6	
240	21.6	21.6	21.6	19.2	19.2	14.4	14.4	12.0	9.6	9.6	9.6	
245	21.6	21.6	21.6	19.2	19.2	14.4	14.4	12.0	9.6	9.6	9.6	
259	21.6	21.6	19.2	19.2	14.4	14.4	12.0	9.6	9.6	9.6	9.6	
273	21.6	19.2	19.2	14.4	14.4	12.0	9.6	9.6	9.6	9.6	9.6	
289	21.6	21.6	14.4	14.4	12.0	12.0	9.6	9.6	9.6	9.6	9.6	
295	21.6	19.2	14.4	14.4	12.0	9.6	9.6	9.6	9.6	9.6	9.6	
305	21.6	19.2	14.4	14.4	12.0	9.6	9.6	9.6	9.6	9.6	7.2	
324	19.2	14.4	14.4	12.0	9.6	9.6	9.6	9.6	9.6	7.2	7.2	
356	14.4	12.0	9.6	9.6	9.6	9.6	9.6	7.2	7.2	4.8	4.8	
371	12.0	12.0	9.6	9.6	9.6	9.6	9.6	7.2	7.2	4.8	4.8	
377	12.0	9.6	9.6	9.6	9.6	9.6	7.2	7.2	4.8	4.8	4.8	
406	9.6	9.6	9.6	9.6	9.6	7.2	7.2	4.8	4.8	4.8	4.8	
426	9.6	9.6	9.6	9.6	7.2	7.2	4.8	4.8	4.8	4.8	4.8	2.4
457	9.6	9.6	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8	2.4	2.4
479	9.6	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4
490	9.6	7.2	7.2	4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4
508	7.2	7.2	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4	2.4
533	7.2	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4
558	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
612	4.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
630	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
665	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
714	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
720	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
762	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
813	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
822	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
914	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
1016	2.4	2.4										

PAROC® Pro Lock - manufactured in Hallekis

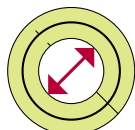
PAROC® Pro Lock - manufactured in Trzemeszno

Packing on pallet 1200 x 1200 mm (Single pieces packed in foil). 24 of these pallets fill up 1 truck.

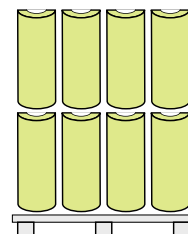


# PAROC® PRO LOCK SECTION (WR)

## RUNNING METERS/2-LAYER PALLET FOR HALF SECTIONS (F1)



Inner diameter  $\geq 168$  mm



Pipe ID mm	Insulation thickness										
	60	70	80	90	100	110	120	130	140	150	160
219	38.4	28.8	28.8	24.0	21.6	19.2	19.2	14.4	14.4	12.0	12.0
230	36.0	28.8	26.4	24.0	21.6	19.2	19.2	14.4	14.4	12.0	12.0
240	33.6	28.8	24.0	24.0	21.6	16.8	16.8	14.4	12.0	12.0	9.6
245	31.2	26.4	26.4	21.6	19.2	16.8	16.8	14.4	12.0	9.6	9.6
259	31.2	26.4	24.0	19.2	19.2	16.8	14.4	14.4	12.0	9.6	9.6
273	28.8	24.0	24.0	19.2	19.2	14.4	14.4	12.0	12.0	9.6	9.6
289	26.4	24.0	21.6	19.2	16.8	14.4	14.4	12.0	9.6	9.6	9.6
295	26.4	21.6	21.6	16.8	16.8	14.4	14.4	12.0	12.0	9.6	9.6
305	26.4	21.6	19.2	16.8	16.8	14.4	12.0	12.0	9.6	9.6	9.6
324	24.0	21.6	19.2	16.8	14.4	14.4	12.0	9.6	9.6	9.6	9.6
356	19.2	19.2	16.8	16.8	14.4	12.0	12.0	9.6	9.6	7.2	7.2
371	19.2	19.2	16.8	12.0	12.0	12.0	9.6	9.6	7.2	7.2	7.2
377	19.2	16.8	14.4	12.0	12.0	9.6	9.6	9.6	7.2	7.2	7.2
406	16.8	14.4	14.4	12.0	12.0	9.6	9.6	9.6	7.2	7.2	7.2
426	16.8	12.0	12.0	12.0	9.6	9.6	9.6	9.6	7.2	7.2	4.8
457	14.4	12.0	12.0	9.6	9.6	9.6	9.6	7.2	7.2	7.2	4.8
479	14.4	12.0	12.0	9.6	9.6	9.6	9.6	7.2	7.2	4.8	4.8
490	14.4	12.0	12.0	9.6	9.6	9.6	7.2	7.2	7.2	4.8	4.8
508	12.0	12.0	9.6	9.6	9.6	9.6	7.2	7.2	7.2	4.8	4.8
533	12.0	12.0	9.6	9.6	7.2	7.2	7.2	4.8	4.8	4.8	4.8
558	12.0	9.6	9.6	9.6	7.2	7.2	4.8	4.8	4.8	4.8	4.8
612	9.6	9.6	7.2	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8
630	9.6	7.2	7.2	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8
665	9.6	7.2	7.2	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8
714	7.2	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8	2.4	2.4
720	7.2	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8	2.4	2.4
762	7.2	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4
813	7.2	4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4
822	7.2	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4
914	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4	2.4		
1016	2.4	2.4	2.4	2.4	2.4						

