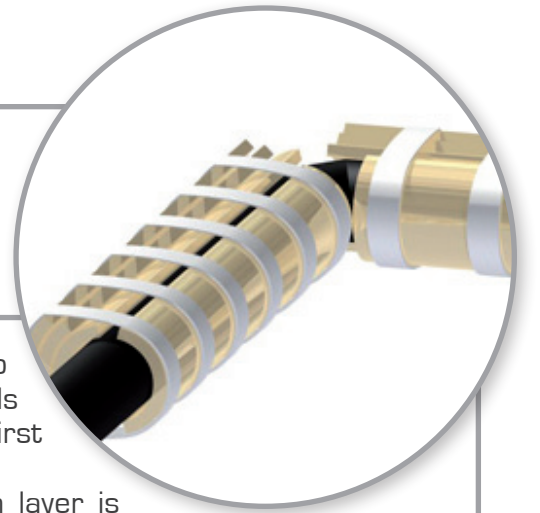


# Expansion pads

## Technical Data



Expansion pads are used for bends and branches in order to absorb expansion movements. Expansion pads and counter pads enable a free expansion of the buried network during the first installation.

The maximum expansion movement absorbed by one cushion layer is about 30 centimeters. We can use till 3 pad layers by slab.

Expansion pads are made of flexible PUR foam flakes. There is a 100 kg/m<sup>3</sup> density. Cushion's size depends on casing dimensions and is shown below.

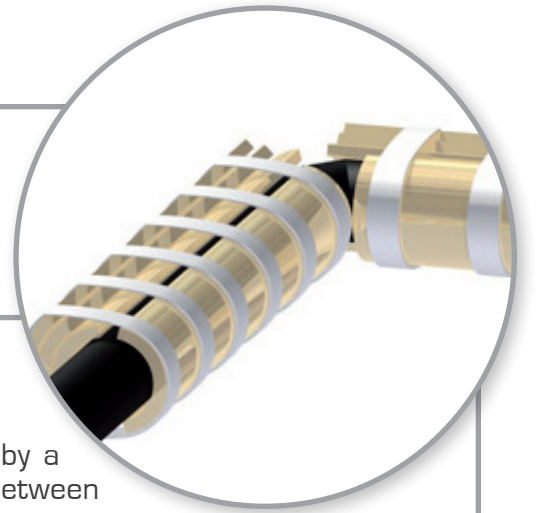
### Type of pads according to the casing:

Steel pipe	Casing	Expansion pads			
		ND	Length	Wall Thickness	Height
		mm	mm	mm	mm
20	90	1000	40	140	
25	90	1000	40	140	
32	110	1000	40	140	
40	110	1000	40	140	
50	125	1000	40	140	
65	140	1000	40	140	
80	160	1000	40	200	
100	180	1000	40	200	
100	200	1000	40	200	
125	200	1000	40	200	
125	225	1000	40	280	
150	250	1000	40	280	
200	315	1000	40	355	
250	355	1000	40	355	
300	400	1000	40	450	
300	450	1000	40	450	
350	450	1000	40	450	
350	500	1000	40	560	
400	500	1000	40	560	
450	560	1000	40	560	
500	630	1000	40	650	
600	710	1000	40	840	
600	800	1000	40	840	
700	800	1000	40	840	
800	900	1000	40	1065	
900	1000	1000	40	1065	
1000	1200	1000	40	1350	



# Expansion pads

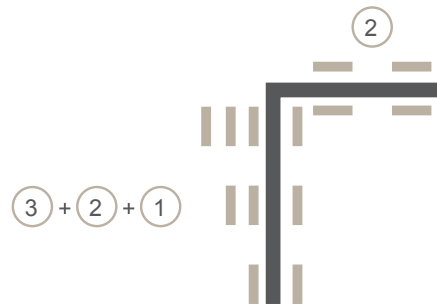
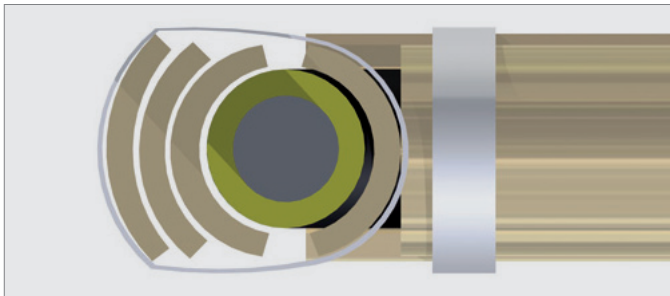
## Technical Data



### How to install them?

Cushions are positioned on the PEHD casing and maintained by a plastic film (provided) in order to avoid extra sand penetration between the casing and the counter pads.

On request, a strapping system of polyester straps may be proposed.



In order to guarantee a good efficiency, the plastic film (with a 10 centimeter width), will be set up at least in three points by cushion width. We recommend a minimum of two rounds.

### Number of pads according to expansion:

Arm - deflection	Expansion	Expansion	Expansion
L	$\Delta L < 30$ mm	$\Delta L 30 - 60$ mm	$\Delta L 60 - 90$ mm
M	Piece	Piece	Piece
1,0 - 1,4	1	1 + 1	
1,5 - 2,4	2	2 + 1	
2,5 - 3,4	3	3 + 2	3 + 2 + 1
3,5 - 4,4	4	4 + 3	4 + 3 + 2
4,5 - 5,4	5	5 + 4	5 + 4 + 2
5,5 - 6,4	6	6 + 4	6 + 5 + 4
6,5 - 7,4	7	7 + 5	7 + 6 + 4
7,5 - 8,4	8	8 + 6	8 + 7 + 5
8,5 - 9,4		9 + 6	9 + 7 + 5
9,5 - 10,4		10 + 7	10 + 8 + 6
10,5 - 11,4			11 + 9 + 7