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

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.
- 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. Ascent-F has 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.
Features & Benefits

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 - 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.

**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 - 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 - Simple connection**

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

**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 (RCX10020) fixed to form face with customer nails

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

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

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

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>Hilton Tower Hotel</th>
</tr>
</thead>
<tbody>
<tr>
<td>REGION</td>
<td>Europe</td>
</tr>
<tr>
<td>STRUCTURES</td>
<td>Commercial, Leisure</td>
</tr>
</tbody>
</table>

Ascent-F Guided Climbing Formwork System
## Components

### Masts

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10001</td>
<td>Ascent Top Mast</td>
<td>64.9kg</td>
</tr>
<tr>
<td>AGX10002</td>
<td>Ascent Mast 2100mm</td>
<td>66.0kg</td>
</tr>
<tr>
<td>AGX10027</td>
<td>Ascent Half Mast 1050mm</td>
<td>34.9kg</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>

### 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>

### 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>1.1kg</td>
</tr>
</tbody>
</table>

### Wall Bracket

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10023</td>
<td>Ascent Wall Bracket</td>
<td>13.2kg</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>AGX10013</td>
<td>Ascent Formwork Rack</td>
<td>25.8kg</td>
</tr>
<tr>
<td>AGX10012</td>
<td>Ascent Formwork Trolley</td>
<td>66.0kg</td>
</tr>
<tr>
<td>AGX10010</td>
<td>Ascent Platform Beam - 2300mm</td>
<td>64.7kg</td>
</tr>
<tr>
<td>AGX10026</td>
<td>Complete Assembly</td>
<td>132.3kg</td>
</tr>
</tbody>
</table>
Ascent-F Guided Climbing Formwork System

Components

Ascent Turnbuckle

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10039</td>
<td>Ascent Turnbuckle. Range = 2100 - 3350mm</td>
<td>28.2kg</td>
</tr>
</tbody>
</table>

Platform Beam Strut

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10011</td>
<td>Platform Beam Strut</td>
<td>26.3kg</td>
</tr>
</tbody>
</table>

Bracing Tube

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10007</td>
<td>Bracing Tube 2500 x 900mm</td>
<td>9.2kg</td>
</tr>
<tr>
<td>BBX16040</td>
<td>Bolt - M16 x 40 Gr8.8</td>
<td>0.2kg</td>
</tr>
<tr>
<td>BNX00016</td>
<td>Nut - M16 Hex Gr8.8</td>
<td>0.03kg</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>

15 deg Guardrail Adaptor

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10030</td>
<td>15 deg Guardrail Adaptor</td>
<td>1.8kg</td>
</tr>
</tbody>
</table>
Components

Ascent Ladders

<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>7.6kg</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>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>

Superslim Adaptor

<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>6.20kg</td>
</tr>
</tbody>
</table>

Electronic Latch Engagement Verification System

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGX10051</td>
<td>ELEV</td>
<td>7.3kg</td>
</tr>
</tbody>
</table>

Ultraguard for Ascent

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAX10027</td>
<td>Ultraguard Ascent Guardrail Post 2350mm</td>
<td>14.1kg</td>
</tr>
<tr>
<td>SAX10028</td>
<td>Ultraguard Ascent Guardrail Post 1800mm</td>
<td>8.4kg</td>
</tr>
<tr>
<td>SAX10029</td>
<td>Ultraguard Ascent Guardrail Post 435mm</td>
<td>1.9kg</td>
</tr>
<tr>
<td>SAX10030</td>
<td>Ultraguard Ascent Stопend Rail Inner</td>
<td>3.5kg</td>
</tr>
<tr>
<td>SAX10031</td>
<td>Ultraguard Ascent Stопend Rail Outer</td>
<td>7.1kg</td>
</tr>
</tbody>
</table>
Services

Our value added services set us apart...

Consultancy & Design
Our technical sales staff will work with you to identify project requirements, analyse formwork options, planning, design and safety specifications. Early involvement ensures the best results.

Engineering Expertise
Our experienced engineering design staff will translate your requirements into cost effective formwork and shoring design solutions, tailored to the exacting needs of the project. By combining our designers knowledge, flair and experience of the capabilities of our equipment range, the systems we design are innovative, practical and cost effective.

Technological Advancements
RMD Kwikform is proud to be leading the way in the development of technological support. Integrating 3D CAD design throughout the business, coupled with in house design programs specifically for RMD Kwikform products, our customers can now benefit from seeing their vision come to life. We can translate complicated requirements quickly and easily.

On Site Technical Assistance
Trained Site Assistance Technicians can be on hand to provide practical guidance on how best to utilise our equipment in a safe and efficient manner, as well as provide solutions for required design variations due to on site conditions.

Equipment Availability
With dedicated equipment storage yards throughout the Middle East, RMD Kwikform can respond quickly and easily to our customers requirements. With access to the extensive regional network, our customers are able to benefit from availability, flexible delivery and improved equipment storage. A high quality fleet, delivered when its needed, on time, in full.

Live Demonstrations & Training Facilities
RMD Kwikform Middle East is able to provide customers with product demonstrations, allowing a more detailed understanding of the benefits our equipment can provide. We also offer hands-on practical training in the safe and efficient use of our products, undertaken either at our demonstration facilities or on our customers site ensuring they have all the knowledge they need to work safely with our equipment on site.
# Contacts

## RMD KWIKFORM UAE

**SHARJAH OFFICE**  
PO Box 5801, Sharjah, UAE  
Tel: +971 6 553 4173  
Fax: +971 6 553 4327  
Email: rmd.uae@rmdkwikform.com

**ABU DHABI OFFICE**  
PO Box 106405, Abu Dhabi, UAE  
Tel: +971 2 550 2383  
Fax: +971 2 550 2384  
Email: rmd.uae@rmdkwikform.com

**DUBAI OFFICE**  
PO Box 115480, Dubai, UAE  
Tel: +971 4 885 0707  
Fax: +971 4 885 6141  
Email: rmd.uae@rmdkwikform.com

## WORLDWIDE CONTACTS

**RMD KWIKFORM UNITED KINGDOM**  
Tel: +44 1922 743743  
Email: info@rmdkwikform.com

**RMD KWIKFORM HONG KONG**  
Tel: +852 2415 4882  
Fax: +852 2745 0232  
Email: rmd.hongkong@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 AUSTRALIA**  
Tel: +61 (08) 8179 8200  
Fax: +61 (08) 8179 8201  
Email: rmd.australia@rmdformwork.com

**RMD KWIKFORM ASIA PACIFIC**  
Tel: +63 917 5286760  
Email: hamish.bowden@rmdkwikform.com

**RMD KWIKFORM BAHRAIN**  
Tel: +973 1738 2724  
Fax: +973 1738 2924  
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 DBME**  
Tel: +973 1738 2724  
Fax: +973 1738 2624  
Email: rmd.me@rmdkwikform.com

**RMD KWIKFORM NEW ZEALAND**  
Tel: +64 9 259 0353  
Email: rmd.auckland@rmdkwikform.com

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

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

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

**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