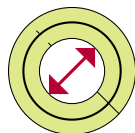
PAROC® Pro Lock - manufactured in Hallekis

PAROC® Pro Lock - manufactured in Trzemeszno

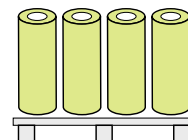
Packing on pallet 1200 x 1200 mm. 24 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

# PAROC® PRO LOCK SECTION (WR)

## RUNNING METERS/1-LAYER PALLET FOR HINGED SECTIONS



Inner diameter  $\geq 168$



Pipe ID mm	Insulation thickness											
	60	70	80	90	100	110	120	130	140	150	160	
168	19.2	19.2	15.6	12.0	10.8	10.8	9.6					
194	19.2	14.2	12.0	10.8	10.8	9.6						
208	15.6	12.0	10.8	10.8	9.6	9.6						
219	14.4	10.8	10.8	10.8	9.6	9.6	7.2	7.2	6.0	4.8	4.8	
230	12.0	10.8	10.8	9.6	9.6	7.2	7.2	6.0	6.0	4.8	4.8	
240	10.8	10.8	10.8	9.6	9.6	7.2	7.2	6.0	4.8	4.8	4.8	
245	10.8	10.8	10.8	9.6	9.6	7.2	7.2	6.0	4.8	4.8	4.8	
259	10.8	10.8	9.6	9.6	7.2	7.2	6.0	4.8	4.8	4.8	4.8	
273	10.8	9.6	9.6	7.2	7.2	6.0	4.8	4.8	4.8	4.8	4.8	
289	10.8	10.8	7.2	7.2	6.0	6.0	4.8	4.8	4.8	4.8	4.8	
295	10.8	9.6	7.2	7.2	6.0	4.8	4.8	4.8	4.8	4.8	4.8	
305	10.8	9.6	7.2	7.2	6.0	4.8	4.8	4.8	4.8	4.8	4.8	3.6
324	9.6	7.2	7.2	6.0	4.8	4.8	4.8	4.8	4.8	3.6	3.6	
356	7.2	6.0	4.8	4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4	
371	6.0	6.0	4.8	4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4	
377	6.0	4.8	4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4	
406	4.8	4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4	
426	4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4	2.4	1.2
457	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4	2.4	1.2	1.2	
479	4.8	3.6	3.6	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	
490	4.8	3.6	3.6	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	
508	3.6	3.6	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	
533	3.6	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	
558	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
612	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
630	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
665	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
714	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
720	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
762	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
813	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
822	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
914	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
1016	1.2	1.2	1.2	1.2	1.2							

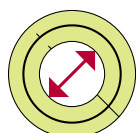
PAROC® Pro Lock - manufactured in Hallekis

PAROC® Pro Lock - manufactured in Trzemeszno

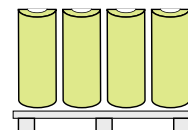
Packing on pallet 1200 x 1200 mm (Single pieces packed in foil). 48 of these pallets fill up 1 truck.

