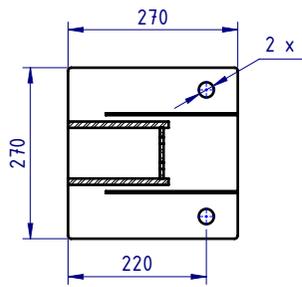
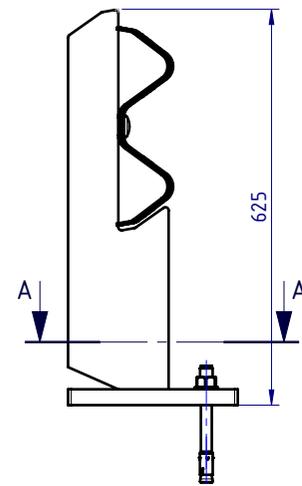


Crash Test Performance				
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
2000 kg	30 km/h	0.5 m	67.2 kJ	4 m w-beam supported by six (6) posts at 0.8 m centres positioned on the outside edge of a 150 mm thick elevated concrete slab.
2000 kg	20 km/h	0.5 m	29.6 kJ	6 m w-beam supported by four (4) posts at 2.0 m centres positioned on the outside edge of a 150 mm thick elevated concrete slab.

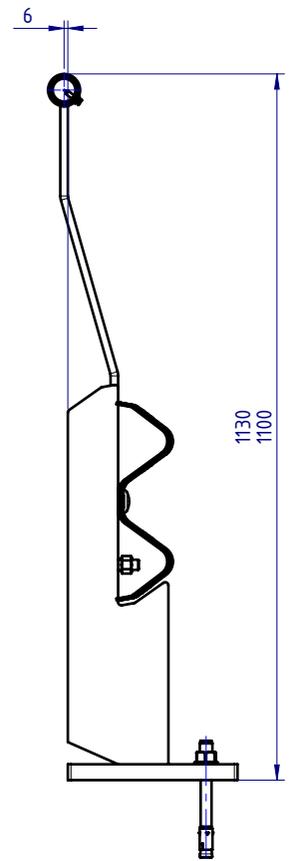
Installation Requirements				
Anchor Type	Drill Depth	Torque	Anchors per Post	Minimum Concrete Slab Thickness (t)
M20 Fischer FBN II	115 mm	200 Nm	2 off	150 mm



