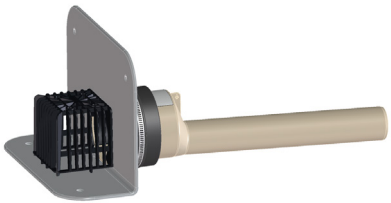
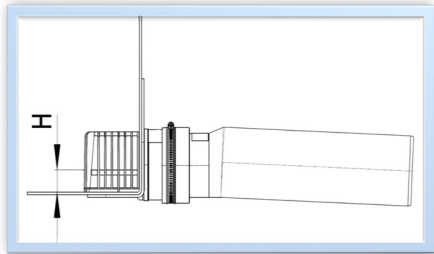


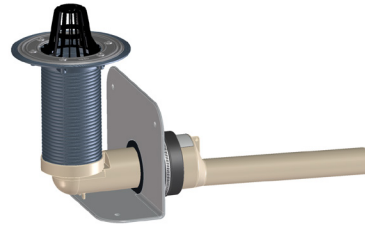
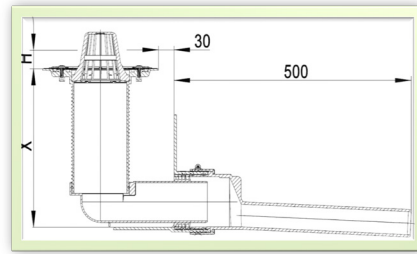
# Water flow capacities HL attica drains in combination with different extensions. Acc. EN1253-2 : 2015; 5.5.3.1

Pic. 1



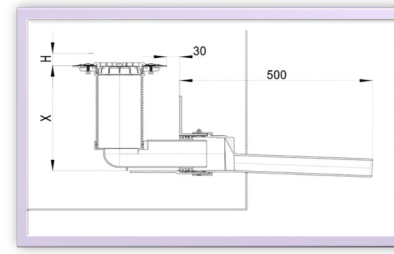
**Pic. 1**  
Attica drain HL68H.0/DN, HL68P.0/DN, HL68F.0/DN with leaf catcher HL068.1E or leaf catcher for emergency drainage HL068.1Safe

Pic. 2



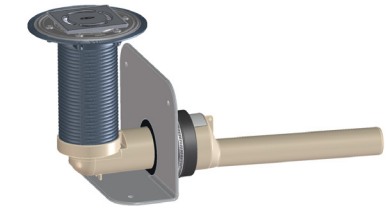
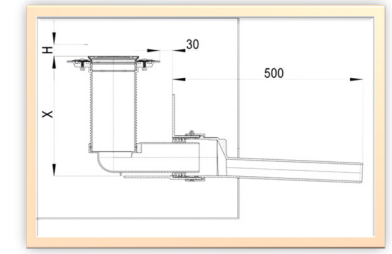
**Pic. 2**  
Attica drain HL68H.0/DN, HL68P.0/DN, HL68F.0/DN with HL164, extension with flange HL85N(H) and leaf catcher HL080.8E

Pic. 3



**Pic. 3**  
Attica drain HL68H.0/DN, HL68P.0/DN, HL68F.0/DN with HL164, extension with flange HL85N(H) and leaf catcher HL181

Pic. 4



**Pic. 4**  
Attica drain HL68H.0/DN, HL68P.0/DN, HL68F.0/DN with HL164, extension with flange HL85N(H) and extension for steel grate

H = Water level above the flange      X = Height of the thermal insulation for a warm roof construction

