Bringing structures to life

PRODUCT BROCHURE

Ascent-F
Product Overview

Ascent -F is a new guided climbing formwork system developed with our customers to speed cycle times and reduces labour costs. Ascent is fully adaptable to fit all formwork systems, and is suitable for inclined, stepped, circular or straight surfaces. All necessary safety features are completely integrated.

**Faster**
- A new guided climbing formwork system developed with our customers to speed cycle times and reduces labour costs
- Can be lifted in high winds. If no cranage is available, the simple Ascent hydraulic system can be used avoiding lost site time
- Wall brackets can be pre-mounted on the cast-in wall anchor before adding the connecting bolt. - Fast job for a single operative

**Safer**
- Masts safely extended in-situ - Saves valuable site space
- Safety and peace of mind for operatives. - The highly visible Ascent Latch connects securely with the Ascent Wall Brackets. ELEV (Electronic Latch Engagement Verification) system further enhances operator confidence
- Ascent components have been developed with manual

**Easier**
- Suitable for a range of situations. - Constructs piers and straight or curved walls sloping by up to 20 degrees
- Reduced required crane height. - Ascent platforms can be removed by raising, lowering or moving directly away from the building.Unique swivel base plate
- Ascent is fully adaptable to fit all formwork systems, and is suitable for inclined, stepped, circular or straight surfaces. All necessary safety features completely integrated
Applications

Guided climbing formwork system for core and wall applications in a multi-storey situation. Suitable for a range of concrete slabs up to 450mm thick. Comes in 3 basic option variants.

**Option 1**
- The lowest-cost option which is used when the wall brackets and anchors can be retrieved from the following construction levels. This option requires two wall brackets and anchors per lift.

**Option 2**
- This option is used when wall brackets and anchors need to be recovered from the wall with the progress of work. It requires a single wall bracket and anchor per wall lift.

**Option 3**
- The option used when wall brackets and anchors need to be recovered from the wall with the progress of work and concrete finishing and/or hydraulic wall climbing are required. This option requires a single wall bracket and anchor per wall lift.
Ascent-F is a new guided climbing formwork system developed with our customers to speed cycle times and reduces labour costs. Ascent is fully adaptable to fit all formwork systems, and is suitable for inclined, stepped, circular or straight surfaces. All necessary safety features completely integrated.

- **Versatile**
  Can be used with any formwork system to construct piers and straight or curved walls sloping by up to 20 degrees.

- **Starts from the first wall lift**
  The masts are safely extended in-situ - speeding early construction cycles, reducing labour and saving valuable site space.

- **Can be lifted in high winds and if no cranage is available**
  The simple Ascent hydraulic system can be used - ensures you meet those tight construction deadlines.

- **Peace of mind for operatives**
  The highly visible Ascent latch connects securely with the Ascent Wall Brackets. ELEV (Electronic Latch Engagement Verification) system further enhances operator confidence.

- **Components developed with manual handling and safety in mind**
  Pre-assembly of equipment can be carried out without cranes at ground level.

- **Makes the job easy**
  Wall brackets can be pre-mounted on the cast-in wall anchor before adding the connecting bolt making this a fast job for a single operative.

- **Increases your options**
  At the end of the job Ascent platforms can be removed by raising, lowering or moving directly away from the building, reducing the required crane height.
In Detail

Mast & Latch

**Ascent Mast – Strength**
Manufactured from ultra high yield steel plate giving excellent strength to weight ratio making both manual and crane handling far easier.

**Ascent Mast – Function through design**
Innovative design features include – mast mounts on first wall lift, no need to remove from the wall to extend length and an integral mast hook for mast extension.

**Ascent Latch – Visual indication**
Manufactured from robust cast steel and brightly coloured for easy visual checking of engagement. The latch can be placed anywhere along a mast on a 150mm module, even at mast joints.

**Ascent Latch – Design ingenuity**
The Ascent latch includes a number of ingenious design features - spring loaded to ensure positive return action, a protected position between the mast webs which ensures snag-free operation, stowable in the retracted position so equipment can be lowered for removal if required. In addition, electronic verification of engagement is available.
In Detail
Bracket & Hydraulics

**Wall Bracket - Attach and guide**
The Ascent Wall Bracket is used to attach the masts to the wall and provide guidance during lifting. Smoothly chamfered leading and trailing edges guide the mast through the wall brackets during lifting or lowering.

