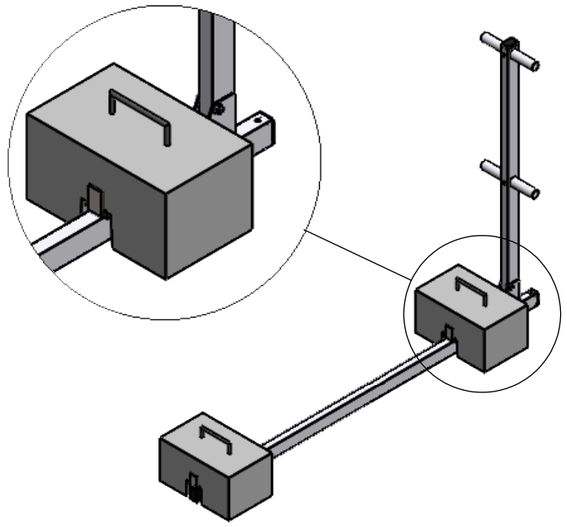
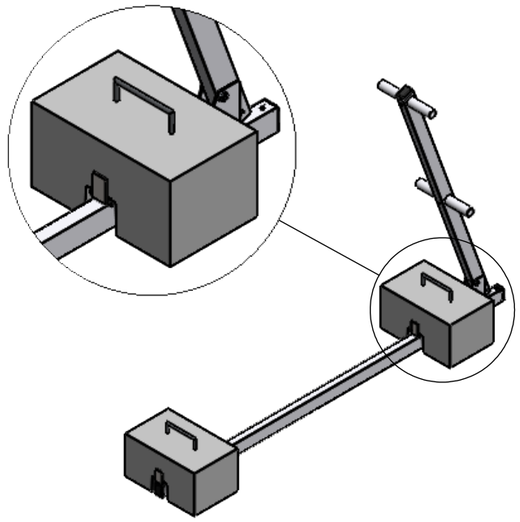
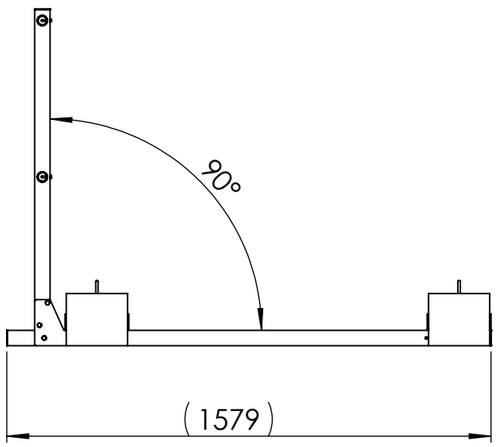
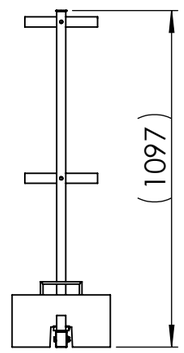
90 Degree Configuration

