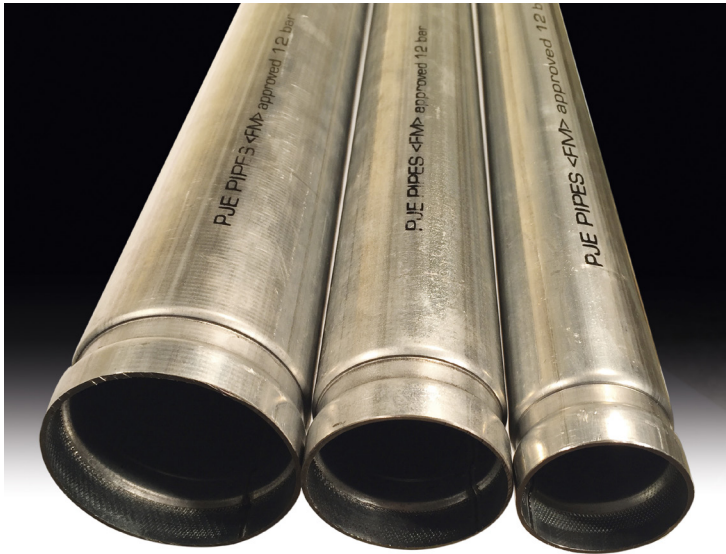




Pipe Joint Engineering A/S

# PRODUCT SHEET



## Product name:

PJE Pipes® – sch. 5 (dn 25 – dn 50)  
PJE Pipes® - Lightwall (dn 65 – dn 200)

## Application:

For use in Firesprinkler systems  
(FM approved for wet sprinkler)  
For use in cooling and heating pipe systems.

## Approvals:

FM Approved class 1630 (id 3047070)  
FG Godkendt  
Force Institute testet.

## Production standard:

Black pipes: EN 10217-1 P235TR1.  
Galvanised pipes: EN 10305-3 E235+CR1S4 Z450  
EDDY current tested acc. To EN 10246-3 E3H  
+ random physical pressure tested  
Mill Certificate 3.1

## Specifications:

Working pressure fire sprinkler 12 bar (175 psi)  
Working pressure HVAC 21 bar (300 psi)

## Korrosions protection:

Galvanised pipes protectet by galvanising Z450 (32 micron) inside / outside

## Pipe specifications:

DN	Ø	Godstykkele	Maks. Drift tryk - bar		Vægt pr. rør	Pakning stk.	Wall tolerance	
			Sprinker	HVAC			Max.	Min.
25	33,7	1,60	12	21	1,08 / 6,50	29	1,75	1,45
32	42,4	1,60	12	21	1,42 / 8,50	29	1,75	1,45
40	48,3	1,60	12	21	1,67 / 10,00	29	1,75	1,45
50	60,3	1,60	12	21	2,30 / 13,80	24	1,75	1,45
65	76,1	1,80	12	21	3,50 / 21,00	19	1,95	1,65
80	88,9	2,00	12	21	4,33 / 26,00	13	2,16	1,86
100	114,3	2,34	12	21	6,50 / 39,00	10	2,49	2,19
125	139,7	2,66	12	21	9,67 / 58,00	7	2,81	2,51
150	168,3	2,98	12	21	11,33 / 71,00	4	3,19	2,79
200	219,1	3,60	12	21	20,50 / 123,00	4	3,80	3,40
250	273,0	4,00	12	21	25,8/154,00	3		
300	323,9	4,00	12	21	31,2/187,00	3		



Pipe Joint Engineering A/S

# PRODUCT SHEET

## Labelling:

Productname: PJE pipes sch 5/lightwall  
 Pressure rating: 12 bar  
 Production number: xxxxxx (tracking popose)  
 FM approval mark: (FM)

## Mounting Instructions:

Pipe hanger distance, on horizontal pipes. All pipes over 1,8 m, must be supportet by at least one pipe hanger. For all pipes over 2,0 m must be supportet by at least 2 pipe hangers.

Max. pipe hanger distance	
Dn 25 to dn 50	2,0 m.
Dn 65 to dn 200	3,0 m
Maximum distance from pipe hanger to pipe assembly/coupling is 1,0 m	

## Groove specification:

Nominal	Size	Pipe O.D.	A1	B1	C1	C		T1	T2	F
						BASIC SIZE MM	TOLERANCE MM			
1"	25	33.7	15.9	7.2	1.7	30.2	- 0.34	1.60	1.44	34.5
1 1/4"	32	42.4	15.9	7.2	1.7	39.0	- 0.38	1.60	1.44	43.3
1 1/2"	40	48.3	15.9	7.2	1.7	45.1	- 0.38	1.60	1.44	49.4
2"	50	60.3	15.9	8.8	1.6	57.2	- 0.38	1.60	1.44	62.2
2 1/2"	65	76.1	15.9	8.8	1.9	72.3	- 0.46	1.80	1.64	77.7
3"	80	88.9	15.9	8.8	2.0	84.9	- 0.46	2.00	1.86	90.6
4"	100	114.3	15.9	8.8	2.1	110.1	- 0.51	2.34	2.19	116.2
5"	125	139.7	15.9	8.8	2.1	135.5	- 0.51	2.66	2.51	141.7
6"	150	168.3	15.9	8.8	2.2	164.0	- 0.56	2.96	2.79	170.7
8"	200	219.1	19.1	11.9	2.4	214.4	- 0.64	3.60	3.40	221.5

**A1** +/- 0.76

**B1** +/- 0.76

### Packing seat

**C** Groove diameter  
**C1** Groove depth

### Groove width

**F** Maximal Flare (Trumpet)  
**T1** Wall thickness + max. 10%  
**T2** Minimum wall thickness