Tablett DN 50			Hydraulic l/s from flange											
			5 mm	15 mm	25 mm	35 mm	45 mm	55 mm	65 mm	70mm	75mm	80 mm	90 mm	100 mm
Pic.1	with leaf catcher, measured above flange		/	/	0,22	0,48	0,74	1,07	1,46	1,61	1,72	1,81	1,96	2
	with emergency leaf catcher, measured min. 35mm higher than flange		/	0,33	0,57	0,89	1,06	1,14	1,22	1,28	1,31	1,35	1,44	1,52
Pic.2	X = 110 mm	with 110mm thermal insulation				1,78					2			2,3
	X = 150 mm	with 150mm thermal insulation				2,13					2			2,3
	X = 200 mm	with 200mm thermal insulation				2,25					2,48			2,58
Pic.3	X = 110 mm	with 110mm thermal insulation				1,8					2,08			2,18
	X = 150 mm	with 150mm thermal insulation				1,96					2,08			2,18
	X = 200 mm	with 200mm thermal insulation				2,16					2,43			2,52
Pic.4	X = 110 mm	with 110mm thermal insulation				1,31					1,76			1,89
	X = 150 mm	with 150mm thermal insulation				1,39					1,76			1,89
	X = 200 mm	with 200mm thermal insulation				1,44					2,2			2,26

H = Water level above the flange      X = Height of the thermal insulation for a warm roof construction

Tablett mit Anschlussrohr DN 75		Hydraulic l/s from flange											
		5 mm	15 mm	25 mm	35 mm	45 mm	55 mm	65 mm	70mm	75mm	80 mm	90 mm	100 mm
		l/s	l/s	l/s	l/s	l/s	l/s	l/s	l/s	l/s	l/s	l/s	l/s
Pic.1	with leaf catcher, measured above flange	/	/	0,34	0,61	0,88	1,16	1,61	1,78	2	2,31	2,81	3,12
	with emergency leaf catcher, measured min. 35mm higher than flange	/	0,33	0,57	0,88	1,2	1,38	1,46	1,61	1,72	1,81	1,93	2,1
Pic.2	X = 110 mm with 110mm thermal insulation				2,43					2,43			3,11
	X = 150 mm with 150mm thermal insulation				2,66					2,66			3,11
	X = 200 mm with 200mm thermal insulation				3,13					3,13			3,67
Pic.3	X = 110 mm with 110mm thermal insulation				2,32					2,32			3,02
	X = 150 mm with 150mm thermal insulation				2,61					2,61			3,02
	X = 200 mm with 200mm thermal insulation				2,96					2,96			3,47
Pic.4	X = 110 mm with 110mm thermal insulation				1,41					1,41			2,26
	X = 150 mm with 150mm thermal insulation				1,77					1,77			2,26
	X = 200 mm with 200mm thermal insulation				2,39					2,39			2,84

H = Water level above the flange      X = Height of the thermal insulation for a warm roof construction

Tablett mit Anschlussrohr DN 110		Hydraulic l/s from flange											
		5 mm	15 mm	25 mm	35 mm	45 mm	55 mm	65 mm	70mm	75mm	80 mm	90 mm	100 mm
		l/s	l/s	l/s	l/s	l/s	l/s	l/s	l/s	l/s	l/s	l/s	l/s
Pic.1	with leaf catcher, measured above flange	/	0,22	0,42	0,71	1,05	1,38	1,8	1,98	2,2	2,48	2,9	3,28
	with emergency leaf catcher, measured min. 35mm higher than flange	/	0,32	0,55	0,83	1,1	1,30	1,48	1,59	1,65	1,76	1,92	2,03
Pic.2	X = 110 mm with 110mm thermal insulation				2,4					2,72			3,03
	X = 150 mm with 150mm thermal insulation				2,72					2,72			3,03
	X = 200 mm with 200mm thermal insulation				3,11					3,55			3,66
Pic.3	X = 110 mm with 110mm thermal insulation				2,3					2,7			2,96
	X = 150 mm with 150mm thermal insulation				2,65					2,65			2,96
	X = 200 mm with 200mm thermal insulation				2,96					3,4			3,53
Pic.4	X = 110 mm with 110mm thermal insulation				1,41					2,02			2,23
	X = 150 mm with 150mm thermal insulation				1,56					1,56			2,23
	X = 200 mm with 200mm thermal insulation				2,39					2,7			2,82