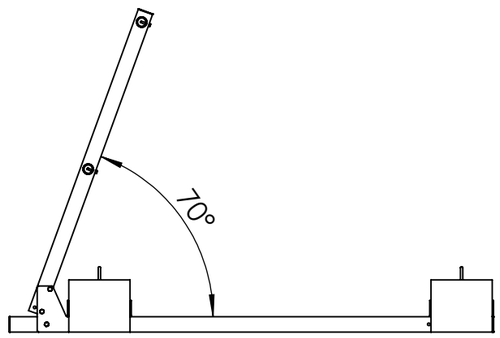


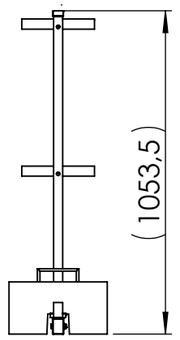
70 Degree Configuration

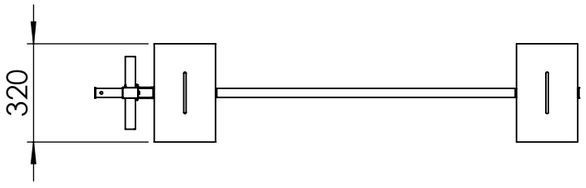










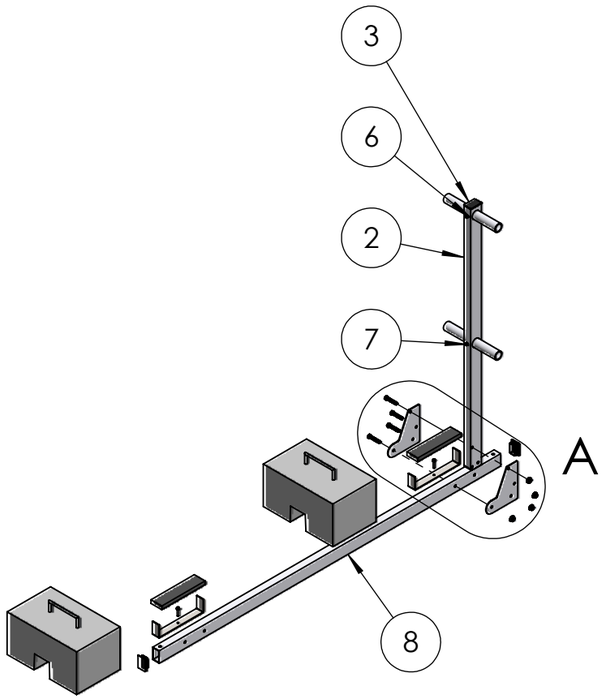


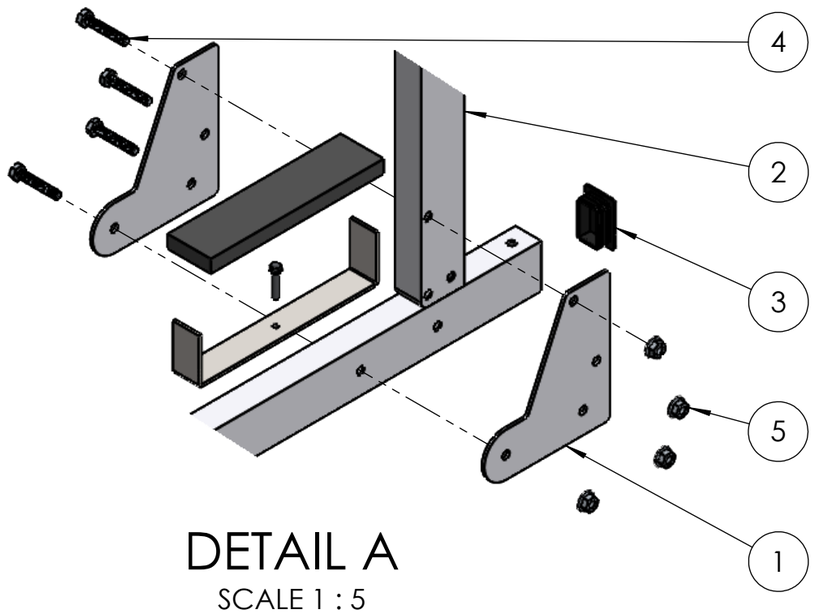
Ballast is configurable and Conform Eurocode 1991-1-4
***N.B. Some countries have extended regulations in regard to compliance**

PROTECTOR GUARDRAIL
Designed to protect, built to last

	Date	Name	Amount	1
Drawn	26-5-2026	O.Toor	Mass [g]	51424.81
Checked			General tolerance	DIN ISO 2768-c
Configuration name: Linear Stanchion			Shape / Pos. tol.	NEN ISO 1101
			Roughness	NEN ISO 1302

Scale: 1:20	Projection	Description:	Drawing number:	Rev: 0	Format:
Units: mm		PG-1500L	25.218-009-900_05	Sheet 1 of 3	A3