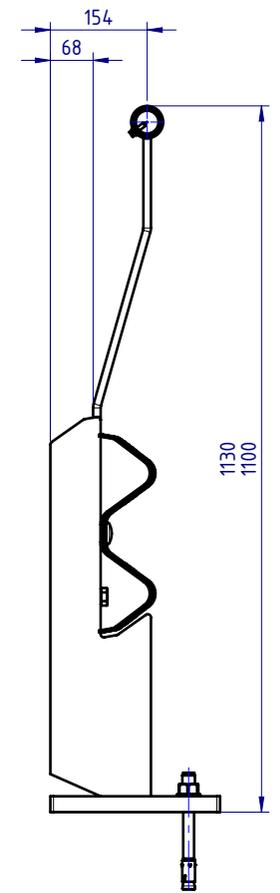
SECTION A-A
BASE PLATE DETAIL
TYPICAL
ANCHOR BOLT HIDDEN FOR CLARITY



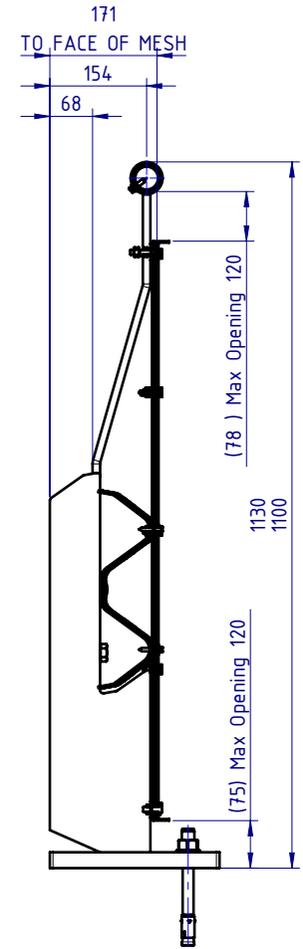
Rhino-Stop® Heavy Duty Type 1
GuardRail



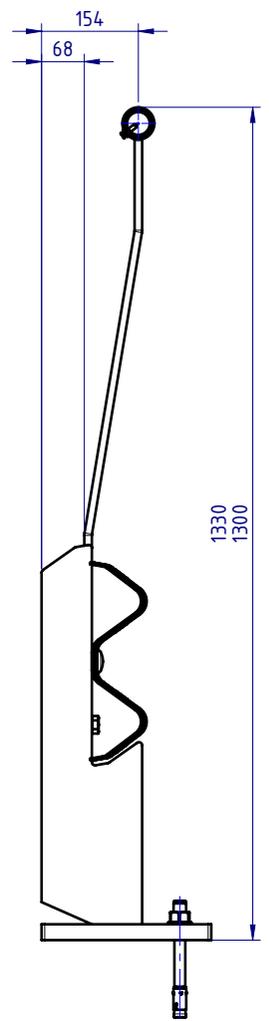
Rhino-Stop® Heavy Duty Type 2
GuardRail & Offside Sight Rail



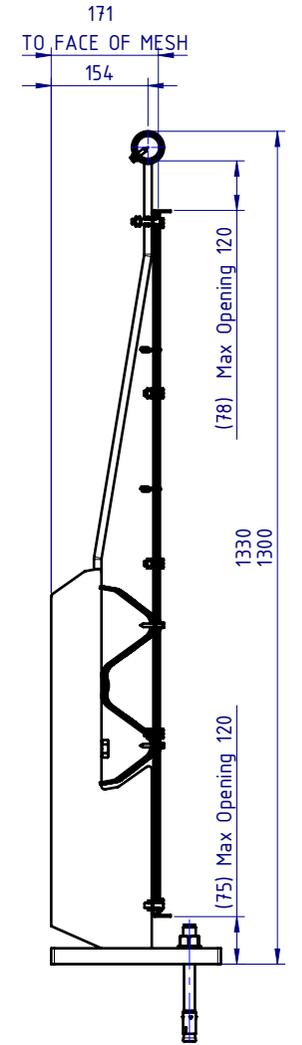
Rhino-Stop® Heavy Duty Type 3
GuardRail & Sight Rail



Rhino-Stop® Heavy Duty Type 4
GuardRail, Balustrade, Anti-Climb Mesh
& Sight Rail



Rhino-Stop® Heavy Duty Type 5
GuardRail & Sight Rail



Rhino-Stop® Heavy Duty Type 6
GuardRail, Balustrade, Anti-Climb Mesh
& Sight Rail

REVISIONS				
REV.	ZONE	DESCRIPTION	DATE	APP'VD
A		Original Issue, supersedes GR-WB-076	20/07/2022	HW
B		Rhino-Stop Heavy Duty Post, revision updated	27/06/2025	HW
C		Performance & Installation Req. tables added	24/02/2026	HW

MATERIAL:		
FINISH:		
STATUS	NAME	DATE
DRAWN	W. Refahi	20/07/2022
CHK'D	T. Colquhoun	11/09/2025
APP'VD	H. Wallace	11/09/2025

SafeDirection
CRASH BARRIER SOLUTIONS

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U.N.O. TOLERANCES: ±1mm
ALL DIMENSIONS ARE IN: mm

APPROVED

TITLE: Carpark Barriers - Rhino-Stop® Heavy Duty Rhino-Stop® Heavy Duty Assembly Types GuardRail General Arrangement			
DWG NO.	REVISION:	SHEET SIZE	
SD-CP-05000	C	A4	
WEIGHT: 909.5kg	SCALE: 1:12	SHEET 1 of 1	