**Wall Bracket - Cost reducing**
The bracket is lightweight at only 13.2kg. A projecting boss on the rear of the bracket locates into the recess on the embedded anchor, enabling a labour saving single-man fix or removal of the bracket from the wall.

**Hydraulic system - Simple connection**
The system attaches to the bracket using a simple pin connection and is fully interchangeable between platform modules.

**Wall Bracket - Optimised for usage**
Optimised to reduce weight and make manual handling easier. Other features include - removable mast guides which allow equipment to be craned directly away from the wall and an integrated handle, for easy carrying.

**Hydraulic system - Maintain cycle times**
Enables movement of the platforms without the need for a crane, useful during conditions when the crane is either winded off or is servicing other trades, allowing work to continue and maintaining fast cycle times.

**Hydraulic system - Utilise onsite power**
Movement is controlled by a single unit powered by a standard 110v site supply with equal raise speeds for safe, smooth movement.
In Detail

Rack & Trolley - Shaft Latch & Pocket

Rack & Trolley - Simple and easy
The Ascent Rack and Trolley assembly pins into the mast and attaches the formwork and main platform to the masts to enable Form adjustment. The smooth rack and pinion operation makes form movement easy along with 750mm form roll-back.

Rack & Trolley - Safe
A wedge action safety brake prevents accidental form movement - certified lifting shackles for safe raising of the platform. To ensure the assembly works smoothly protected lubrication points are fitted and system covers are available to protect the running gear.

Shaft Latch & Pocket - Integrated features
Details such as a robust latch which ensures positive engagement with every lift and a nylon wheel for snag-free lifting without marking the concrete face.

Rack & Trolley - A range of movements
Further adjustments come courtesy of diagonal turnbuckles which allow form tilt and the form jack which enables level and sideways transit.

Shaft Latch & Pocket - Simple connections
Used with Superslim soldiers to make a platform inside the shaft or core. The assembly, which is adjustable for length in 60mm increments, connects simply to each end of a Superslim soldier and is adjustable in level from the platform.
In Detail

Access & Wall Anchor Options

**Access - Easier and safer**
A comprehensive range of access and safety equipment completes the system and enables free movement of operatives to and between all work areas throughout the forming and lifting cycle.

**Access - Versatile**
A level working platform with no trip hazards, Ultraguard mesh edge protection with integral toe board, lift up. Stop-end guardrails ensure safety during platform movement and an alloy ladder system with dedicated hatch locations provide safe access between levels.

**Wall Anchor option 1**
Anchor secured by cone retainer - Cone retainer (RCX10020) fixed to form face with customer’s nails

**Wall Anchor option 2**
Ascent Anchor Screw Ascent Anchor Screw (HTX20005)

**Wall Anchor option 3**
Anchor secured by bolting through forms

**Wall Anchor option 4**
Ascent Cone and Anchor Plate
Projects

**PROJECT**
Hilton Tower Hotel

**REGION**
Europe

**STRUCTURES**
Commercial, Leisure
## Components

### Adaptors

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10025</td>
<td>Ascent Superslim Adaptor</td>
<td>6.2kg</td>
</tr>
</tbody>
</table>

### Anchor Cone and Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10021</td>
<td>Ascent Anchor Cone M24 x 100mm</td>
<td>1.44kg</td>
</tr>
<tr>
<td>RCX10020</td>
<td>Rapidclimb 45kN Cone Retainer</td>
<td>0.12kg</td>
</tr>
<tr>
<td>RCX10021</td>
<td>Rapidclimb Cone Retainer key</td>
<td>0.05kg</td>
</tr>
</tbody>
</table>

### Anchor Plate

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10028</td>
<td>Ascent Anchor Plate</td>
<td>1.12kg</td>
</tr>
</tbody>
</table>

### Anchor Screw

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTX20005</td>
<td>Ascent Anchor Screw</td>
<td>1.53kg</td>
</tr>
</tbody>
</table>

### Anchor Screw Removal Tool

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10038</td>
<td>Ascent Anchor Screw Removal Socket</td>
<td>0.86kg</td>
</tr>
</tbody>
</table>

### Latch

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10022</td>
<td>Ascent Latch</td>
<td>8.30kg</td>
</tr>
</tbody>
</table>
# Components

## Bracket

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10014</td>
<td>Ascent Slab Bracket</td>
<td>30.4kg</td>
</tr>
<tr>
<td>AGX10023</td>
<td>Ascent Wall Bracket</td>
<td>13.2kg</td>
</tr>
</tbody>
</table>

