



Performance in motion

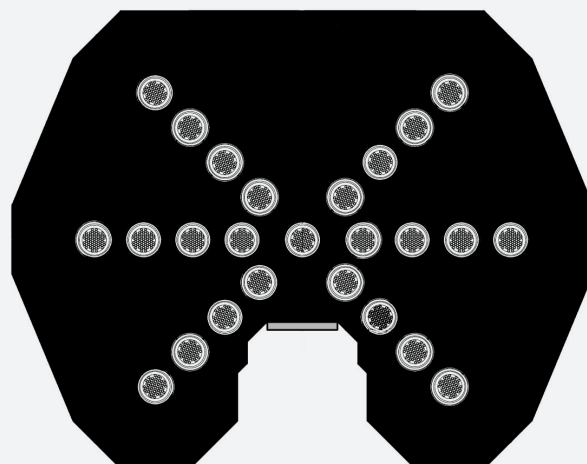


Position Light Junction Indicator

Mark 1 and Mark 2 Variants



The Unipart Dorman Position Light Junction Indicator (PLJI) consists of up to 6 arms each containing 4 LED Junction Indicator Modules (JIM).



Arranged around a central 'Pivot' JIM which tells the driver that the train is being signalled to the left or right of the straight route ahead.

Performance Characteristics

Product Approval Certificate	PA05/01755
Nominal Operating Voltage	110 Vac or 120 Vdc
Operating Voltage Range AC	88-121 V
Operating Voltage Range DC	88-145 V
Nominal Operating Current (per module)	250 mA at 110Vac
Nominal Operating Current (per arm)	1250 mA at 110Vac
Electrical Connector Type	Free Wired to 2BA Terminal Bar
Ingress Protection Rating	IP 65 (Module), IP 54 (Housing)
Operating Temperature Range	-25°C to +40°C
Readability	800m
Viewable Angle	+/- 6°
Product Weight	As shown on each dimensioned illustration below Module only 1.6Kg
For product instructions and dimensioned drawings please visit:	www.unipartdorman.co.uk

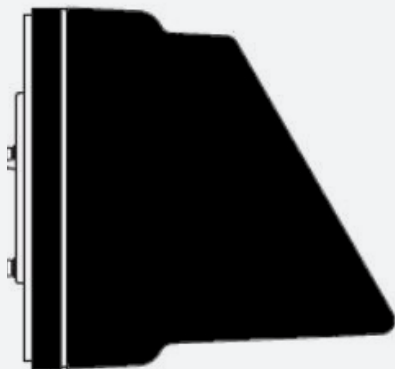
Product Configuration

Working closely with Network Rail on a small number of indicators which were suffering from reflection issues caused by vehicle windscreens and low sunlight, a new Mark 2 version was introduced in 2023.

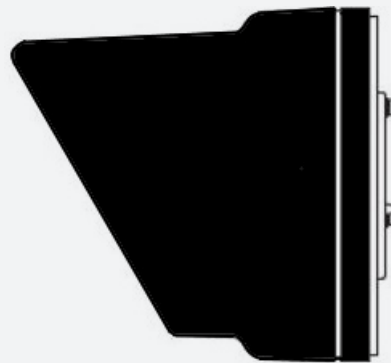
Mk2 modules have new internal lensing which capitalises on high performance LEDs and have been re-orientated so the outer screen now faces down.

The visor has been modified to incorporate an internal louvre and following extensive testing all of these changes have significantly reduced the reflection problems.

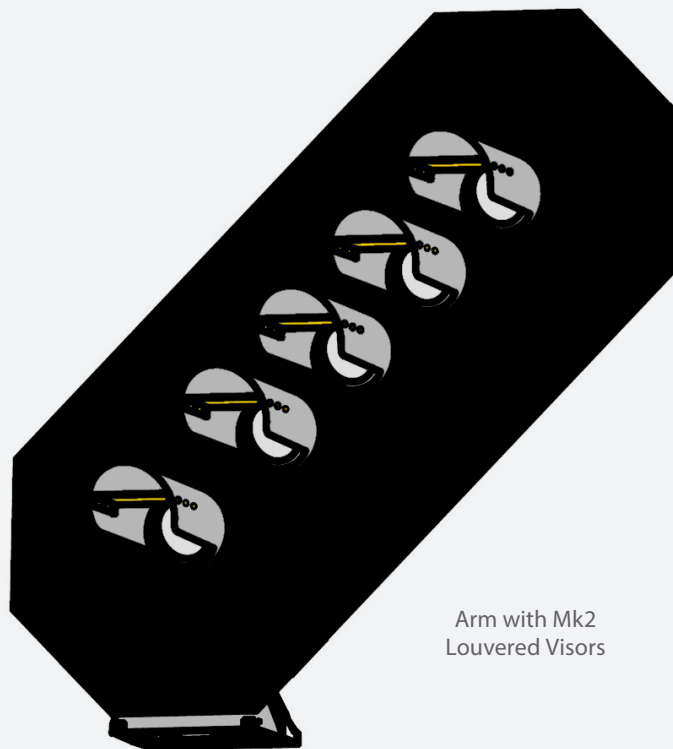
Please note that the Network Rail Product Acceptance Certificate specifically precludes mixing Mk1 and Mk2 arms, modules and visors on the same indicator. All indicators manufactured after 1 Nov 2023 will be to the Mk2 standard. Mk1 products will continue to be available as maintenance spares.



Mk1 Module

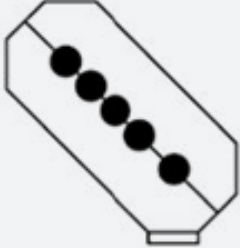
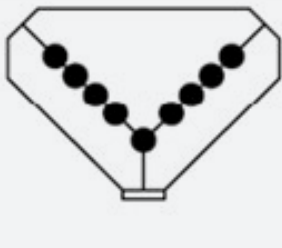
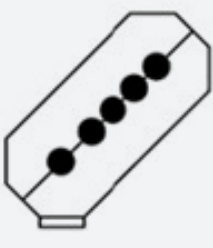
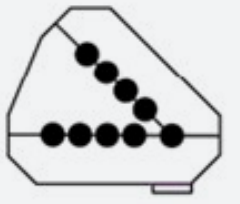
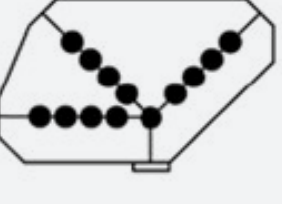
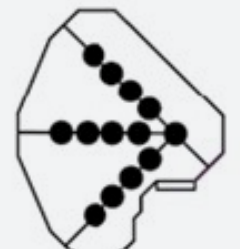
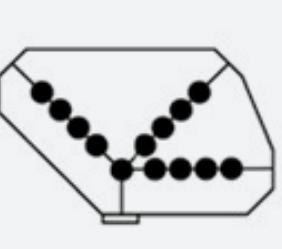
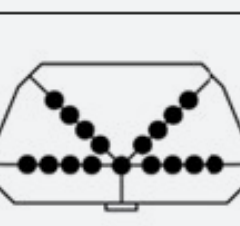
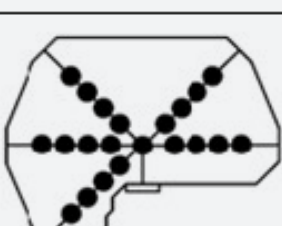
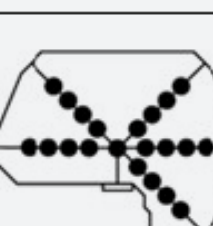
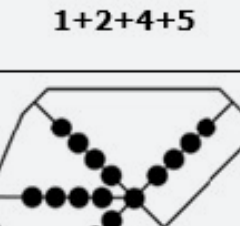
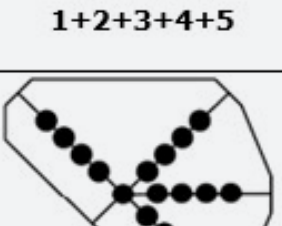
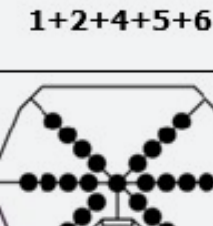