# PAROC® PRO LOCK SECTION (WR)

## RUNNING METERS/1-LAYER PALLET FOR HALF SECTIONS (F1)



Inner diameter  $\geq$  168 mm



Pipe ID mm	Insulation thickness											
	60	70	80	90	100	110	120	130	140	150	160	
219	19.2	14.4	14.4	12.0	10.8	9.6	9.6	7.2	7.2	6.0	6.0	
230	18.0	14.4	13.2	12.0	10.8	9.6	9.6	7.2	7.2	6.0	6.0	
240	16.8	14.4	12.0	12.0	10.8	8.4	8.4	7.2	6.0	6.0	4.8	
245	15.6	13.2	13.2	10.8	9.6	8.4	8.4	7.2	6.0	4.8	4.8	
259	15.6	13.2	12.0	9.6	9.6	8.4	7.2	7.2	6.0	4.8	4.8	
273	14.4	12.0	12.0	9.6	9.6	7.2	7.2	6.0	6.0	4.8	4.8	
289	13.2	12.0	10.8	9.6	8.4	7.2	7.2	6.0	4.8	4.8	4.8	
295	13.2	10.8	10.8	8.4	8.4	7.2	7.2	6.0	6.0	4.8	4.8	
305	13.2	10.8	9.6	8.4	8.4	7.2	6.0	6.0	4.8	4.8	4.8	
324	12.0	10.8	9.6	8.4	7.2	7.2	6.0	4.8	4.8	4.8	4.8	
356	9.6	9.6	8.4	8.4	7.2	6.0	6.0	4.8	4.8	3.6	3.6	
371	9.6	9.6	8.4	6.0	6.0	6.0	4.8	4.8	3.6	3.6	3.6	
377	9.6	8.4	7.2	6.0	6.0	4.8	4.8	4.8	3.6	3.6	3.6	
406	8.4	7.2	7.2	6.0	6.0	4.8	4.8	4.8	3.6	3.6	3.6	
426	8.4	6.0	6.0	6.0	4.8	4.8	4.8	4.8	3.6	3.6	2.4	
457	7.2	6.0	6.0	4.8	4.8	4.8	4.8	3.6	3.6	3.6	2.4	
479	7.2	6.0	6.0	4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4	
490	7.2	6.0	6.0	4.8	4.8	4.8	3.6	3.6	3.6	2.4	2.4	
508	6.0	6.0	4.8	4.8	4.8	4.8	3.6	3.6	3.6	2.4	2.4	
533	6.0	6.0	4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4	
558	6.0	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4	2.4	
612	4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	
630	4.8	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	
665	4.8	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	
714	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	
720	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	
762	3.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	
813	3.6	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	
822	3.6	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
914	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2			
1016	1.2	1.2	1.2	1.2	1.2							

PAROC® Pro Lock - manufactured in Hallekis

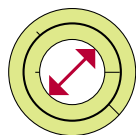
PAROC® Pro Lock - manufactured in Trzemeszno

Packing on pallet 1200 x 1200 mm . 48 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

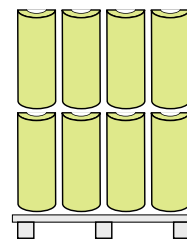


# PAROC® PRO SECTION DOUBLE LAYER SYSTEM (WR)

## NUMBER OF FULL SECTIONS/2-LAYER PALLET



Inner diameter  $\geq 219$  mm  
two layers pallet  
for Half Sections (F1)



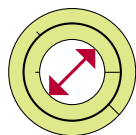
Pipe ID mm	Insulation thickness										
	80	90	100	110	120	130	140	150	160	170	180
219	24.0	20.0	18.0	16.0	16.0	12.0	12.0	10.0	10.0	8.0	8.0
230	22.0	20.0	18.0	16.0	16.0	12.0	12.0	10.0	10.0	8.0	8.0
240	20.0	20.0	18.0	14.0	14.0	12.0	10.0	10.0	8.0	8.0	8.0
245	22.0	18.0	16.0	14.0	14.0	12.0	10.0	8.0	8.0	8.0	8.0
259	20.0	16.0	16.0	14.0	12.0	12.0	10.0	8.0	8.0	8.0	8.0
273	20.0	16.0	16.0	12.0	12.0	10.0	10.0	8.0	8.0	8.0	8.0
289		16.0	14.0	12.0	12.0	10.0	8.0	8.0	8.0	8.0	7.0
295		14.0	14.0	12.0	12.0	10.0	10.0	8.0	8.0	8.0	6.0
305		14.0	14.0	12.0	10.0	10.0	8.0	8.0	8.0	7.0	6.0
324	16.0	14.0	12.0	12.0	10.0	8.0	8.0	8.0	8.0	7.0	6.0
356			12.0	10.0	10.0	8.0	8.0	6.0	6.0	6.0	6.0
371			10.0	10.0	8.0	8.0	6.0	6.0	6.0	6.0	5.0
377			10.0	8.0	8.0	8.0	6.0	6.0	6.0	6.0	5.0
406			10.0	8.0	8.0	8.0	6.0	6.0	6.0	5.0	5.0
426			8.0	8.0	8.0	8.0	6.0	6.0	4.0	5.0	4.0
457			8.0	8.0	8.0	6.0	6.0	6.0	4.0	4.0	4.0
479			8.0	8.0	8.0	6.0	6.0	4.0	4.0	4.0	4.0
490			8.0	8.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0
508			8.0	8.0	6.0	6.0	6.0	4.0	4.0	4.0	4.0
533			6.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0
558			6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
612			6.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0
630			6.0	4.0	4.0	4.0	4.0	4.0	4.0	2.0	2.0
665											
714			4.0	4.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0
720											
762					4.0	4.0	2.0	2.0	2.0	2.0	2.0
813			4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	
822											
914											
1016											