## Cladding Beam

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10005</td>
<td>Ascent Cladding Beam 2750mm</td>
<td>18.1kg</td>
</tr>
<tr>
<td>AGX10006</td>
<td>Ascent Cladding Beam Extension</td>
<td>8.16kg</td>
</tr>
<tr>
<td>AGX10009</td>
<td>Ascent Cladding Beam Connector</td>
<td>1.65kg</td>
</tr>
</tbody>
</table>

## Angled Superslim Soldier

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSX10050</td>
<td>Superslim Soldier 400mm x 15 deg</td>
<td>13.7kg</td>
</tr>
</tbody>
</table>

## Debris Skirt

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10020</td>
<td>Ascent Debris Skirt Tube 5000mm</td>
<td>16.0kg</td>
</tr>
</tbody>
</table>

## Edge

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10044</td>
<td>Ascent Screen Edge 4060mm</td>
<td>9.07kg</td>
</tr>
<tr>
<td>AGX10045</td>
<td>Ascent Screen Edge 5280mm</td>
<td>11.8kg</td>
</tr>
<tr>
<td>AGX10047</td>
<td>Ascent Screen Edge End Cap Plate</td>
<td>0.06kg</td>
</tr>
<tr>
<td>AGX10048</td>
<td>Ascent Screen Edge Clamp 500mm</td>
<td>0.12kg</td>
</tr>
<tr>
<td>AGX10016</td>
<td>Ascent Edge Seal per 25m</td>
<td>15.0kg</td>
</tr>
</tbody>
</table>

## Zed Frame

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10004</td>
<td>Ascent Zed Frame</td>
<td>25.5kg</td>
</tr>
</tbody>
</table>
Components

**Ascent Ladder**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10032</td>
<td>Ascent Vertical Ladder Bracket</td>
<td>11.6kg</td>
</tr>
<tr>
<td>AGX10033</td>
<td>Ascent Inclined Ladder Bracket</td>
<td>7.63kg</td>
</tr>
<tr>
<td>AGX10034</td>
<td>Ascent Formwork Ladder 4000mm</td>
<td>13.4kg</td>
</tr>
<tr>
<td>AGX10041</td>
<td>Ascent Formwork Ladder 6700mm</td>
<td>22.2kg</td>
</tr>
<tr>
<td>MXX80011</td>
<td>1500mm Extension Ladder</td>
<td>3.0kg</td>
</tr>
<tr>
<td>MXX80008</td>
<td>300mm Hoop Section</td>
<td>7.0kg</td>
</tr>
<tr>
<td>MXX80009</td>
<td>600mm Hoop Section</td>
<td>9.0kg</td>
</tr>
<tr>
<td>MXX80010</td>
<td>1500mm Hoop Section</td>
<td>15.0kg</td>
</tr>
</tbody>
</table>

**Platform Bracket and Pocket**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSX10055</td>
<td>Superslim Shaft Latch</td>
<td>51.4kg</td>
</tr>
<tr>
<td>SSX10056</td>
<td>Superslim Shaft Pocket</td>
<td>2.73kg</td>
</tr>
<tr>
<td>BNX20032</td>
<td>Superslim High Yield Pin M20 x 220</td>
<td>0.6kg</td>
</tr>
</tbody>
</table>

**Ascent Rack & Trolley Assembly**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10012</td>
<td>Ascent Formwork Trolley</td>
<td>66.0kg</td>
</tr>
<tr>
<td>AGX10013</td>
<td>Ascent Formwork Rack</td>
<td>25.8kg</td>
</tr>
<tr>
<td>AGX10026</td>
<td>Complete Assembly</td>
<td>n/a</td>
</tr>
<tr>
<td>ADX31800</td>
<td>Ascent Platform Beam - 2300mm</td>
<td>64.7kg</td>
</tr>
</tbody>
</table>

