

Flow rates for roof drains

Testing for roof drains pursuant to SFS-EN 1253-2

The maximum gravity-induced flow rates for roof drains were tested in accordance with section 5.5.2 of standard SFS-EN 1253-2. Test facility Eurofins Expert Services Oy Espoo, 3 Feb 2021 and 10 Jul 2023.

Roof drains with collection basin, flow in l/s

Drain model	Pipe diameter	Without grate	With grate
Roof drain A	Ø 50	5.5	
	Ø 75	6.3	6.3
	Ø 110	6.5	6.5
	Ø 160	>8.2	>8.2
Roof drain B	Ø 50	5.5	5.2
	Ø 75	6.3	6.2
Inverted roof drain KK	Ø 50	5.5	
	Ø 75	6.3	
	Ø 75 side outlet	4.8	
	Ø 110	6.5	
	Ø 160	>8.2	
Balcony drain PK	Ø 50	2.5	2.1
	Ø 50 side outlet	4.1	3.1
	Ø 75	3.3	3.2

Roof drain C with flat flange	l/s
Ø 50 mm	1.9
Ø 75 mm	2.5
Ø 110 mm	5.8
Ø 160 mm	>8.2

Minimum flow defined in standard	l/s
Ø 50 mm	0.9
Ø 75 mm	1.7
Ø 110 mm	4.5
Ø 160 mm	8.1