Packing on pallet 1200 x 1200 mm. 24 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

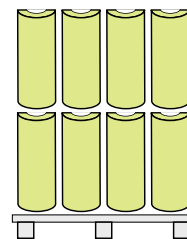
TABLE OF CONTENTS

# PAROC® PRO SECTION DOUBLE LAYER SYSTEM (WR)

## NUMBER OF FULL SECTIONS/2-LAYER PALLET



Inner diameter  $\geq 219$  mm  
two layers pallet for Half  
Sections (F1)



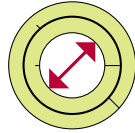
Pipe ID mm	Insulation thickness											
	190	200	210	220	230	240	250	260	270	280	300	
219	8.0	8.0	7.0	6.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	
230	8.0	8.0	7.0	6.0	6.0	5.0	5.0	5.0	4.0	4.0	3.0	
240	8.0	8.0	6.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	3.0	
245	8.0	6.0	6.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	3.0	
259	8.0	6.0	6.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0	
273	7.0	6.0	6.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0	3.0	
289	6.0	6.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0	3.0	
295	6.0	6.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0	3.0	3.0	
305	6.0	6.0	6.0	5.0	5.0	4.0	4.0	4.0	3.0	3.0	3.0	
324	6.0	6.0	5.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	2.0	
356	6.0	5.0	5.0	4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	
371	5.0	5.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	
377	5.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	
406	4.0	4.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0	2.0	
426	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	
457	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	
479	4.0	4.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	
490	4.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	
508	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	
533	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
558	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	-	
612	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
630	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
665												
714	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
720												
762	2.0	2.0	2.0									
813												
822												
914												
1016												

Packing on pallet 1200 x 1200 mm. 24 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

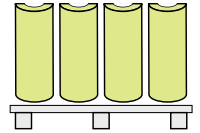
TABLE OF CONTENTS

# PAROC® PRO SECTION DOUBLE LAYER SYSTEM (WR)

## NUMBER OF FULL SECTIONS/1-LAYER PALLET



Inner diameter  $\geq 219$  mm,  
one layer pallet for Half Sections (F1)

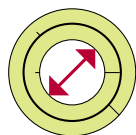


Pipe ID mm	Insulation thickness										
	80	90	100	110	120	130	140	150	160	170	180
219	12.0	10.0	9.0	8.0	8.0	6.0	6.0	5.0	5.0	4.0	4.0
230	11.0	10.0	9.0	8.0	8.0	6.0	6.0	5.0	5.0	4.0	4.0
240	10.0	10.0	9.0	7.0	7.0	6.0	5.0	5.0	4.0	4.0	4.0
245	11.0	9.0	8.0	7.0	7.0	6.0	5.0	4.0	4.0	4.0	4.0
259	10.0	8.0	8.0	7.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0
273	10.0	8.0	8.0	6.0	6.0	5.0	5.0	4.0	4.0	4.0	4.0
289		8.0	7.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0	3.0
295		7.0	7.0	6.0	6.0	5.0	5.0	4.0	4.0	4.0	3.0
305		7.0	7.0	6.0	5.0	5.0	4.0	4.0	4.0	3.0	3.0
324	8.0	7.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0	3.0	3.0
356			6.0	5.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0
371			5.0	5.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0
377			5.0	4.0	4.0	4.0	3.0	3.0	3.0	3.0	2.0
406			5.0	4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0
426			4.0	4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0
457			4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0
479			4.0	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0
490			4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
508			4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
533			3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0
558			3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
612			3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0
630			3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0
665											
714			2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
720											
762			0.0	0.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
813			2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	
822											
914											
1016											

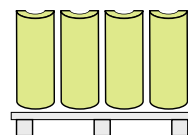
Packing on pallet 1200 x 1200 mm ). 48 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

# PAROC® PRO SECTION DOUBLE LAYER SYSTEM (WR)

## NUMBER OF FULL SECTIONS/1-LAYER PALLET



Inner diameter  $\geq$  219 mm,  
one layer pallet for Half Sections (F1)

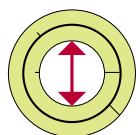


Pipe ID mm	Insulation thickness											
	190	200	210	220	230	240	250	260	270	280	300	
219	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	
230	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	
240	4.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	
245	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	
259	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
273	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	
289	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	
295	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	
305	3.0	3.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	
324	3.0	3.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	
356	3.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	
371	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	
377	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	
406	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	
426	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	
457	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	
479	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	
490	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
508	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
533	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
558	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
612	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
630	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
665												
714	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				
720												
762	1.0	1.0	1.0									
813												
822												
914												
1016												