**Fixings Pins & Clips**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10008</td>
<td>Ascent Pin 12mm Dia</td>
<td>0.11kg</td>
</tr>
<tr>
<td>AGX10031</td>
<td>Ascent Pivot Pin 24mm Dia</td>
<td>0.47kg</td>
</tr>
<tr>
<td>AGX10037</td>
<td>Ascent Toolkit</td>
<td>17.5kg</td>
</tr>
<tr>
<td>SSX10044</td>
<td>Superslim 19mm Pin</td>
<td>0.27kg</td>
</tr>
<tr>
<td>SSX10045</td>
<td>Superslim 3mm R Clip</td>
<td>0.01kg</td>
</tr>
<tr>
<td>SSU10011</td>
<td>R Clip 5mm</td>
<td>0.03kg</td>
</tr>
<tr>
<td>BNX00001</td>
<td>Tek Screw 5.5 x 20mm Hex Plated</td>
<td>0.003kg</td>
</tr>
</tbody>
</table>
## Components

### Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10007</td>
<td>Ascent Bracing Tube 2500mm</td>
<td>9.16kg</td>
</tr>
<tr>
<td>AGX10042</td>
<td>Ascent Tube Support Bracket</td>
<td>2.33kg</td>
</tr>
<tr>
<td>AGX10043</td>
<td>Ascent Tube Extension</td>
<td>4.47kg</td>
</tr>
<tr>
<td>AGX10046</td>
<td>Ascent Tube Soldier End Bracket</td>
<td>2.99kg</td>
</tr>
</tbody>
</table>

### Fixings - Nuts & Bolts

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNX12010</td>
<td>M12 CSK x 45 Bolt (Grade 8.8)</td>
<td>0.44kg</td>
</tr>
<tr>
<td>BNU12001</td>
<td>M12 Nut (Grade 8)</td>
<td>0.1kg</td>
</tr>
<tr>
<td>BNX16002</td>
<td>M12 x 40 Bolt (Grade 8.8)</td>
<td>0.1kg</td>
</tr>
<tr>
<td>BNU16008</td>
<td>M16 CSK x 40 Bolt (Grade 8.8)</td>
<td>0.05kg</td>
</tr>
<tr>
<td>BNM21613</td>
<td>M16 x 130 Bolt (Grade 8.8)</td>
<td>0.3kg</td>
</tr>
<tr>
<td>BNU16001</td>
<td>M16 Nut (Grade 8)</td>
<td>0.03kg</td>
</tr>
<tr>
<td>BNX24010</td>
<td>M24 x 70 Bolt (Grade 8.8)</td>
<td>0.34kg</td>
</tr>
<tr>
<td>BNX24008</td>
<td>M24 x 100 Bolt (Grade 8.8)</td>
<td>0.45kg</td>
</tr>
<tr>
<td>BNU24001</td>
<td>M24 Nut (Grade 8)</td>
<td>0.03kg</td>
</tr>
<tr>
<td>BNX30002</td>
<td>M30 x 375 Bolt (Grade 10.9)</td>
<td>2.32kg</td>
</tr>
<tr>
<td>BNX30004</td>
<td>M30 Nut (Grade 10)</td>
<td>0.05kg</td>
</tr>
</tbody>
</table>
Services

Our service sets us apart...

With over 85 years of experience in the temporary works industry we understand the many and varied challenges that our customers face, whatever the size of your project. Whilst our product range provides us with the capability of supporting your project, it is our people that will make the difference.

Sales Support
Our sales team comprises a vast wealth of experience in the sector, helping us to understand your challenges and the opportunities to save you time and money.

Engineered Drawings
You will be provided with technical recommendations and layout drawings showing a level of detail sufficient to enable straightforward on-site erection. For specifically fabricated items comprehensive operating instructions will be provided.

Customer Service
We work with customers on all scale of projects and as such recognise that your requirements are all different. We provide a level of customer service to suit your requirements ranging from on site training to simple reordering of replacement parts.

Technical Expertise
Every project, large or small, requires unique system design. Our highly skilled team of engineers and technical experts will understand first your requirements, and provide a solution designed to exceed these. We do this through approaching projects with an open mind and a desire to provide the most appropriate solution.

Safety
RMD Kwikform prides itself on the inherent safety of our products and the solutions that we design. The construction industry’s greatest asset is its people and we design schemes and solutions with this in mind at all times.
Contacts

RMD KWIKFORM UNITED KINGDOM

HEAD OFFICE
RMD Kwikform, Brickyard Road, Aldridge, Walsall, WS9 8BW, UK
Tel: +44 1922 743743
Email: info@rmdkwikform.com

LONDON AND SOUTH EAST
24 River Road, Barking, Essex, IG11 0DG
Tel: +44 1708 552975
Fax: +44 1708 557048
Email: info@rmdkwikform.com