Mk2 Module



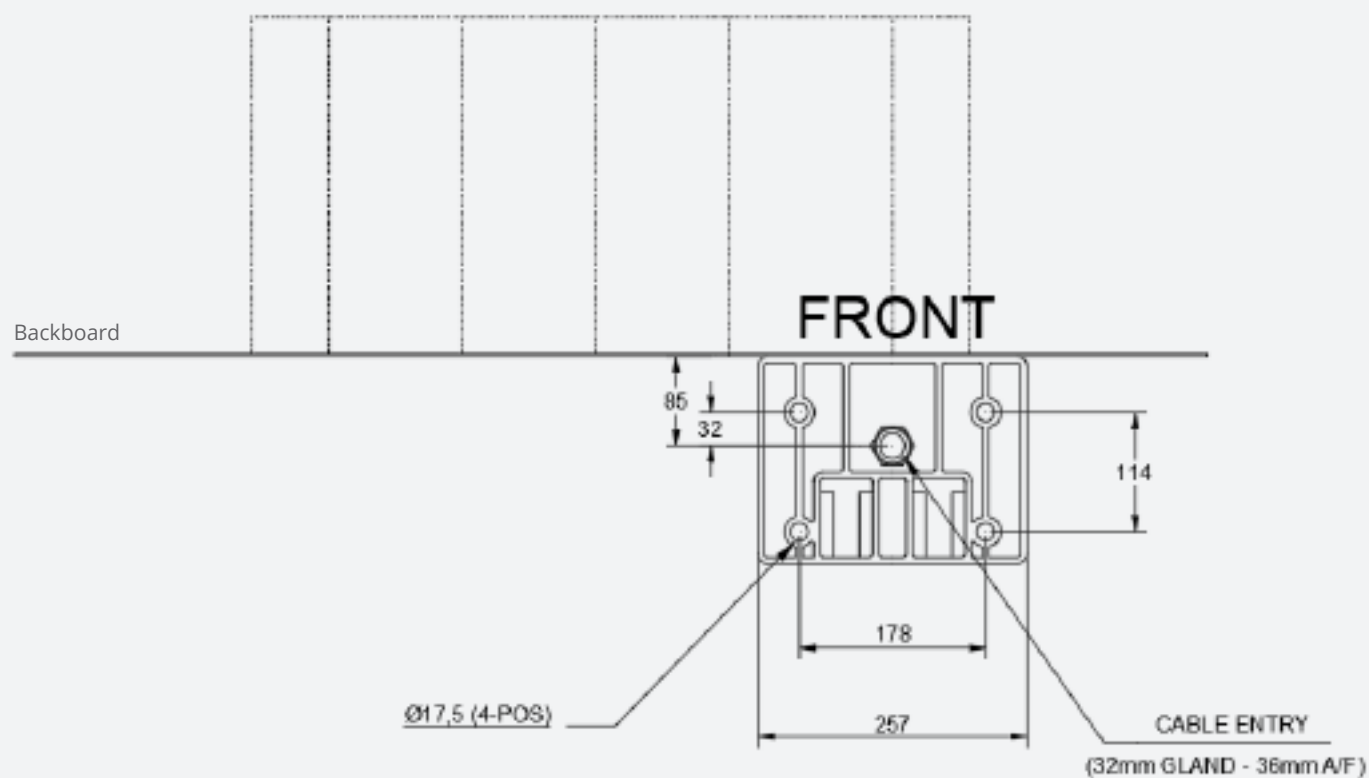
Arm with Mk2
Louvered Visors

Product Configuration

		
Position 1	Positions 1+ 4	Position 4
		
Positions 1+2	Positions 1+2+4	Positions 4+5
		
Positions 1+2+3	Positions 1+4+5	Positions 4+5+6
		
Positions 1+2+4+5	Positions 1+2+3+4+5	Positions 1+2+4+5+6
		
Positions 1+2+3+4	Positions 1+4+5+6	Positions 1+2+3+4+5+6

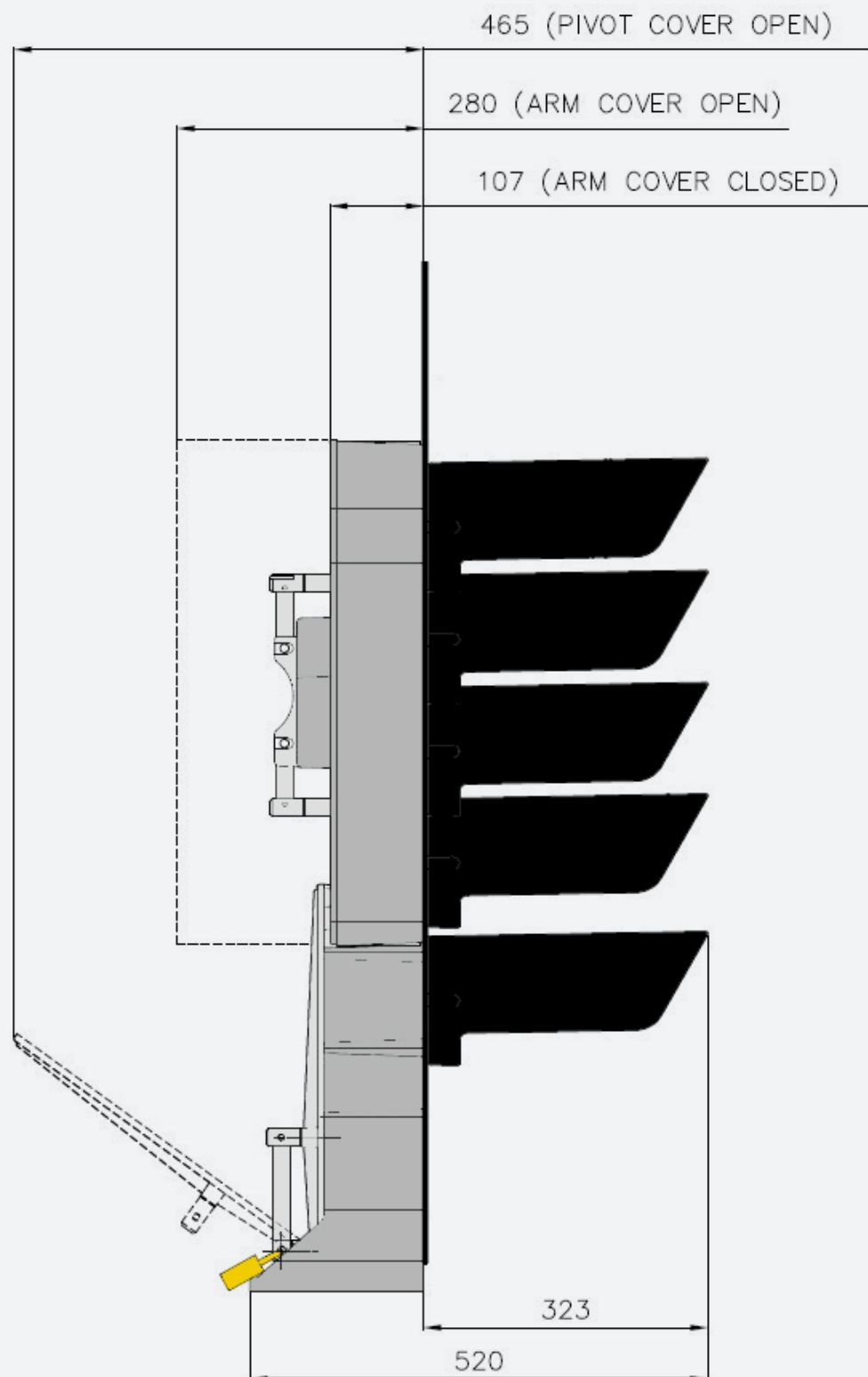
Product Configuration

(Pivot Footprint - common to all variants)

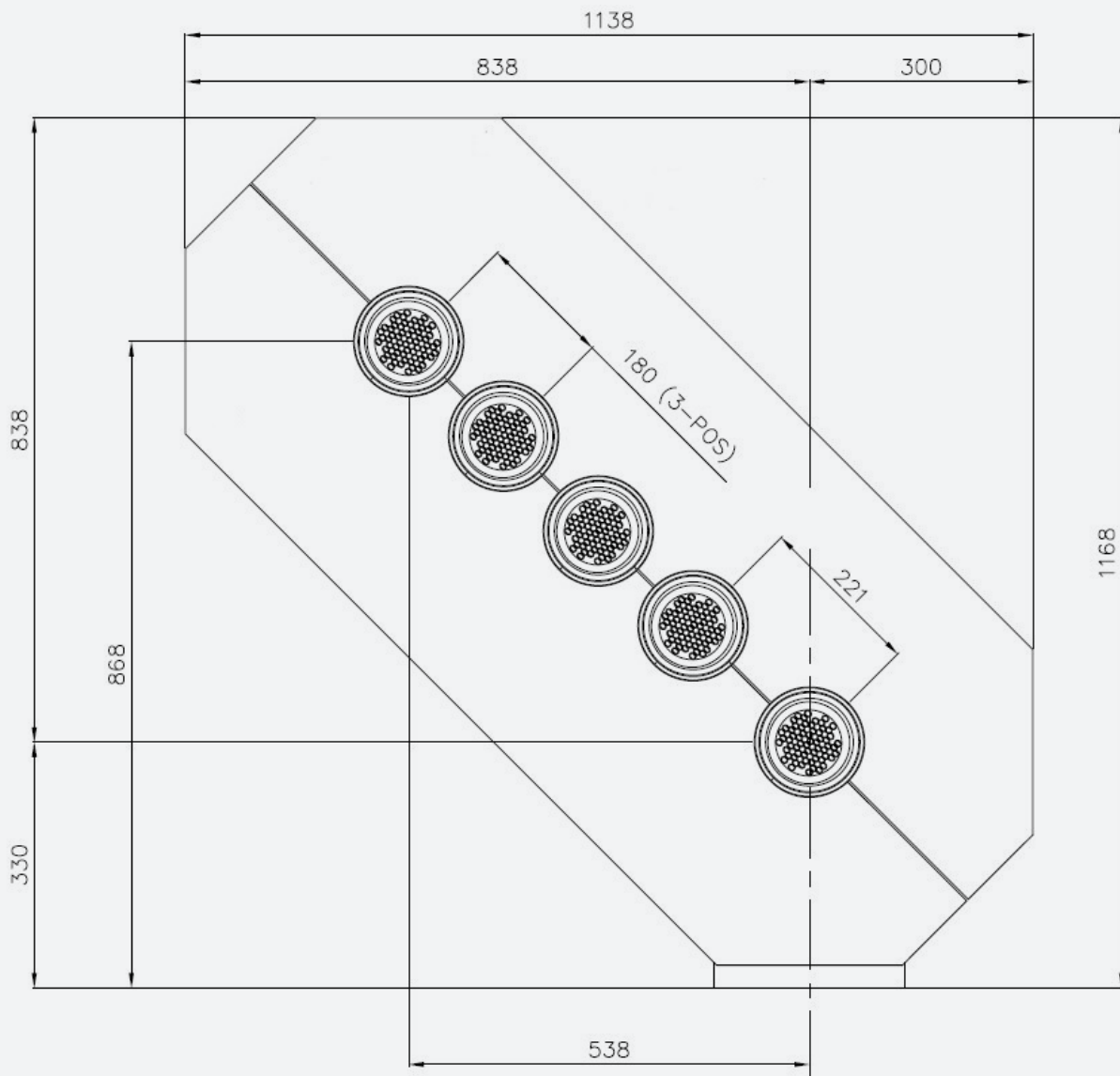


Product Configuration

(Common to all variants)