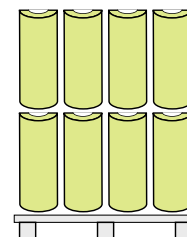
Packing on pallet 1200 x 1200 mm. 48 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

# PAROC® PRO SECTION DOUBLE LAYER SYSTEM (WR)

NUMBER OF FULL SECTIONS IN RUNNING METERS/2-LAYER PALLET FOR HALF SECTIONS (F1)



Inner diameter  $\geq$  219 mm



Pipe ID mm	Insulation thickness										
	80	90	100	110	120	130	140	150	160	170	180
219	28.8	24.0	21.6	19.2	19.2	14.4	14.4	12.0	12.0	9.6	9.6
230	26.4	24.0	21.6	19.2	19.2	14.4	14.4	12.0	12.0	9.6	9.6
240	24.0	24.0	21.6	16.8	16.8	14.4	12.0	12.0	9.6	9.6	9.6
245	26.4	21.6	19.2	16.8	16.8	14.4	12.0	9.6	9.6	9.6	9.6
259	24.0	19.2	19.2	16.8	14.4	14.4	12.0	9.6	9.6	9.6	9.6
273	24.0	19.2	19.2	14.4	14.4	12.0	12.0	9.6	9.6	9.6	9.6
289		19.2	16.8	14.4	14.4	12.0	9.6	9.6	9.6	9.6	8.4
295		16.8	16.8	14.4	14.4	12.0	12.0	9.6	9.6	9.6	7.2
305		16.8	16.8	14.4	12.0	12.0	9.6	9.6	9.6	8.4	7.2
324	19.2	16.8	14.4	14.4	12.0	9.6	9.6	9.6	9.6	8.4	7.2
356			14.4	12.0	12.0	9.6	9.6	7.2	7.2	7.2	7.2
371			12.0	12.0	9.6	9.6	7.2	7.2	7.2	7.2	6.0
377			12.0	9.6	9.6	9.6	7.2	7.2	7.2	7.2	6.0
406			12.0	9.6	9.6	9.6	7.2	7.2	7.2	6.0	6.0
426			9.6	9.6	9.6	9.6	7.2	7.2	4.8	6.0	4.8
457			9.6	9.6	9.6	7.2	7.2	7.2	4.8	4.8	4.8
479			9.6	9.6	9.6	7.2	7.2	4.8	4.8	4.8	4.8
490			9.6	9.6	7.2	7.2	7.2	4.8	4.8	4.8	4.8
508			9.6	9.6	7.2	7.2	7.2	4.8	4.8	4.8	4.8
533			7.2	7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8
558			7.2	7.2	4.8	4.8	4.8	4.8	4.8	4.8	4.8
612			7.2	4.8	4.8	4.8	4.8	4.8	4.8	3.6	3.6
630			7.2	4.8	4.8	4.8	4.8	4.8	4.8	2.4	2.4
665											
714			4.8	4.8	4.8	4.8	4.8	2.4	2.4	2.4	2.4
720											
762					4.8	4.8	2.4	2.4	2.4	2.4	2.4
813			4.8	4.8	2.4	2.4	2.4	2.4	2.4	2.4	
822											
914											
1016											

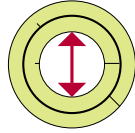
Packing on pallet 1200 x 1200 mm. 24 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

TABLE OF CONTENTS

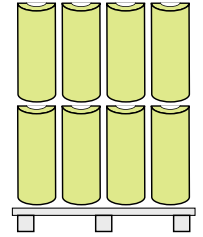


# PAROC® PRO SECTION DOUBLE LAYER SYSTEM (WR)

NUMBER OF FULL SECTIONS IN RUNNING METERS/2-LAYER PALLET FOR HALF SECTIONS (F1)