SCOTLAND
1650A London Road, Glasgow, G31 4QG
Tel: +44 141 554 7425
Fax: +44 141 554 8392
Email: info@rmdkwikform.com

WALES AND SOUTH WEST
Penarth Road, Cardiff, Glamorgan, CF11 8UP
Tel: +44 29 2037 4521
Fax: +44 29 2023 8703
Email: info@rmdkwikform.com

WETHERBY
Unit 608, Thorpe Arch Estate, Wetherby, West Yorkshire
Tel: +44 1937 229402
Email: info@rmdkwikform.com

NORTH
8 Peel Road, Skelmersdale, WN8 9PT
Tel: +44 1942 273815
Fax: +44 1942 273819
Email: info@rmdkwikform.com

SCOTLAND
Midland Sales Centre, Stubbers
Green Road, Aldridge, Walsall, WS9 8BL
Tel: +44 1922 450800
Fax: +44 1922 450896
Email: info@rmdkwikform.com

MIDLANDS
Midland Sales Centre, Stubbers
Green Road, Aldridge, Walsall, WS9 8BL
Tel: +44 1922 450800
Fax: +44 1922 450896
Email: info@rmdkwikform.com

WORLDWIDE CONTACTS

RMD AUSTRALIA
Tel: +61 (08) 8179 8200
Fax: +61 (08) 8179 8201
Email: rmd.australia@rmdformwork.com

RMD KWIKFORM ASIA PACIFIC
Tel: +63 917 5266760
Email: hamish.bowden@rmdkwikform.com

RMD KWIKFORM QATAR
Tel: +974 4465 3034
Fax: +974 4465 3282
Email: rmd.qatar@rmdkwikform.com

RMD KWIKFORM SAUDI ARABIA
Tel: +966 13 896 8665
Fax: +966 13 896 8664
Email: rmd.ksa@rmdkwikform.com

RMD KWIKFORM USA
Tel: +1 303 252 7000
Fax: +1 303 252 7319
Email: usa@rmdkwikform.com

RMD KWIKFORM ESPAÑA
Tel: +34 91 555 6104
Fax: +34 91 555 4745
Email: rmd.madrid@rmdkwikform.com

RMD KWIKFORM COLOMBIA
Tel: +57 321 214 71 18
Email: rmd.bogota@rmdkwikform.com

RMD KWIKFORM HONG KONG
Tel: +852 2415 4882
Fax: +852 2745 0232
Email: rmd.hongkong@rmdkwikform.com

RMD KWIKFORM PHILIPPINES
Tel: +632 696 7635
Fax: +632 661 6456
Email: rmd.manila@rmdkwikform.com

RMD KWIKFORM BAHRAIN
Tel: +973 1738 2724
Fax: +973 1738 2624
Email: rmd.bahrain@rmdkwikform.com

RMD KWIKFORM INDIA
Tel: +91 44 6693 3300
Email: rmd.india@rmdkwikform.com

RMD KWIKFORM SOUTH AFRICA
Tel: +27 12 004 1000
Email: info.sa@rmdkwikform.com

RMD KWIKFORM OBME
Tel: +973 1738 2724
Fax: +973 1738 2624
Email: rmd.me@rmdkwikform.com

RMD KWIKFORM UAE
Tel: +971 6 553 4173
Fax: +971 6 553 4327
Email: rmd.uae@rmdkwikform.com

RMD KWIKFORM OMAN
Tel: +968 2413 7828
Fax: +968 2413 7998
Email: rmd.oman@rmdkwikform.com

RMD KWIKFORM CHILE
Tel: +56227149800
Email: rmd.chile@rmd.cl

RMD KWIKFORM IRELAND
Tel: +353 (0)1 830 2500
Fax: +353 (0)1 830 2741
Email: info@rmdkwikform.com

RMD KWIKFORM PANAMA
Tel: +507 280 0869
Email: rmd.panama@rmdkwikform.com

RMD KWIKFORM USA
Tel: +1 303 252 7000
Fax: +1 303 252 7319
Email: usa@rmdkwikform.com

Ascent-F Guided Climbing Formwork System

PRODUCT BROCHURE

www.rmdkwikform.com

Our policy is one of continuous improvement and we reserve the right to change, alter or modify any detail, design, capacity, weight, dimension or code without prior notice being given.

The arrangements of equipment shown in photographs may have been assembled by others and therefore may not reflect current best working practices or legislation requirements.

An Interserve Company