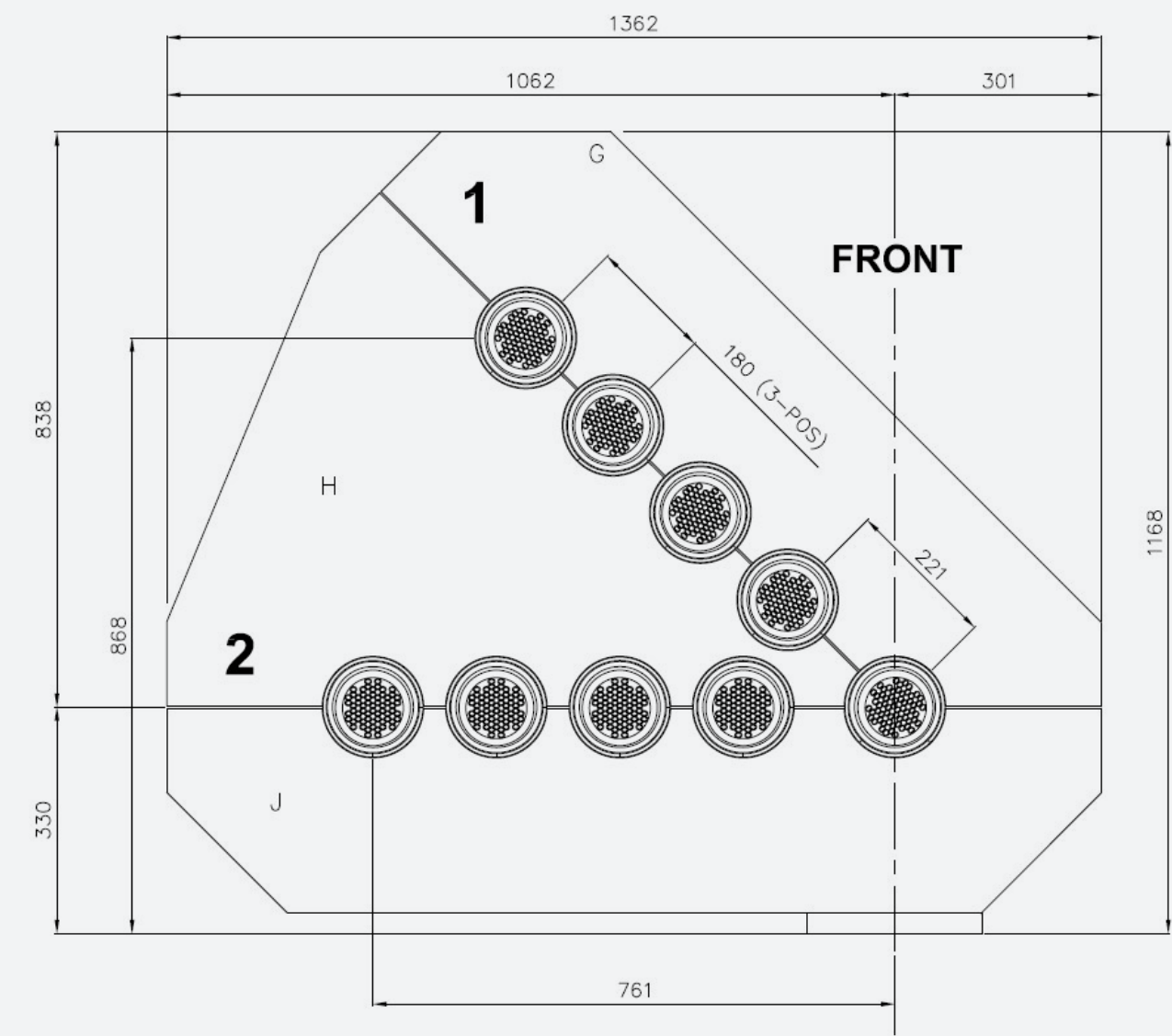


Product Configuration



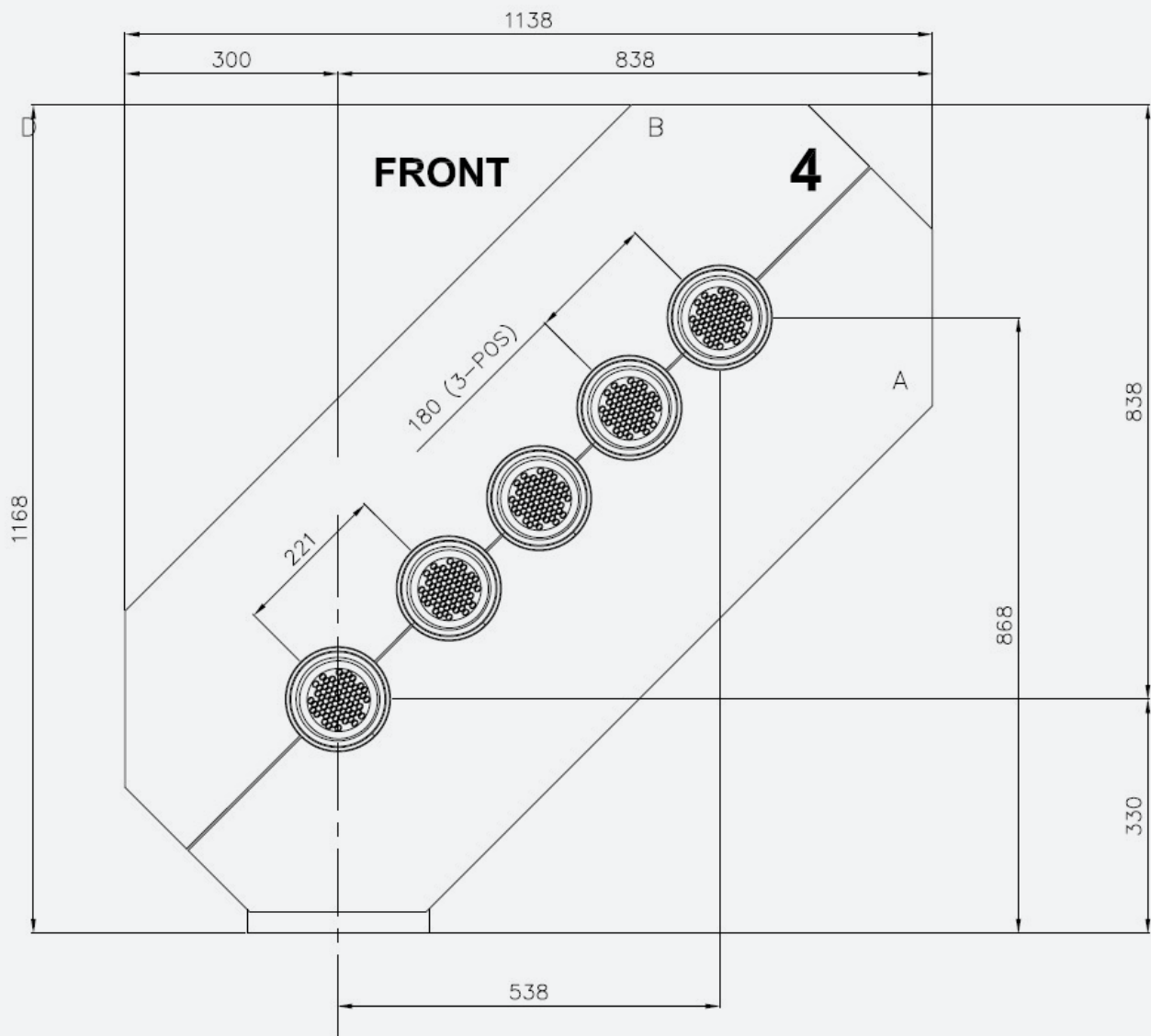
Indicator Weight – 43Kg

Product Configuration



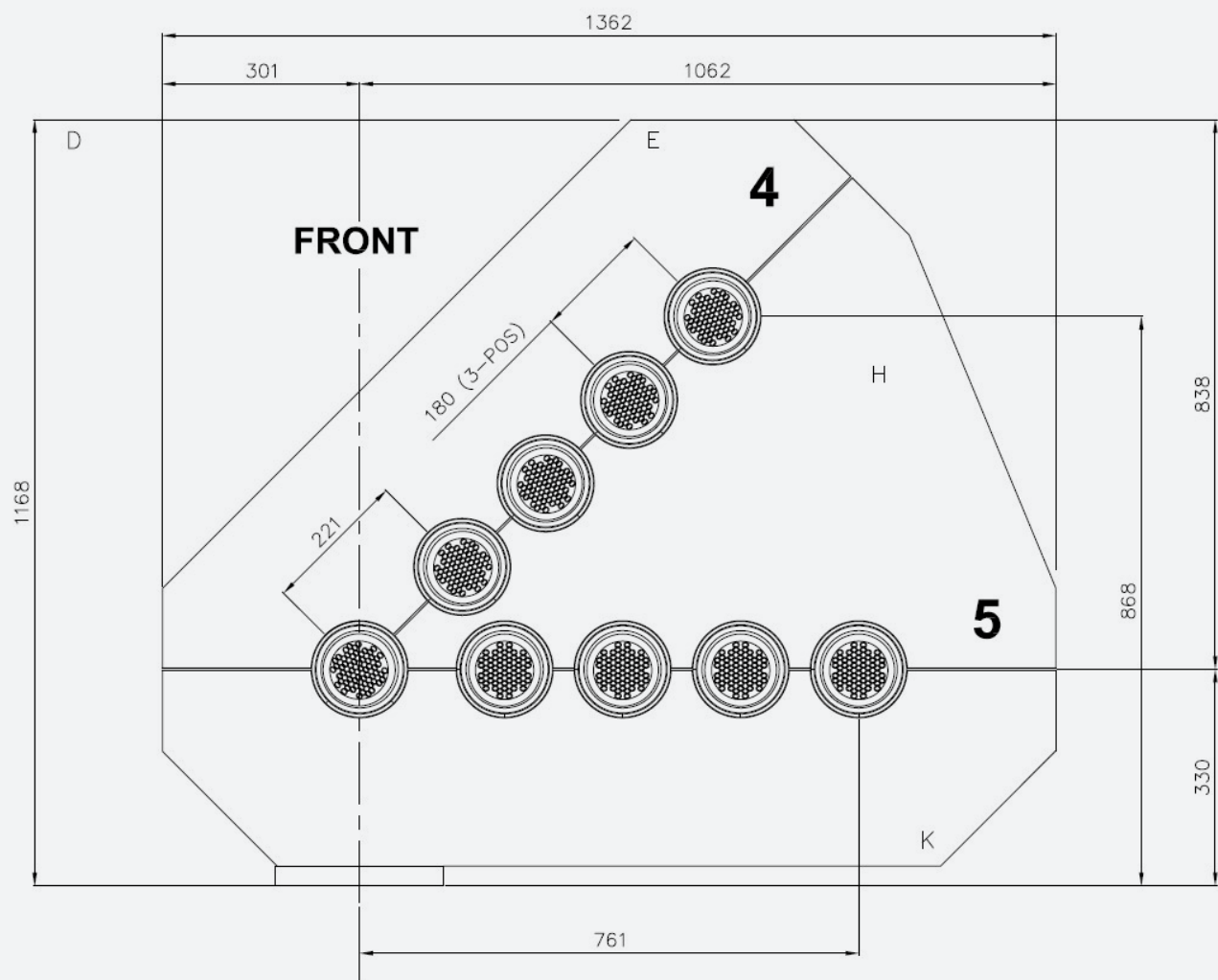
Indicator Weight – 67Kg

Product Configuration



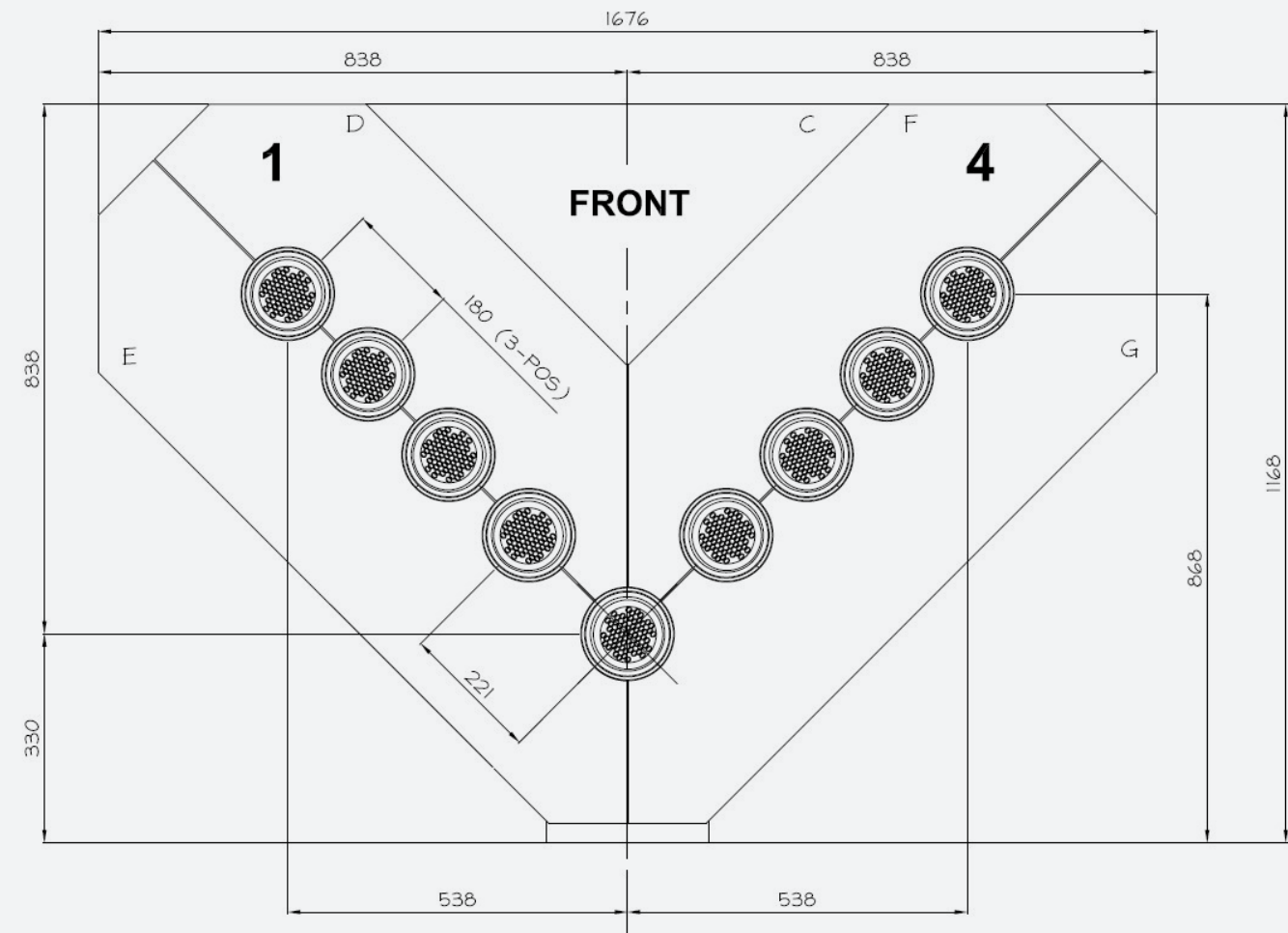
Indicator Weight – 43Kg

Product Configuration



Indicator Weight – 67Kg

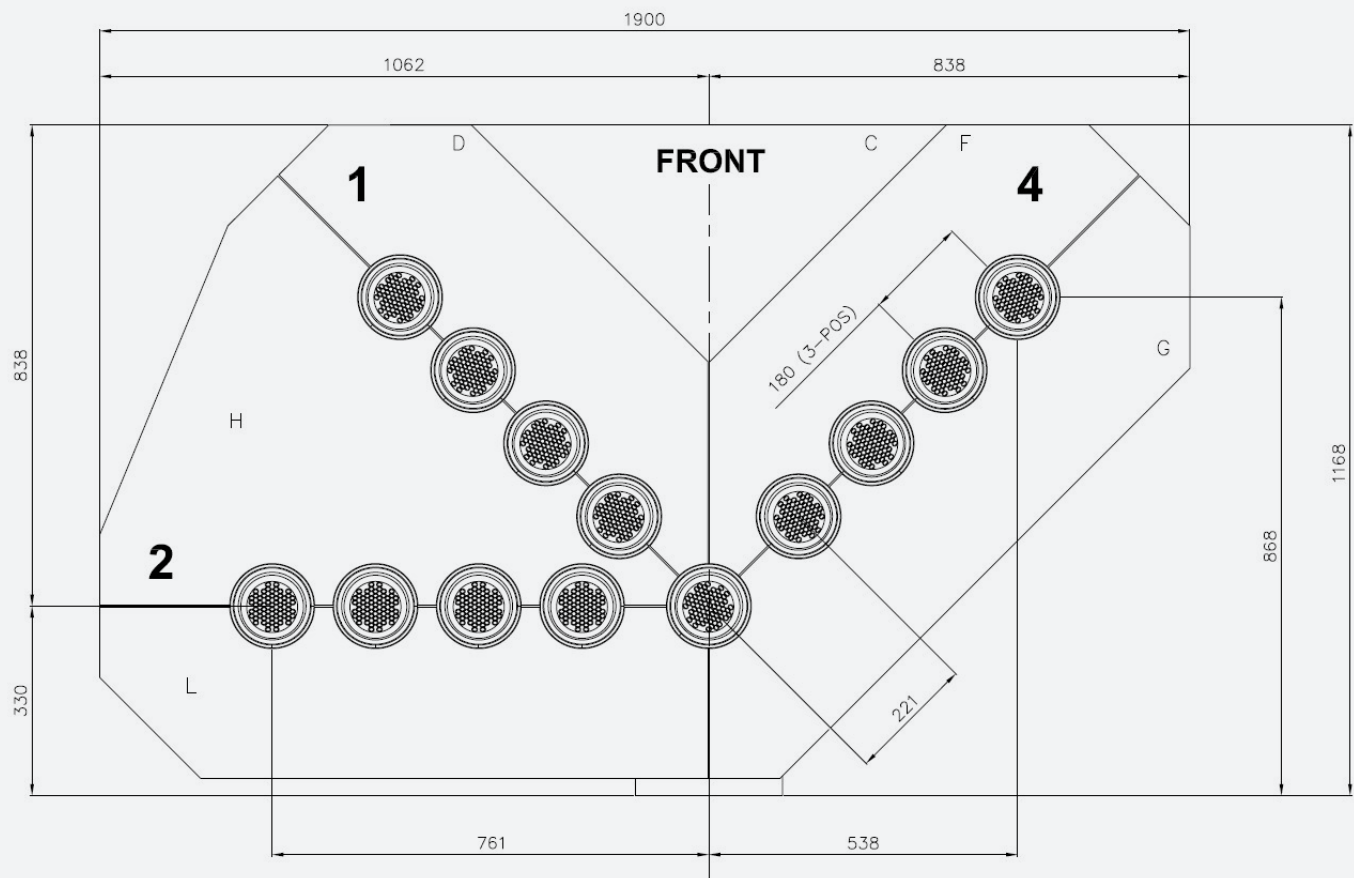
Product Configuration



Indicator Weight – 67Kg

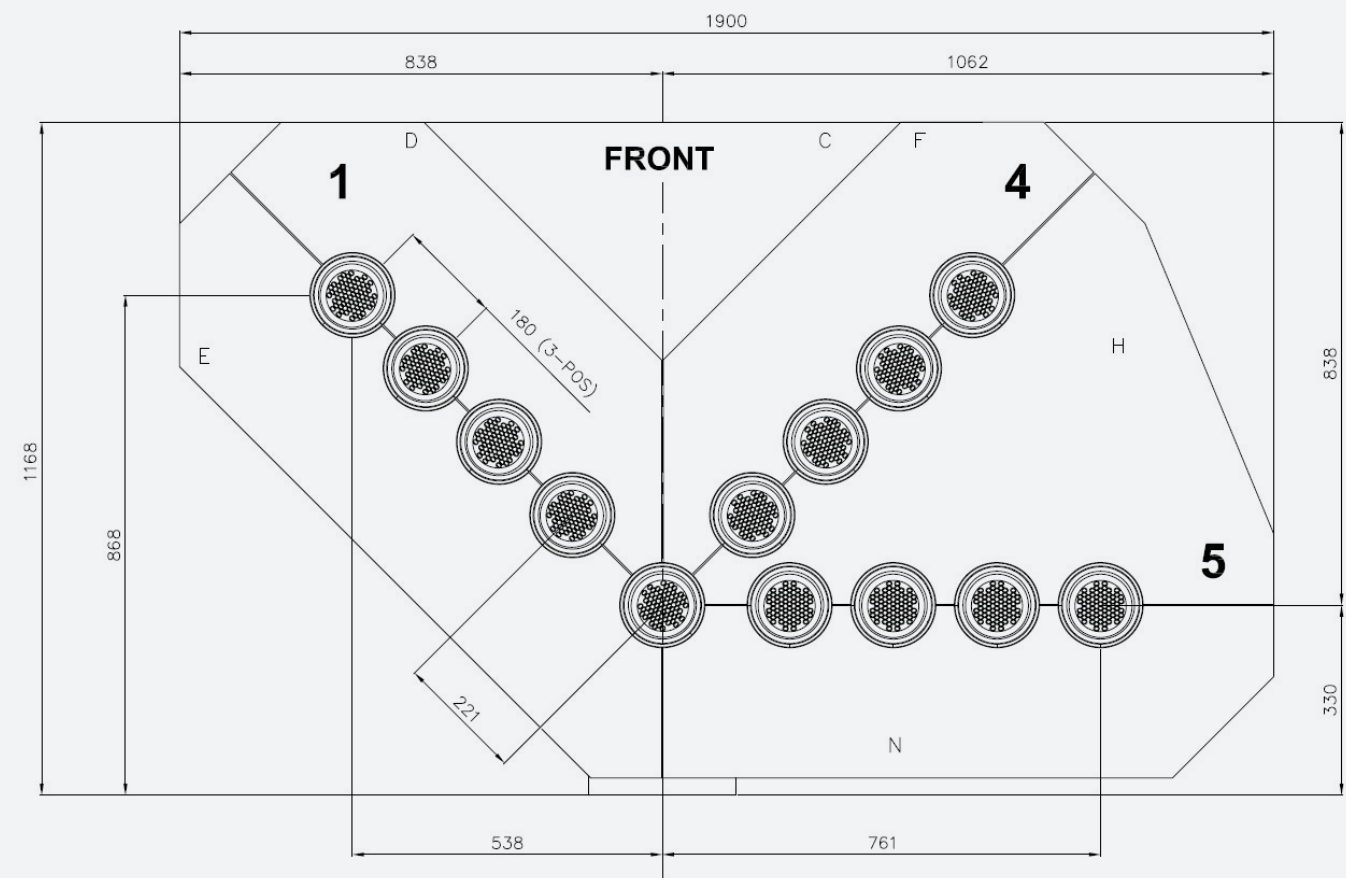


Product Configuration