Inner diameter  $\geq$  219 mm

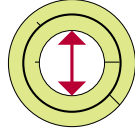


Pipe ID mm	Insulation thickness										
	190	200	210	220	230	240	250	260	270	280	300
219	9.6	9.6	8.4	7.2	7.2	6.0	6.0	6.0	4.8	4.8	4.8
230	9.6	9.6	8.4	7.2	7.2	6.0	6.0	6.0	4.8	4.8	3.6
240	9.6	9.6	7.2	7.2	6.0	6.0	6.0	4.8	4.8	4.8	3.6
245	9.6	7.2	7.2	7.2	6.0	6.0	6.0	4.8	4.8	4.8	3.6
259	9.6	7.2	7.2	7.2	6.0	6.0	4.8	4.8	4.8	4.8	4.8
273	8.4	7.2	7.2	7.2	6.0	6.0	4.8	4.8	4.8	4.8	3.6
289	7.2	7.2	7.2	6.0	6.0	6.0	4.8	4.8	4.8	4.8	3.6
295	7.2	7.2	7.2	6.0	6.0	4.8	4.8	4.8	4.8	3.6	3.6
305	7.2	7.2	7.2	6.0	6.0	4.8	4.8	4.8	3.6	3.6	3.6
324	7.2	7.2	6.0	4.8	4.8	4.8	4.8	3.6	3.6	3.6	2.4
356	7.2	6.0	6.0	4.8	4.8	4.8	3.6	3.6	3.6	2.4	2.4
371	6.0	6.0	4.8	4.8	4.8	4.8	3.6	3.6	3.6	2.4	2.4
377	6.0	4.8	4.8	4.8	4.8	4.8	3.6	3.6	3.6	2.4	2.4
406	4.8	4.8	4.8	4.8	4.8	3.6	3.6	3.6	3.6	2.4	2.4
426	4.8	4.8	4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4
457	4.8	4.8	4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4
479	4.8	4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4
490	4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4	2.4
508	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4
533	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4
558	4.8	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
612	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
630	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
665											
714	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4			
720											
762	2.4	2.4	2.4								
813											
822											
914											
1016											

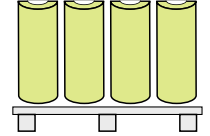
Packing on pallet 1200 x 1200 mm. 24 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

# PAROC® PRO SECTION DOUBLE LAYER SYSTEM (WR)

NUMBER OF FULL SECTIONS IN RUNNING METERS/1-LAYER PALLET FOR HALF SECTIONS (F1)



Inner diameter  $\geq$  219 mm

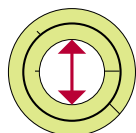


Pipe ID mm	Insulation thickness										
	80	90	100	110	120	130	140	150	160	170	180
219	14.4	12.0	10.8	9.6	9.6	7.2	7.2	6.0	6.0	4.8	4.8
230	13.2	12.0	10.8	9.6	9.6	7.2	7.2	6.0	6.0	4.8	4.8
240	12.0	12.0	10.8	8.4	8.4	7.2	6.0	6.0	4.8	4.8	4.8
245	13.2	10.8	9.6	8.4	8.4	7.2	6.0	4.8	4.8	4.8	4.8
259	12.0	9.6	9.6	8.4	7.2	7.2	6.0	4.8	4.8	4.8	4.8
273	12.0	9.6	9.6	7.2	7.2	6.0	6.0	4.8	4.8	4.8	4.8
289		9.6	8.4	7.2	7.2	6.0	4.8	4.8	4.8	4.8	3.6
295		8.4	8.4	7.2	7.2	6.0	6.0	4.8	4.8	4.8	3.6
305		8.4	8.4	7.2	6.0	6.0	4.8	4.8	4.8	3.6	3.6
324	9.6	8.4	7.2	7.2	6.0	4.8	4.8	4.8	4.8	3.6	3.6
356			7.2	6.0	6.0	4.8	4.8	3.6	3.6	3.6	3.6
371			6.0	6.0	4.8	4.8	3.6	3.6	3.6	3.6	2.4
377			6.0	4.8	4.8	4.8	3.6	3.6	3.6	3.6	2.4
406			6.0	4.8	4.8	4.8	3.6	3.6	3.6	2.4	2.4
426			4.8	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4
457			4.8	4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4
479			4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4
490			4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4
508			4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4
533			3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4
558			3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4
612			3.6	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2
630			3.6	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2
665											
714			2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2
720											
762					2.4	2.4	1.2	1.2	1.2	1.2	1.2
813			2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	
822											
914											
1016											

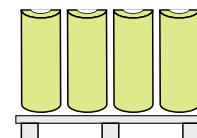
Packing on pallet 1200 x 1200 mm. 48 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

# PAROC® PRO SECTION DOUBLE LAYER SYSTEM (WR)

NUMBER OF FULL SECTIONS IN RUNNING METERS/1-LAYER PALLET FOR HALF SECTIONS (F1)



Inner diameter  $\geq$  219 mm

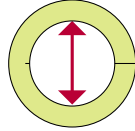


Pipe ID mm	Insulation thickness										
	190	200	210	220	230	240	250	260	270	280	300
219	4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4
230	4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	1.2
240	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	1.2
245	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	1.2
259	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4
273	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	1.2
289	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.2
295	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2
305	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2
324	3.6	3.6	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2
356	3.6	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
371	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
377	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
406	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
426	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
457	2.4	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
479	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
490	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
508	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
533	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
558	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
612	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
630	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
665											
714	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2			
720											
762	1.2	1.2	1.2								
813											
822											
914											
1016											

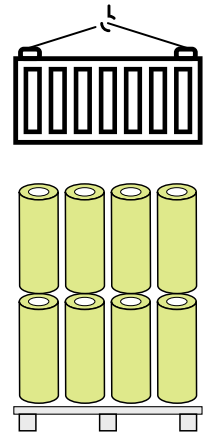
Packing on pallet 1200 x 1200 mm. 48 of these pallets fill up 1 truck. PS as half sections are packed as loose PS on a pallet.