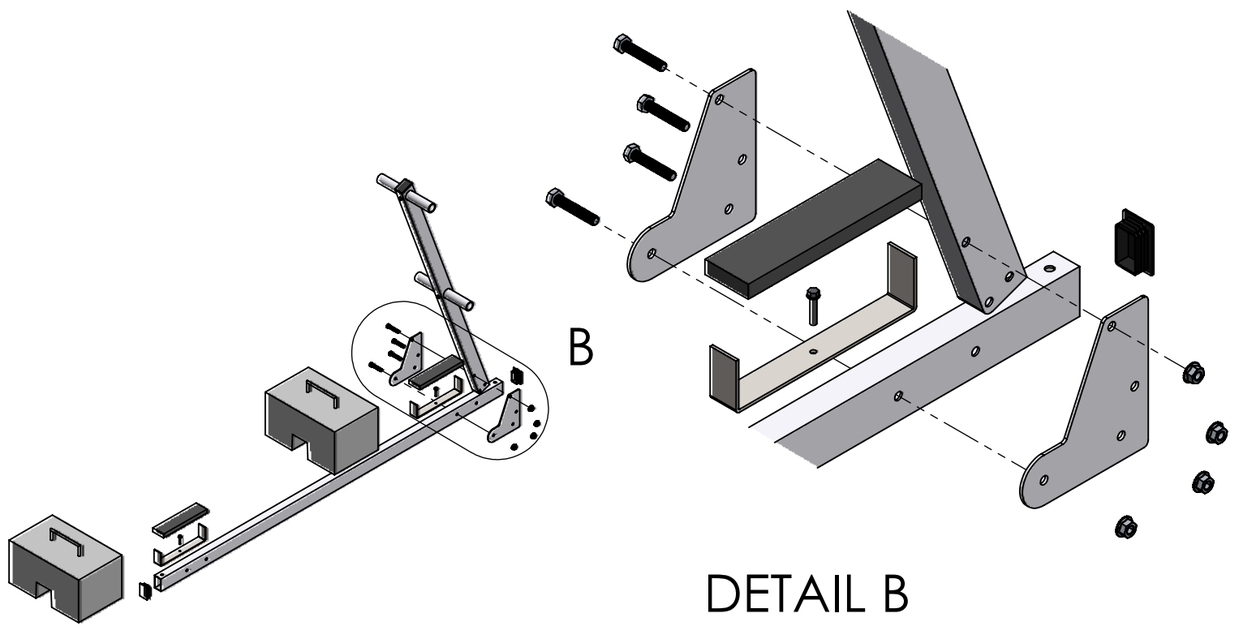




DETAIL A

SCALE 1 : 5

DETAIL A SHOWS BOLT POSITIONS FOR 90° CONFIGURATION



DETAIL B

SCALE 1 : 5

DETAIL B SHOWS BOLT POSITIONS FOR 70° CONFIGURATION

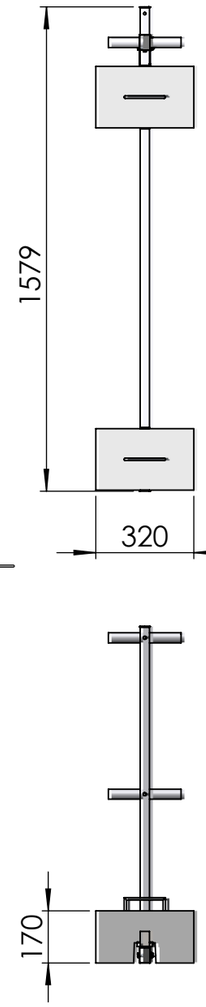
Ballast is configurable and Conform Eurocode 1991-1-4
***N.B. Some countries have extended regulations in regard to compliance**

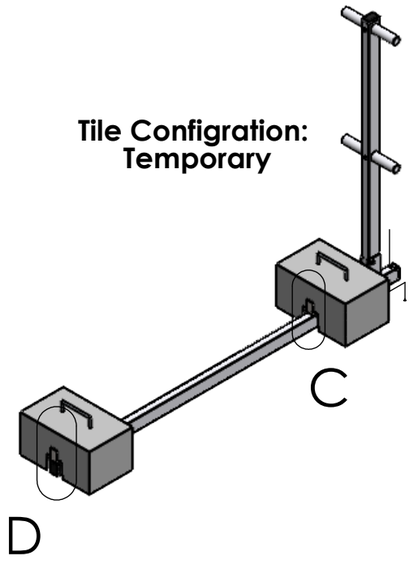
ITEM	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	D228.SCP.150.150.25	Corner Connector	6060-T6	2
2	D228.VBB.1045	Opright box section T2	6060-T6	1
3	D228.C50.30	Insertion cap 50×30	ABS	3
4	DIN 933.M8x45	Hex bolt M8x45	Stainless Steel, 304	4
5	DIN 6923.M8	Flanged Hex Nut M8	Stainless Steel, 304	4
6	D228.CT.33x3x190(237)	Coupling Sleeve	6060-T6	2
7	D228.SDS.5.5x31	Long self-drilling screw - SX 5.5x31	Stainless Steel, 304	4
8	D228.HBB.XB.1579(1575)	Box beam T2 1500	6060-T6	1
9		Betonblok	Concrete	2
10		handvat		2
11		Beugel	1.0114 (S235J0)	2
12		Tegeldrager 200x50x15	Rubber	2

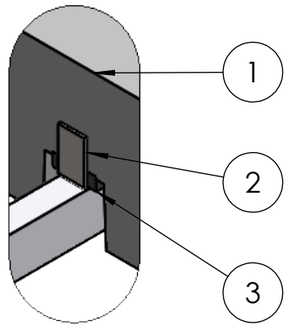
PROTECTOR GUARDRAIL
Designed to protect, built to last