Indicator Weight – 91Kg

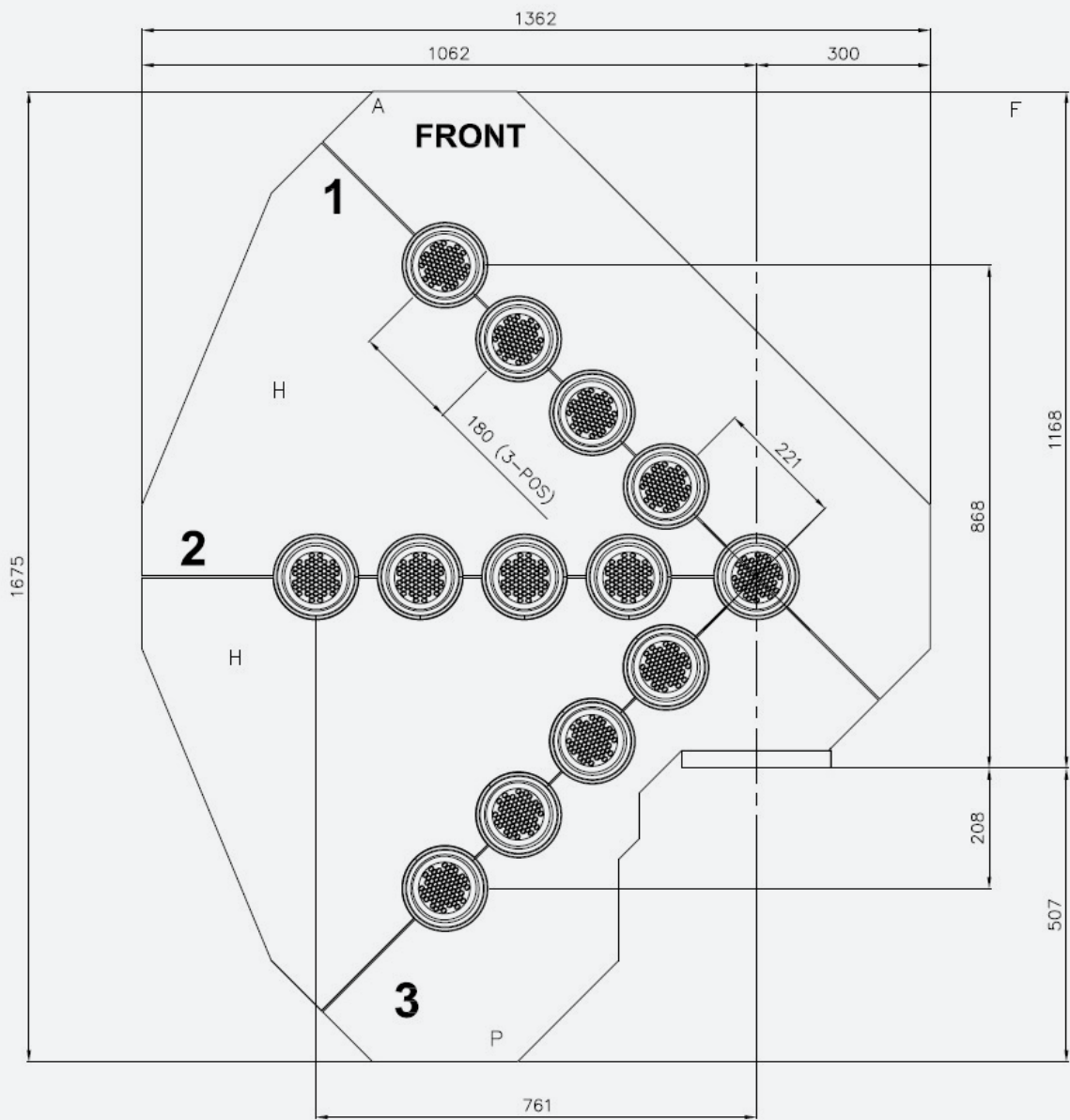
Product Configuration



Indicator Weight – 91Kg

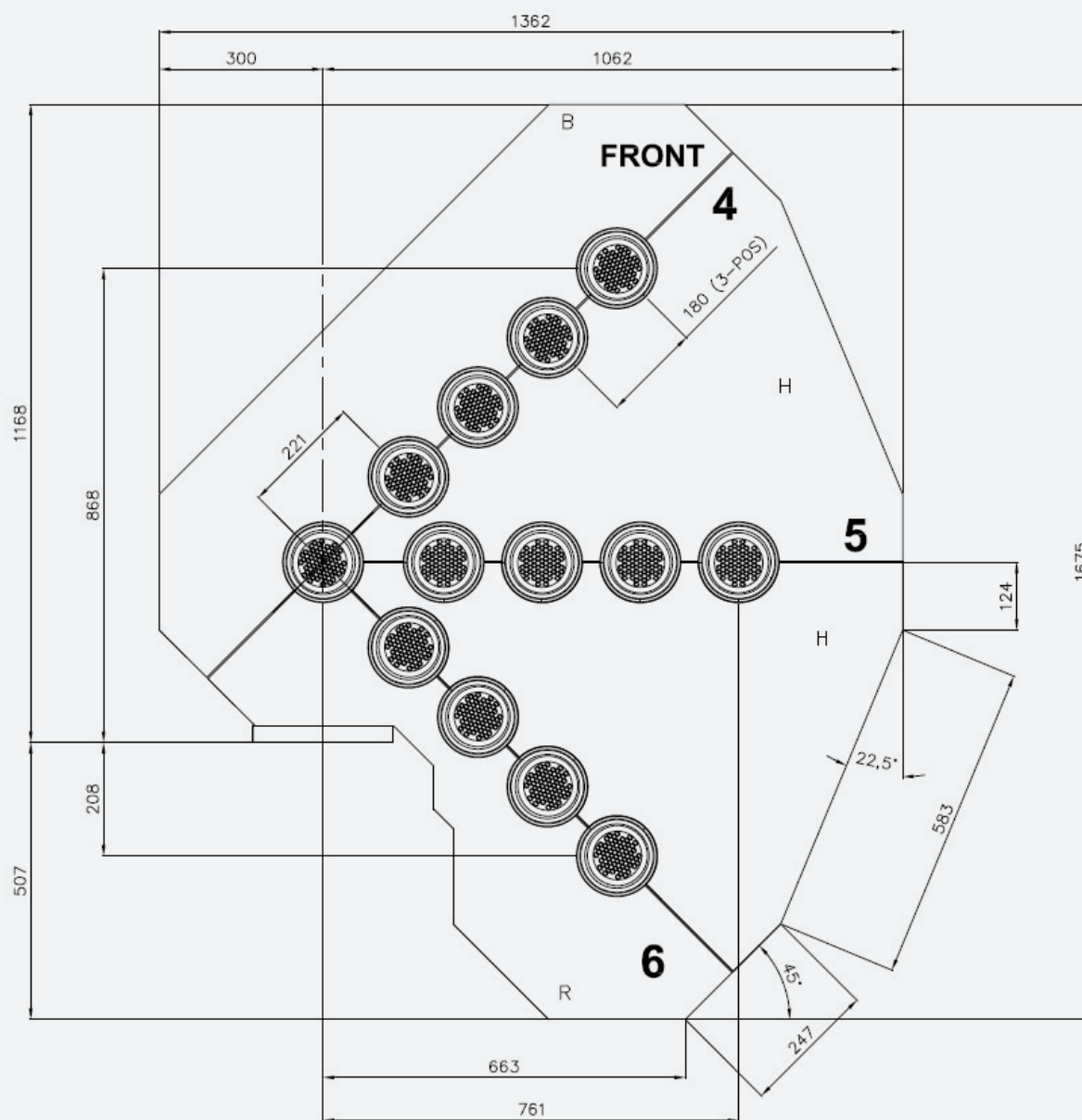


Product Configuration



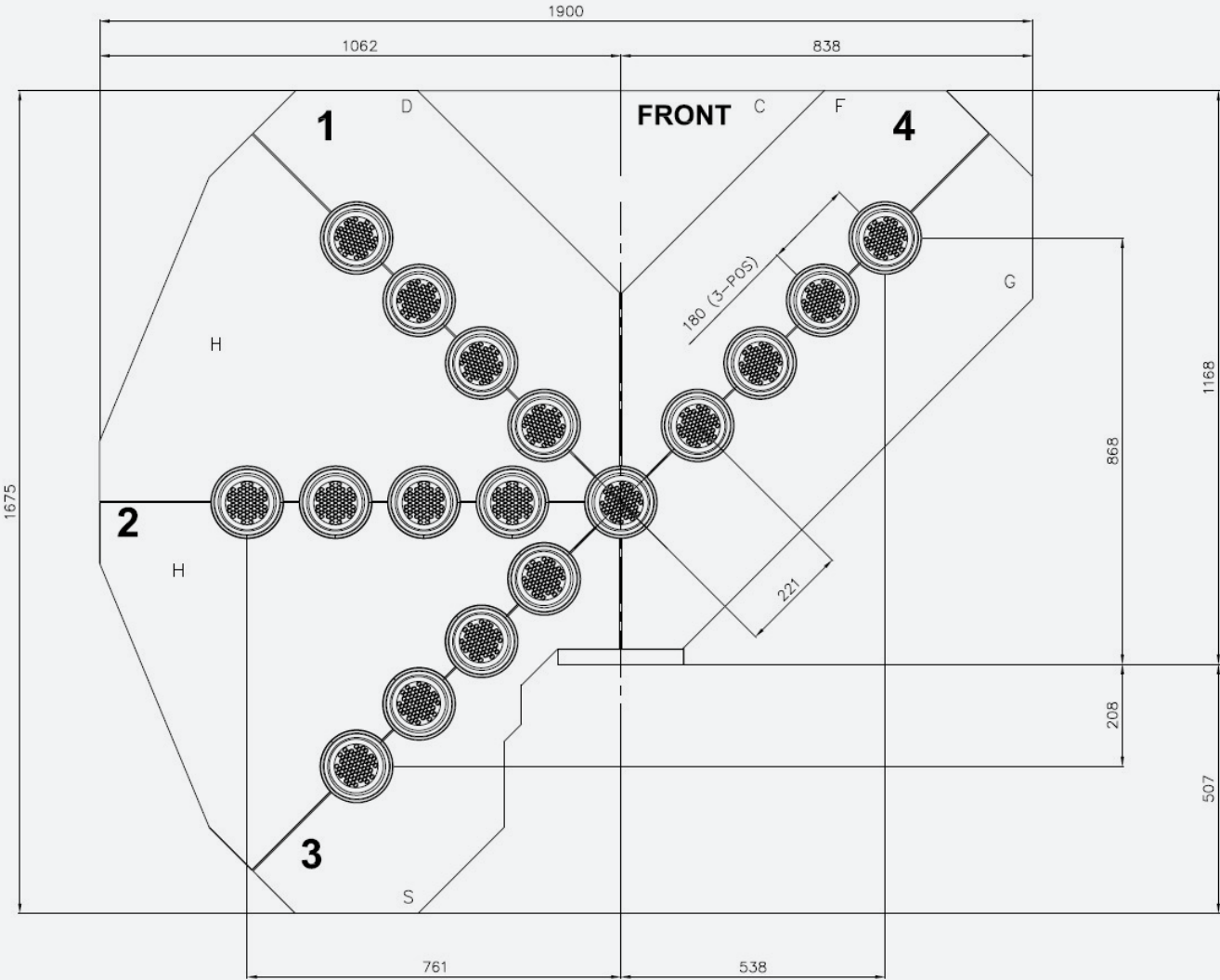
Indicator Weight – 91Kg

Product Configuration



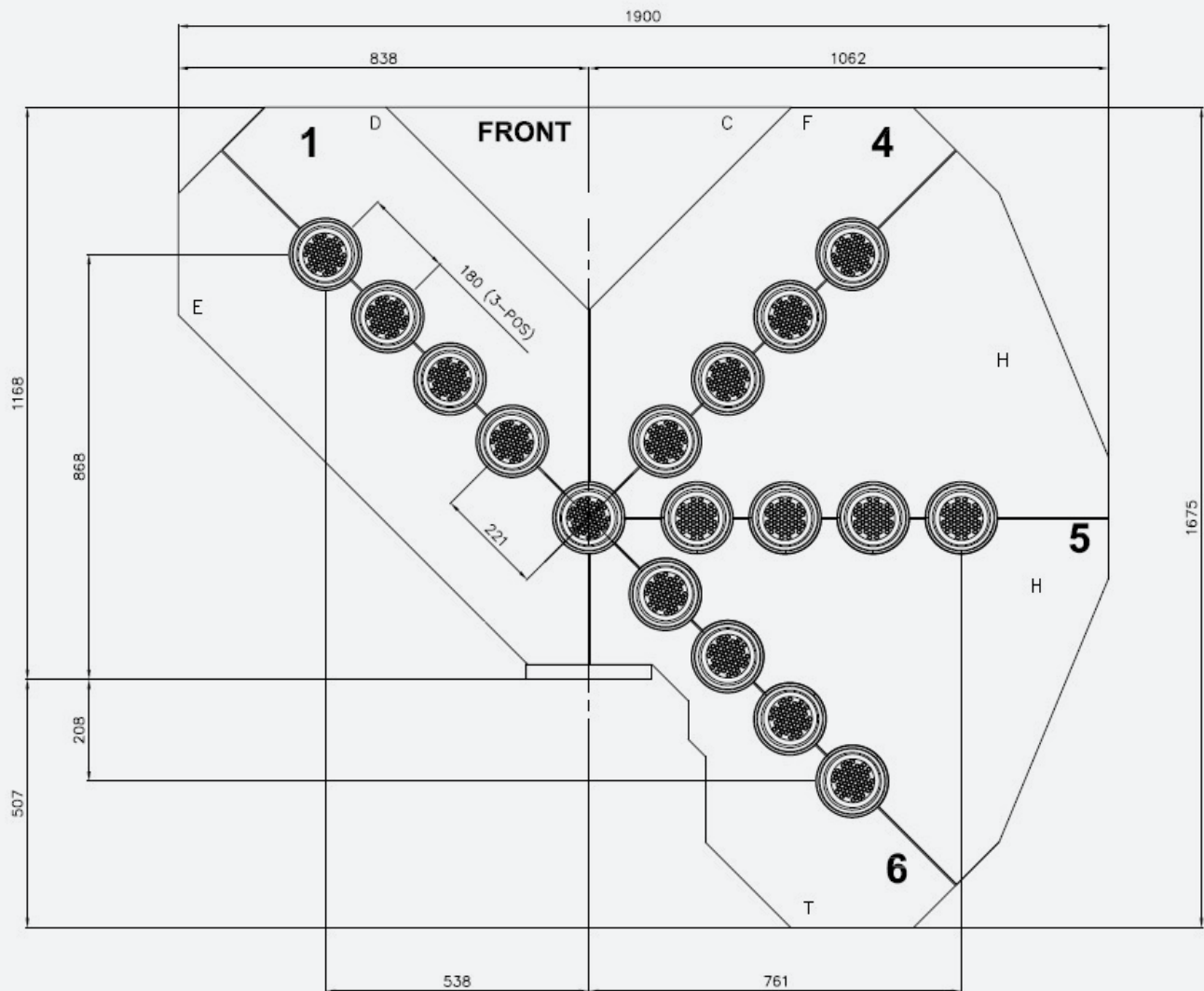
Indicator Weight – 91Kg

Product Configuration



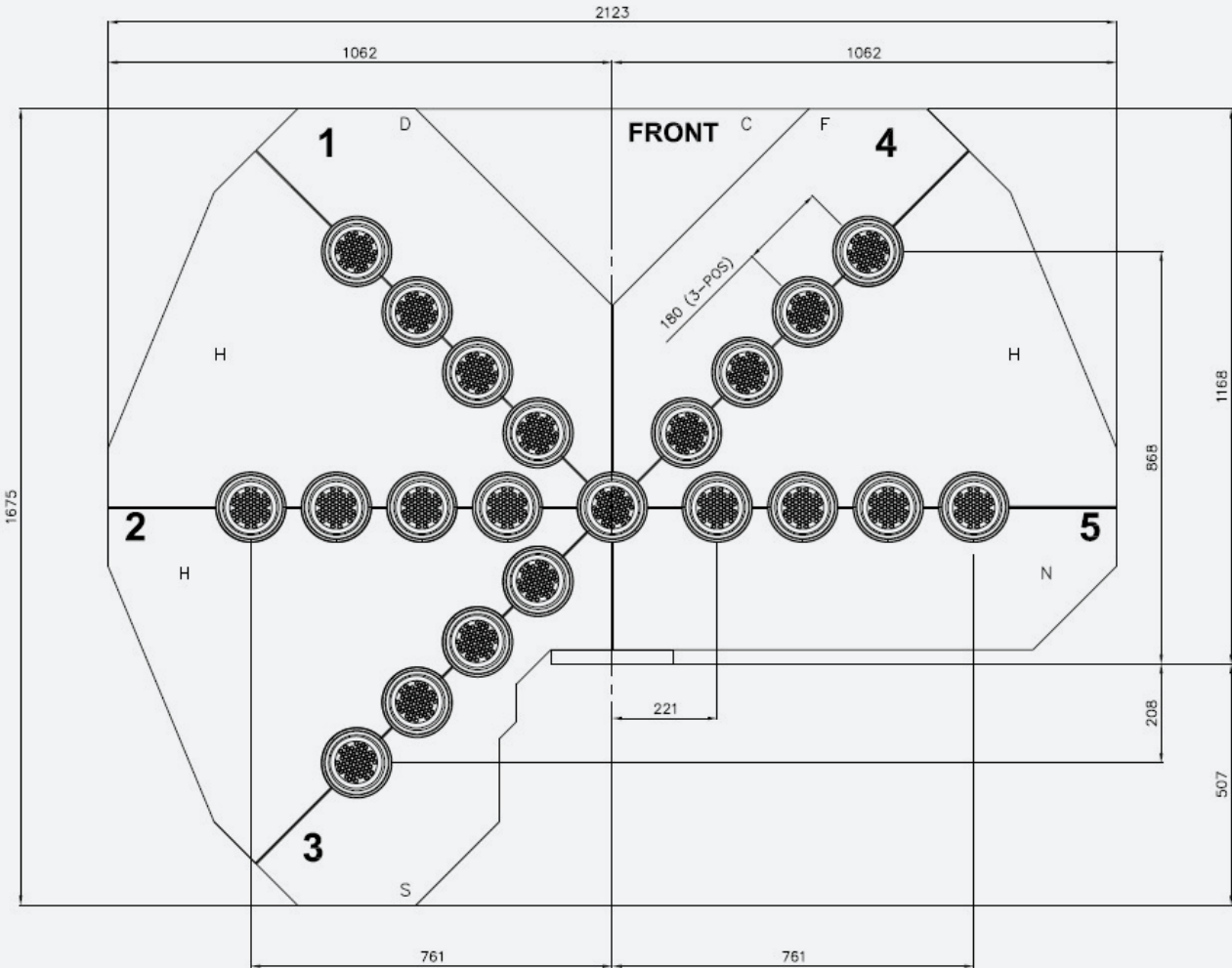
Indicator Weight – 110Kg

Product Configuration



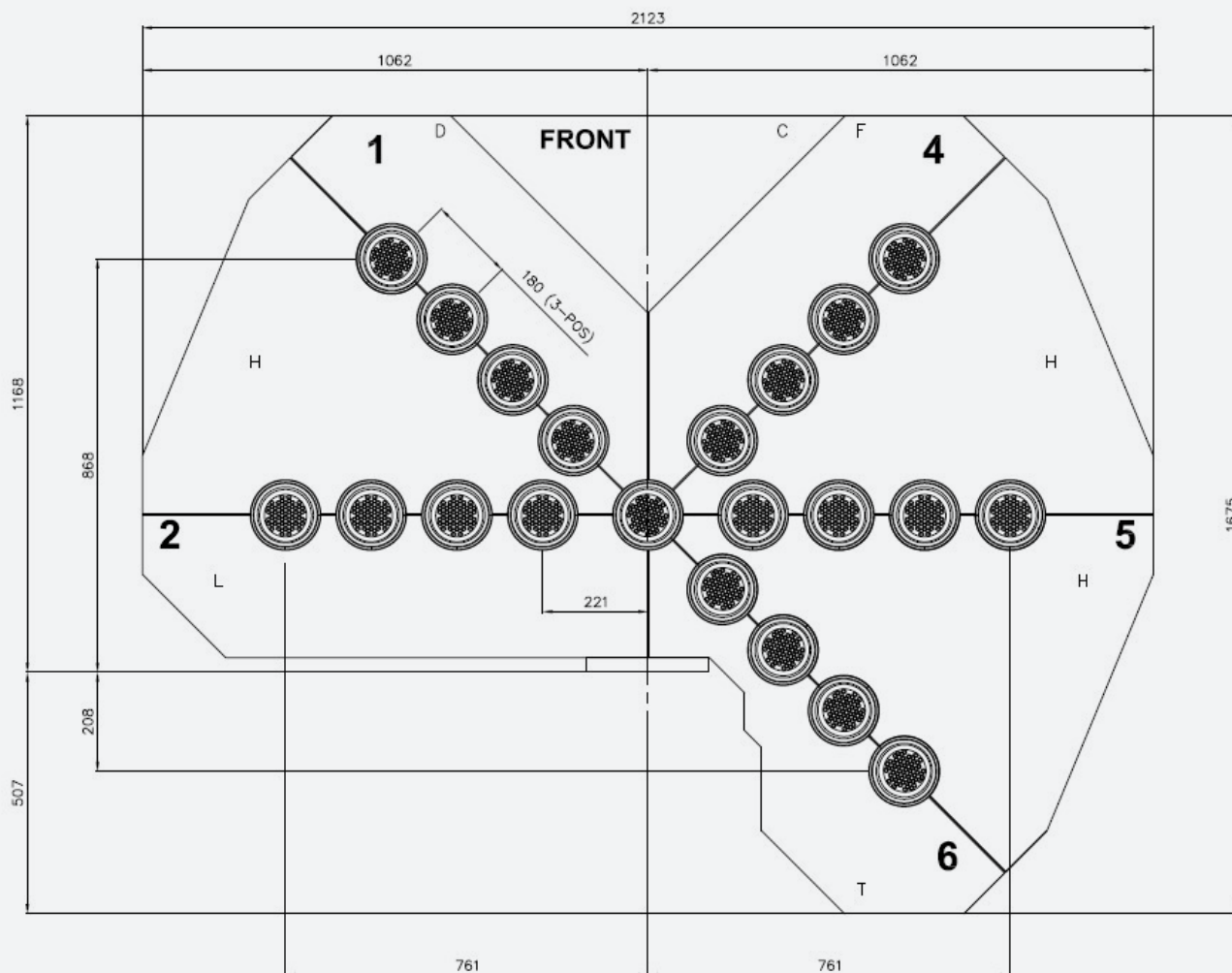
Indicator Weight – 91Kg