# PAROC® PRO SECTION (WR)

**RUNNING METERS/2-LAYER EXPORT PALLET FOR HINGED SECTIONS  
PACKING ON 1100 x 1100 PALLETS FOR CONTAINER LOADING**



**Inner diameter ≤ 273 mm**

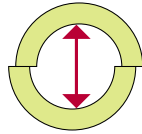
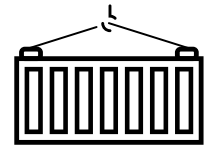


Pipe ID mm	Insulation thickness											
	20	25	30	40	50	60	70	80	90	100	110	120
12-18	456.0	364.8	364.8	456.0	168.0	144.0						
22-28	364.8	364.8	364.8	235.2	151.2	144.0	93.6	79.2				
32-38	364.8	364.8	456.0	168.0	144.0	108.0	79.2	64.8				
42-48	456.0	456.0	235.2	151.2	108.0	93.6	79.2	64.8				
15	840.0	672.0	364.8	456.0	168.0							
18	672.0	364.8	364.8	235.2	168.0	144.0						
22	672.0	364.8	364.8	235.2	151.2	144.0	93.6	79.2				
28	364.8	364.8	456.0	235.2	151.2	108.0	93.6	64.8				
35	364.8	364.8	456.0	168.0	144.0	108.0	79.2	64.8	57.6	43.2		
42	364.8	273.6	235.2	151.2	144.0	93.6	79.2	64.8	57.6	43.2		
48	456.0	235.2	168.0	151.2	108.0	93.6	64.8	64.8	43.2	43.2		
54	456.0	235.2	168.0	151.2	108.0	79.2	64.8	57.6	43.2	38.4		
57	235.2	235.2	168.0	144.0	108.0	79.2	64.8	57.6	43.2	38.4		
60	235.2	168.0	168.0	144.0	108.0	79.2	64.8	57.6	43.2	38.4		
64	235.2	168.0	151.2	144.0	93.6	79.2	64.8	57.6	43.2	38.4	28.8	28.8
70	168.0	168.0	151.2	108.0	93.6	64.8	64.8	43.2	43.2	38.4	28.8	28.8
76	168.0	151.2	144.0	108.0	79.2	64.8	57.6	43.2	38.4	38.4	28.8	24.0
84			144.0	93.6	79.2	64.8	57.6	43.2	38.4	28.8	28.8	24.0
89	151.2	144.0	108.0	93.6	64.8	64.8	43.2	43.2	38.4	28.8	24.0	24.0
102	144.0	108.0	93.6	79.2	64.8	57.6	43.2	38.4	28.8	28.8	24.0	21.6
108		108.0	93.6	64.8	64.8	43.2	43.2	38.4	28.8	28.8	24.0	21.6
114		93.6	79.2	64.8	57.6	43.2	38.4	38.4	28.8	28.8	24.0	21.6
121		93.6	79.2	64.8	57.6	43.2	38.4	28.8	28.8	24.0	21.6	21.6
127		79.2	64.8	64.8	43.2	43.2	38.4	28.8	28.8	24.0	21.6	21.6
133		79.2	64.8	57.6	43.2	38.4	38.4	28.8	28.8	24.0	21.6	21.6
140		64.8	64.8	57.6	43.2	38.4	28.8	28.8	24.0	24.0	21.6	14.4
156		64.8	57.6	43.2	38.4	38.4	28.8	28.8	24.0	21.6	21.6	14.4
159		64.8	57.6	43.2	38.4	28.8	28.8	24.0	24.0	21.6	16.8	14.4
162		64.8	57.6	43.2	38.4	28.8	28.8	24.0	24.0	21.6	16.8	14.4
168		57.6	43.2	43.2	38.4	28.8	28.8	24.0	21.6	21.6	14.4	14.4
178		43.2	43.2	38.4	28.8	28.8	24.0	24.0	21.6	21.6	14.4	14.4
194		43.2	38.4	38.4	28.8	28.8	24.0	21.6	21.6	16.8	14.4	
208			38.4	28.8	28.8	24.0	21.6	21.6	16.8	14.4	14.4	
219			28.8	28.8	24.0	24.0	21.6	21.6	14.4	14.4		
230			28.8	28.8	24.0	21.6	21.6	16.8	14.4	14.4		
245			28.8	24.0	21.6	21.6	16.8	14.4	14.4	12.0		

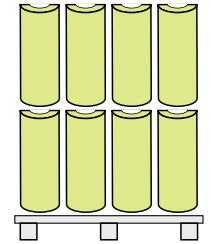
Packed on 1100 x 1100 mm fumigated pallet (in accordance with ISPM No. 15:2009). PS as single hinged sections are packed in plastic.