	Date	Name		
Drawn	26-5-2026	O.Toor	Amount	1
Checked			Mass [g]	51424.81
			General tolerance	DIN ISO 2768-c
Configuration name: Linear Stanchion			Shape / Pos. tol.	NEN ISO 1101
			Roughness	NEN ISO 1302

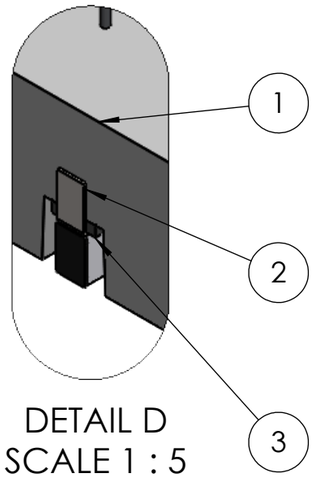
Scale: 1:20	Projection	Description:	Drawing number:	Rev: 0	Format:
Units: mm		PG-1500L	25.218-009-900_05	Sheet 2 of 3	A3







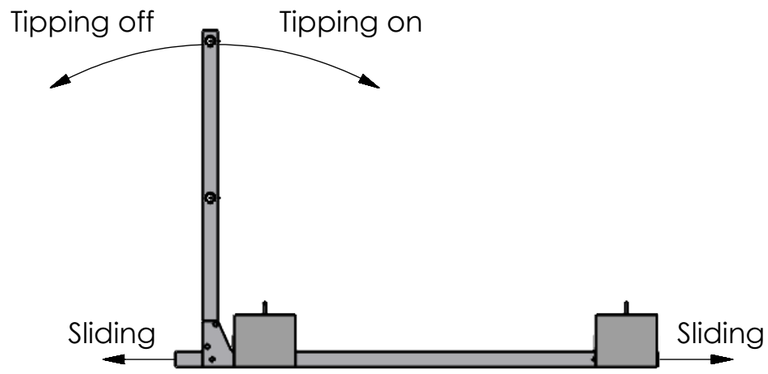
DETAIL C
SCALE 1 : 5



DETAIL D
SCALE 1 : 5

Declaration of Performance - on/off - sliding					
Stanchion type	Counterweight system	Stanchion distance	Max q_onroof_safe (N/m2)	Max q_offroof_safe (N/m2)	Max q_sliding_safe (N/m2)
1500L	Temporary	3m	709	802	697
1500L	Temporary	4m	587	633	569

Declaration of Performance - Applied local load					
Stanchion type	Counterweight system	Stanchion distance	Applied local load per stanchion (kN)	Applied average distributed load (kN/m)	Applied Pressure on surface (N/cm2)
1500L	Temporary	3m	0,54	0,18	0,61
1500L	Temporary	4m	0,54	0,14	0,61



<u>Declaration of Performance (tipping on/off roof & sliding)</u>
The DOP calculation demonstrates that the stanchion provides safe resistance against tipping on the roof and off the roof,
with a maximum allowable on-roof load of q_onroof_safe = X N/m2, an off-roof load of q_offroof_safe = Y N/m2,
and a maximum sliding resistance of q_sliding_safe = Z N/m2 for the selected configuration.
Minor variations occur between the 90°, 70° and 0° stanchion orientations; however,
the lowest (most limiting) performance values have been used to ensure a robust safety margin.
Loads specified are design values of the loads. A safety factor γM= 1,5 is included in absence of national regulations.

<u>Declaration of Performance (local load)</u>
The DOP local load assessment confirms that the stanchion applies the following loads onto the roof:
applied point load of A kN, an average distributed load of B kN/m and a surface pressure of C N/cm².
Differences between the 90°, 70° and 0° stanchion positions are negligible,
and the lowest (most limiting) performance value has been selected to guarantee a robust safety margin.
Loads specified are characteristic loads. γM= 1,3 applies in absence of national regulations.

ITEM	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1		Ballast blok compleet	Concrete	2
2		Beugel	1.0114 (S235J0)	2
3		Tegeldrager 200x50x15	Rubber	2

PROTECTOR GUARDRAIL
Designed to protect, built to last

	Date	Name		
Drawn	26-5-2026	O.Toor	Amount	1
Checked			Mass [g]	51424.81
			General tolerance	DIN ISO 2768-c
Configuration name: Linear Stanchion			Shape / Pos. tol.	NEN ISO 1101
			Roughness	NEN ISO 1302

Scale: 1:20	Projection	Description:	Drawing number:	Rev: 0	Format:
Units: mm		PG-1500L	25.218-009-900_05	Sheet 3 of 3	A3