Product Configuration



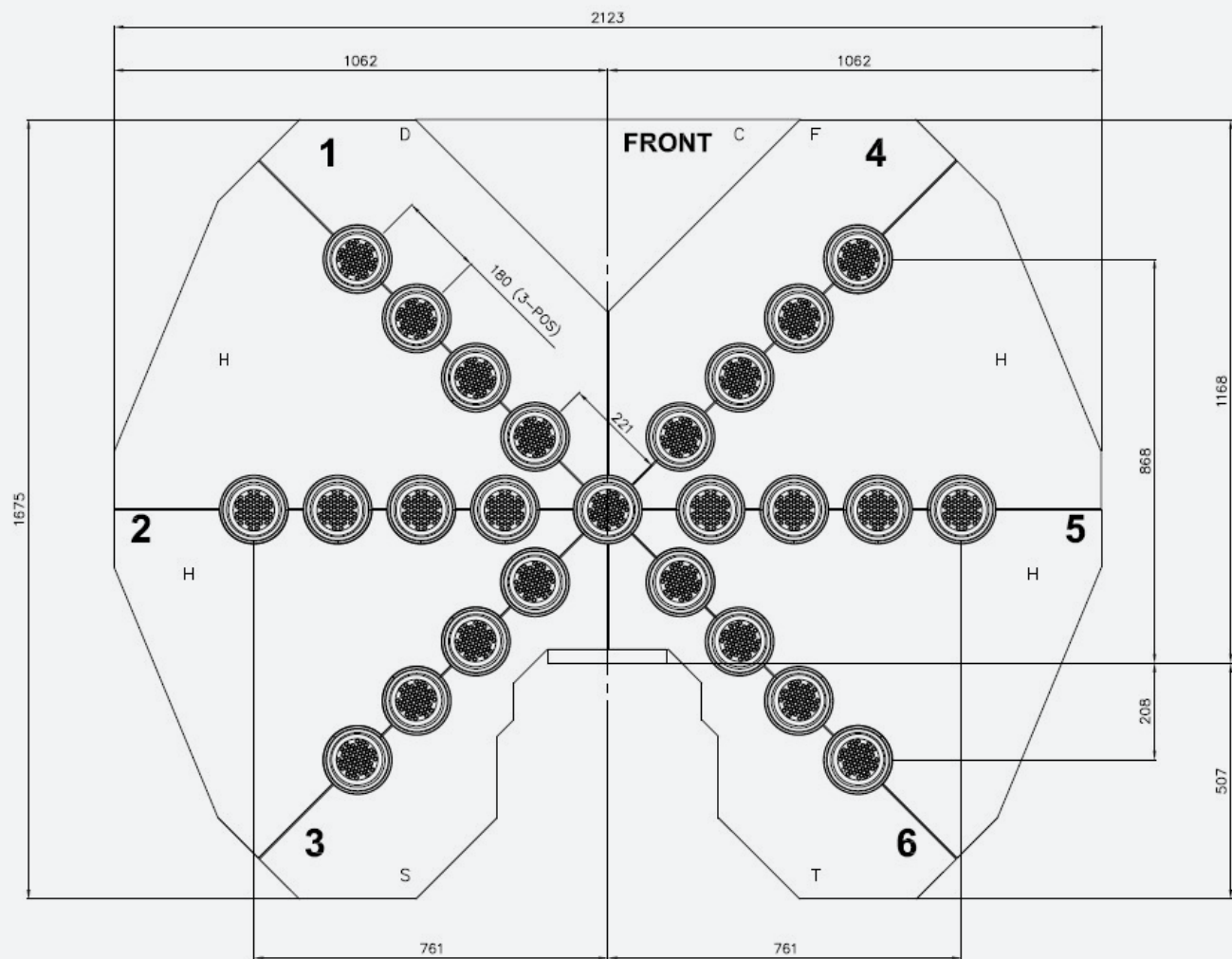
Indicator Weight – 135Kg

Product Configuration



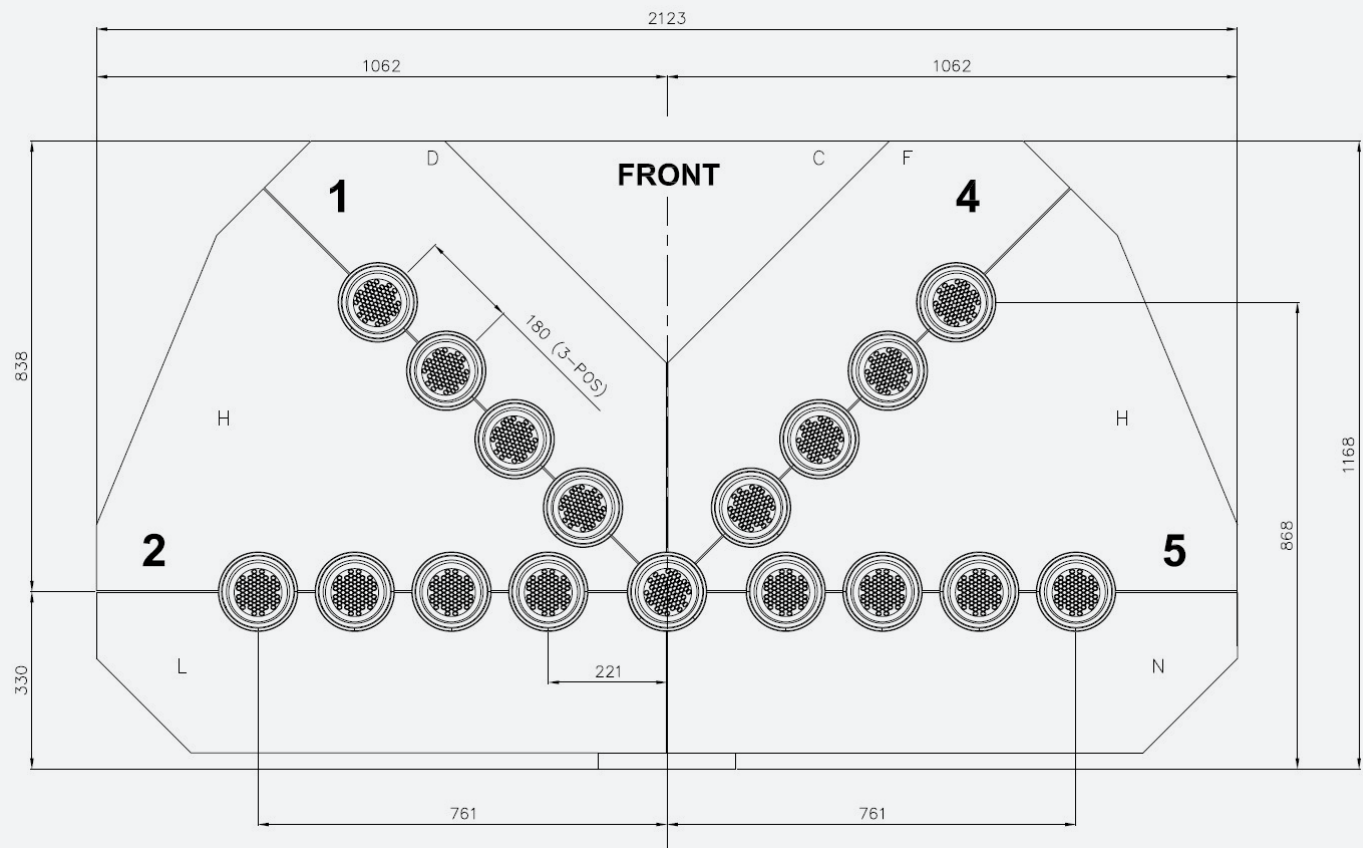
Indicator Weight – 135Kg

Product Configuration



Indicator Weight – 165Kg

Product Configuration



Indicator Weight – 110Kg



Catalogue Numbers

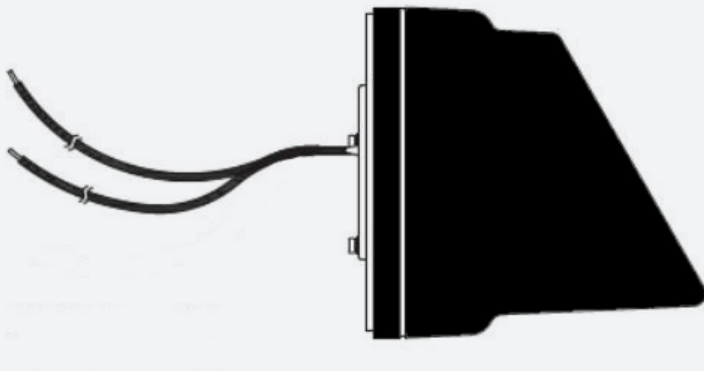
Indicators Mk2 Only

Catalogue Number	Unipart Dorman Part Number	Description
0086/021168	PLJI2/1-----/PG	JRI Position 1
0086/021169	PLJI2/12----/PG	JRI Position 1+2