# PAROC® PRO SECTION (WR)

**RUNNING METERS/2-LAYER EXPORT PALLET FOR HALF SECTIONS  
PACKING ON 1100 x 1100 PALLETS FOR CONTAINER LOADING**



**Inner diameter  $\geq$  219 mm**



Pipe ID mm	Insulation thickness													
	30	40	50	60	70	80	90	100	110	120	130	140	150	160
219	51.6	45.6	32.4	28.8	26.4	24.0	19.2	18.0	15.6	14.4	13.2	12.0	10.8	9.6
230	55.2	39.6	32.4	28.8	24.0	21.6	19.2	16.8	15.6	14.4	12.0	12.0	9.6	9.6
240	50.4	36.0	31.2	27.6	24.0	21.6	19.2	16.8	13.2	12.0	12.0	10.8	9.6	9.6
245	44.4	36.0	28.8	27.6	22.8	21.6	18.0	16.8	13.2	13.2	12.0	9.6	9.6	8.4
259	40.8	36.0	28.8	25.2	21.6	20.4	16.8	15.6	14.4	12.0	12.0	9.6	8.4	8.4
273	39.6	34.8	26.4	24.0	19.2	18.0	15.6	14.4	13.2	12.0	9.6	9.6	7.2	7.2
289	36.0	28.8	25.2	21.6	18.0	15.6	14.4	13.2	12.0	12.0	9.6	9.6	7.2	7.2
295	36.0	28.8	24.0	21.6	18.0	18.0	15.6	13.2	12.0	10.8	9.6	8.4	8.4	8.4
305	36.0	27.6	24.0	21.6	19.2	15.6	14.4	13.2	10.8	9.6	9.6	8.4	8.4	7.2
324	30.0	27.6	21.6	19.2	16.8	14.4	12.0	12.0	10.8	9.6	9.6	8.4	7.2	7.2
356	27.6	21.6	19.2	16.8	16.8	13.2	13.2	9.6	8.4	8.4	8.4	7.2	7.2	7.2
371	27.6	21.6	19.2	15.6	14.4	13.2	10.8	9.6	9.6	8.4	8.4	7.2	7.2	7.2
377	24.0	21.6	16.8	16.8	14.4	13.2	10.8	9.6	9.6	8.4	8.4	7.2	7.2	6.0
406	22.8	16.8	16.8	14.4	13.2	9.6	9.6	9.6	8.4	8.4	7.2	7.2	6.0	6.0
426	19.2	18.0	15.6	14.4	10.8	10.8	9.6	8.4	8.4	7.2	6.0	6.0	6.0	6.0
457	19.2	14.4	14.4	12.0	10.8	9.6	8.4	8.4	8.4	7.2	6.0	6.0	4.8	4.8
479	18.0	15.6	13.2	12.0	10.8	9.6	8.4	8.4	7.2	6.0	6.0	6.0	4.8	4.8
490	19.2	14.4	12.0	10.8	10.8	9.6	8.4	7.2	7.2	7.2	6.0	6.0	4.8	4.8
508	15.6	14.4	12.0	10.8	9.6	8.4	8.4	7.2	7.2	6.0	6.0	4.8	4.8	4.8
533		13.2	12.0	10.8	8.4	8.4	7.2	7.2	6.0	6.0	6.0	4.8	4.8	4.8
558		12.0	10.8	9.6	8.4	7.2	7.2	7.2	6.0	4.8	4.8	4.8	4.8	3.6
612		9.6	8.4	8.4	7.2	6.0	6.0	6.0	4.8	4.8	4.8	4.8	3.6	3.6
630		9.6	8.4	8.4	7.2	6.0	6.0	6.0	4.8	4.8	3.6	3.6	3.6	3.6
665		8.4	7.2	6.0	6.0	4.8	4.8	4.8	3.6	3.6	3.6	3.6	2.4	2.4
714		8.4	7.2	7.2	6.0	6.0	4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4
762			7.2	6.0	4.8	4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4
813			7.2	4.8	4.8	4.8	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4
822			4.8	4.8	4.8	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4	2.4
914			4.8	4.8	3.6	2.4	2.4	2.4	2.4	2.4				
1016					2.4	2.4	2.4							

TABLE OF CONTENTS

Packing on 1100 x 1100 mm fumigated pallet (in accordance with ISPM No. 15:2009). PS as half sections are packed as loose PS on a pallet



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