Group 1 Height Bars

Our Group 1 height bars are available in a range of standard lengths from 2 metres all the way up to 6 metres. Each height bar is supplied with the necessary chain suspension kits and “LOW CLEARANCE” text, with your specified height in Black lettering on a White vinyl background. Note: Mounting structures are sold separately, engineering specifications can be accessed on our website.

<table>
<thead>
<tr>
<th>Style</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HB3-P</td>
<td>2 metre aluminium height bar with 1x KIT22 hanger kit and text</td>
</tr>
<tr>
<td>1</td>
<td>HB3-Pa</td>
<td>3 metre aluminium height bar with 1x KIT22 hanger kit and text</td>
</tr>
<tr>
<td>1</td>
<td>HB4-P</td>
<td>4 metre aluminium height bar with 1x KIT22 hanger kit and text</td>
</tr>
<tr>
<td>1</td>
<td>HB5-P</td>
<td>5 metre aluminium height bar with 1x KIT22 hanger kit and text</td>
</tr>
<tr>
<td>1</td>
<td>HB6-P</td>
<td>6 metre aluminium height bar with 1x KIT22 hanger kit and text</td>
</tr>
<tr>
<td>2</td>
<td>HB500</td>
<td>Adjustable height bar stand-off bracket for wall or post mounting (each)</td>
</tr>
<tr>
<td>3</td>
<td>HBP</td>
<td>Surface mount group 1 post 90 x 90 x 4mm (41.3kgs) – 3.2 metres high</td>
</tr>
<tr>
<td>4</td>
<td>RC250</td>
<td>In-ground reo cage M16 x 250 x 1000mm</td>
</tr>
<tr>
<td>5</td>
<td>KIT22</td>
<td>Hanger kit for height bars up to 6 metres long (1x kit required)</td>
</tr>
</tbody>
</table>

Note: Height Bars, Stand-off Brackets and Posts are all ordered separately.

GROUP 1: Cantilever Hanger
- Maximum height bar clearance 2.7 metres.
- Max. post span 6.5 metres.
- Max. height bar length 6 metres.
- Single piece extruded aluminium height bar.
- Hanger kit included 1x Kid22.
- Engineered to wind Region A, Terrain Category 2.
- Site specific certification available. Fees apply.

Maximum Span 6500mm
Maximum Height Bar Length 6000mm
Maximum Clearance 2700mm

Surface Mount
Use 4x M16 chemical anchors with minimum embedment 150mm into reinforced concrete.

Natural undisturbed soil, minimum 100kPa bearing capacity.

Cohesive soils (stiff clay – C=60kPa)
Embed RC250 reo cage into 30mpa concrete 450 diameter by 1100mm deep.

Non-Cohesive soils (Sands)
Embed RC250 reo cage into 30mpa concrete 600 diameter by 2000mm deep with 4 full depth R16 bars.

Natural undisturbed soil, minimum 100kPa bearing capacity.

Cohesive soils (stiff clay – C=60kPa)
Embed RC250 reo cage into 30mpa concrete 450 diameter by 1100mm deep.

Non-Cohesive soils (Sands)
Embed RC250 reo cage into 30mpa concrete 600 diameter by 2000mm deep with 4 full depth R16 bars.

Note: Diagram not to scale. See website for more details.
Group 2 Height Bars

Group 2 height bars include those that exceed the height or width dimensions of our Group 1 design. Group 2 height bar structures are engineered ‘up to’ a maximum height of 8 metres or a width of 12 metres, they tend to be site specific and as such are made to order from stock components. They utilise an extruded aluminium height bar rail while the supporting structure is hot dip galvanised mild steel SHS.

More information on wind loadings, terrain categories and foundation designs can be found on our website.

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**Style Part No.** | **Description**
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1 HB8-P | 8 metre aluminium height bar with 2x Kit22 hanger kits and bolt
2 HB10-P | 10 metre aluminium height bar with 2x Kit22 hanger kits and bolt
3 HB12-P | 12 metre aluminium height bar with 2x Kit22 hanger kits and bolt
4 HBHR | Group 2 hanger beam – 12 metre maximum
5 HBPM2 | Height bar group 2 and 150 x 6mm SHS – 8 metres high maximum
6 RC350 | In-ground reo cage M20 x 350 x 1100mm
7 Kit22 | Hanger kit for height bars up to 6 metres long (2x kits required)

*Note: Height bars and posts are all ordered separately. Height bars in excess of 6 metres long will be a two-piece design jointed at the middle with 2 x 600mm slip joiners.

**GROUP 2: Hanger Beam (Two-Piece)**
- Maximum post height 8 metres.
- Max. height bar clearance 7.2 metres.
- Max. post span 12 metres.
- Max. height bar length 11.5 metres.
- Two-piece extruded aluminium height bar.
- Hanger kits included 2x Kit22.
- Engineered to wind Region A, Terrain Category 2.
- Site specific certification available. Fees apply.

**Cohesive soils (stiff clay – C=60kPa)**
Embed RC350 reo cage into 30mpa concrete 600 diameter by 1250mm deep.

**Non-Cohesive soils (Sands)**
Embed RC350 reo cage into 30mpa concrete 600 diameter by 2500mm deep with 4 additional full depth R20 bars.

Natural undisturbed soil, minimum 100kPa bearing capacity.