0086/021170	PLJI2/123---/PG	JRI Position 1+2+3
0086/021171	PLJI2/1234--/PG	JRI Position 1+2+3+4
0086/021172	PLJI2/12345-/PG	JRI Position 1+2+3+4+5
0086/021173	PLJI2/123456/PG	JRI Position 1+2+3+4+5+6
0086/021174	PLJI2/12-4--/PG	JRI Position 1+2+4
0086/021175	PLJI2/12-45-/PG	JRI Position 1+2+4+5
0086/021176	PLJI2/12-456/PG	JRI Position 1+2+4+5+6
0086/021177	PLJI2/1--4--/PG	JRI Position 1+4
0086/021178	PLJI2/1--45-/PG	JRI Position 1+4+5
0086/021179	PLJI2/1--456/PG	JRI Position 1+4+5+6
0086/021180	PLJI2/---4--/PG	JRI Position 4
0086/021181	PLJI2/---45-/PG	JRI Position 4+5
0086/021182	PLJI2/---456/PG	JRI Position 4+5+6

Catalogue Numbers

Spares Mk2 Only

Catalogue Number	Unipart Dorman Part Number	Description
0086/021183	JIM2/WW/1/P/G	Lunar White Junction Indicator Module ***Mark 2 Only***
0086/021184	D85.84011	PLJI Spare Louvered Visor Kit ***Mark 2 Only***



Visor supplied with Clamp Ring and nuts & washers as a kit of parts

Catalogue Numbers

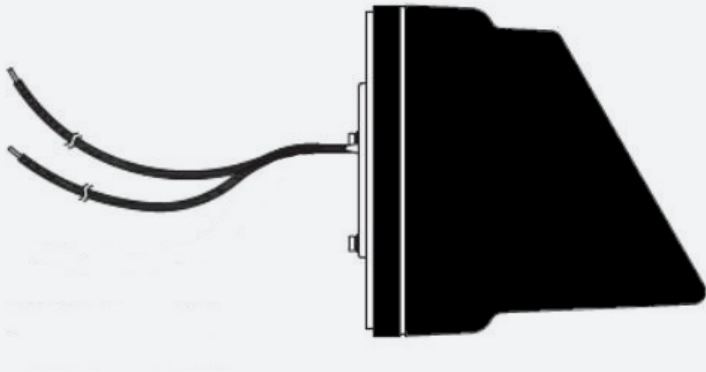
Indicators Mk1 Only (Not Preferred by Network Rail)

Catalogue Number	Unipart Dorman Part Number	Description
0086/021001	PLJI/123456/PO	JRI Position 1
0086/021002	PLJI/12----/PO	JRI Position 1+2
0086/021008	PLJI/123---/PO	JRI Position 1+2+3
0086/021010	PLJI/1234--/PO	JRI Position 1+2+3+4
0086/021012	PLJI/12345-/PO	JRI Position 1+2+3+4+5
0086/021014	PLJI/123456/PO	JRI Position 1+2+3+4+5+6
0086/021006	PLJI/12-4--/PO	JRI Position 1+2+4
0086/021015	PLJI/12-45-/PO	JRI Position 1+2+4+5
0086/021013	PLJI/12-456/PO	JRI Position 1+2+4+5+6
0086/021005	PLJI/1--4--/PO	JRI Position 1+4
0086/021007	PLJI/1--45-/PO	JRI Position 1+4+5
0086/021011	PLJI/1--456/PO	JRI Position 1+4+5+6
0086/021003	PLJI/---4--/PO	JRI Position 4
0086/021004	PLJI/---45-/PO	JRI Position 4+5
0086/021009	PLJI/---456/PO	JRI Position 4+5+6

Catalogue Numbers

Spares – Mk1

Catalogue Number	Unipart Dorman Part Number	Description
0086/020955	JIM2/WW/1/P/O	Junction indicator module
0086/997004	D85.84004	JRI Spare Visor Kit

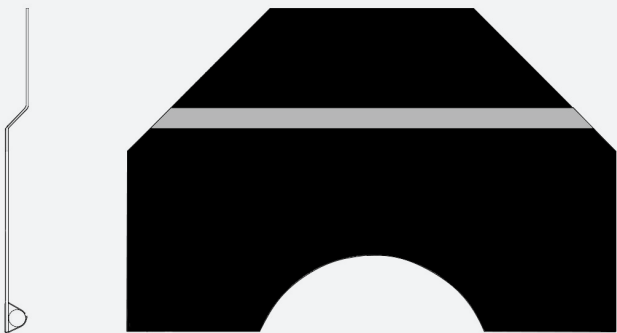
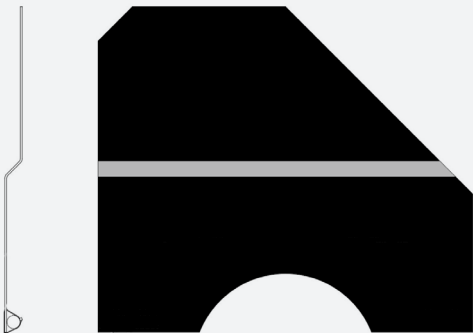
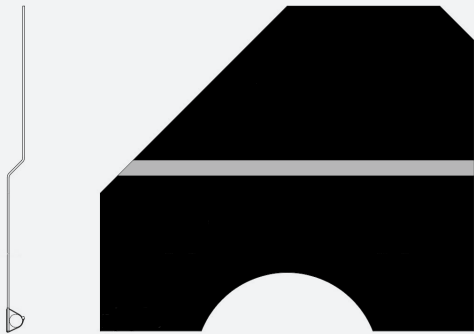
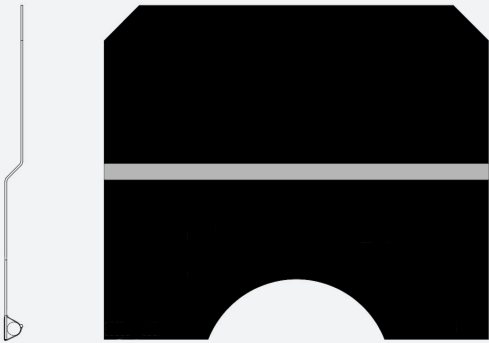


Visor supplied with Clamp Ring and nuts & washers as a kit of parts

Catalogue Numbers

Upper Backboard Extension for fitting to Classic and CLS LITE Signals

Catalogue Number	Unipart Dorman Part Number	Description
0086/009004	D86.85057	CLS Full Upper Backboard Extension 25mm Joggle
0086/009005	D86.85058	CLS Upper Backboard Extension 25mm Joggle for use with POS 3 JRI
0086/009006	D86.85059	CLS Upper Backboard Extension 25mm Joggle for use with POS 6 JRI
0086/009007	D86.85060	CLS Upper Backboard Extension 25mm Joggle for use with POS 3 & 6 JRI

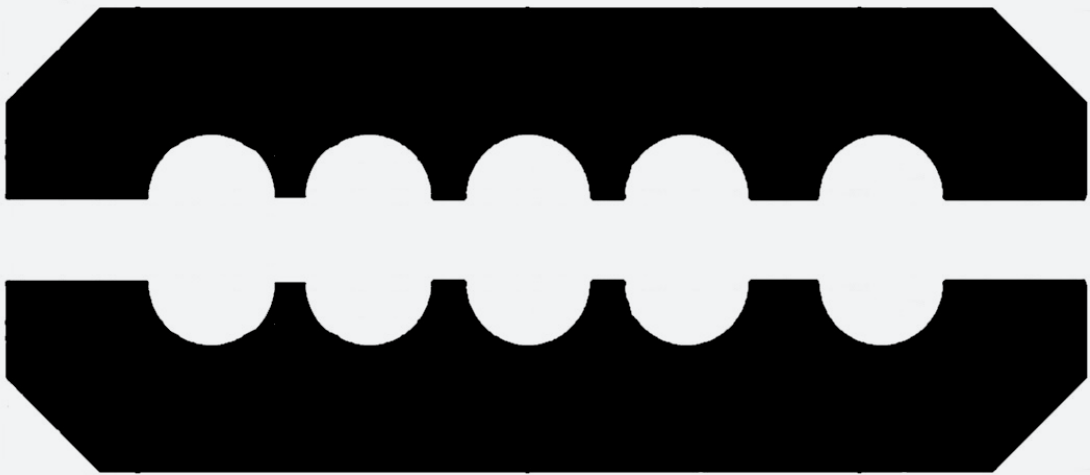


Catalogue Numbers

Reduced Width Backboards

Only to be used with the express permission of the Signal Sighting Chair

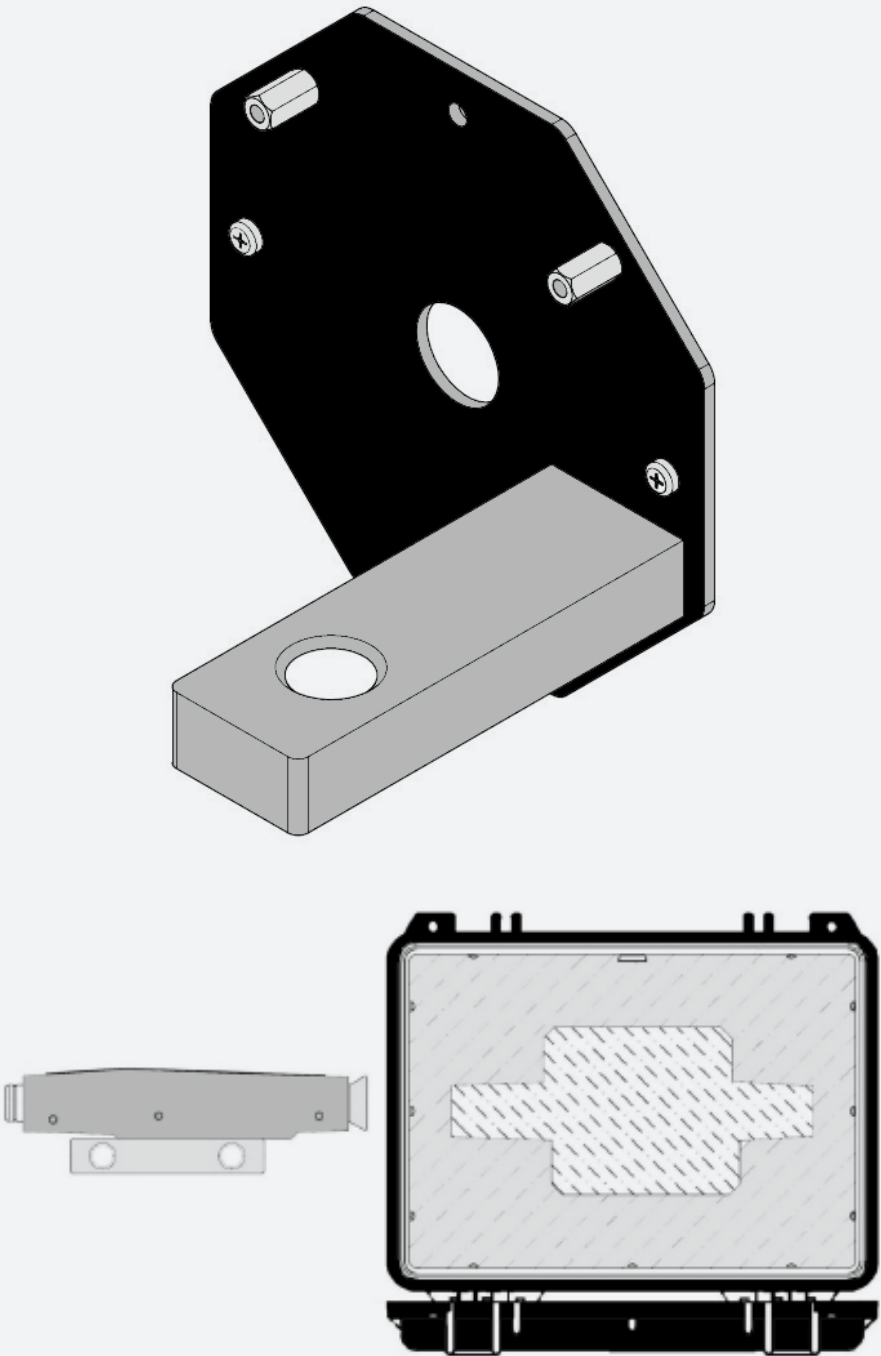
Catalogue Number	Unipart Dorman Part Number	Description
0086/021186	D85.84005	Reduced Backboard Pos 1
0086/021187	D85.84006	Reduced Backboard Pos 4
0086/021188	D85.84007	Reduced Backboard Pos 1&4
0086/021189	D85.84008	Reduced Backboard Pos 1&2
0086/021190	D85.84009	Reduced Backboard Pos 4&5



Catalogue Numbers

Sighting Scope & Adaptor Plate

Catalogue Number	Unipart Dorman Part Number	Description
0086/021185	D85.84010	PLJI Sighting Scope Adaptor Plate
0086/008542	D04.03082	iLS Signal Sighting Scope



Catalogue Numbers

Out of Use Masks

Catalogue Number	Unipart Dorman Part Number	Description
0086/021191	B22.21085	Jl OOU Mask Position 1
0086/021192	B22.21086	Jl OOU Mask Position 1&2
0086/021193	B22.21087	Jl OOU Mask Position 4
0086/021194	B22.21088	Jl OOU Mask Position 4&5
0086/021195	B22.21089	Jl OOU Mask Position 1&4
0086/021196	B22.21090	Jl OOU Mask Position 1&2&4
0086/021197	B22.21101	Jl OOU Mask Position 1&2&3
0086/021198	B22.21102	Jl OOU Mask Position 4&5&6



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