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 in mind.

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

**PROJECT**
Hilton Tower Hotel

**REGION**
Europe

**STRUCTURES**
Commercial, Leisure
Components

Masts

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<tr>
<th>Code</th>
<th>Description</th>
<th>Weight</th>
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<tr>
<td>AGX10001</td>
<td>Ascent Top Mast</td>
<td>64.9kg</td>
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<tr>
<td>AGX10002</td>
<td>Ascent Mast 2100mm</td>
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<tr>
<td>AGX10027</td>
<td>Ascent Half Mast 1050mm</td>
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Anchor Screw

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<th>Code</th>
<th>Description</th>
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<tr>
<td>HTX20005</td>
<td>Ascent Anchor Screw</td>
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Latch

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<tr>
<td>AGX10022</td>
<td>Ascent Latch</td>
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Wall Bracket

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<td>AGX10023</td>
<td>Ascent Wall Bracket</td>
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Anchor Plate

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<td>AGX10028</td>
<td>Ascent Anchor Plate</td>
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Ascent Rack & Trolley Assembly

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<tr>
<td>AGX10013</td>
<td>Ascent Formwork Rack</td>
<td>25.8kg</td>
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<td>AGX10012</td>
<td>Ascent Formwork Trolley</td>
<td>66.0kg</td>
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<td>AGX10010</td>
<td>Ascent Platform Beam - 2300mm</td>
<td>64.7kg</td>
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<tr>
<td>AGX10026</td>
<td>Complete Assembly</td>
<td>132.3kg</td>
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Ascent-F Guided Climbing Formwork System

Components

Ascent Turnbuckle

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<tr>
<td>AGX10039</td>
<td>Ascent Turnbuckle. Range = 2100 - 3350mm</td>
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Platform Beam Strut

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<td>AGX10011</td>
<td>Platform Beam Strut</td>
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Bracing Tube

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<tr>
<td>AGX10007</td>
<td>Bracing Tube 2500 x 900mm</td>
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<td>BBX16040</td>
<td>Bolt - M16 x 40 Gr8.8</td>
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<td>BNX00016</td>
<td>Nut - M16 Hex Gr8.8</td>
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Angled Superslim Soldier

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<tr>
<td>SSX10050</td>
<td>Superslim Soldier 400mm x 15 deg</td>
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15 deg Guardrail Adaptor

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<tr>
<td>AGX10030</td>
<td>15 deg Guardrail Adaptor</td>
<td>1.8kg</td>
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Components

Ascent Ladders

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<tr>
<td>AGX10032</td>
<td>Ascent Vertical Ladder Bracket</td>
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<tr>
<td>AGX10033</td>
<td>Ascent Inclined Ladder Bracket</td>
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<tr>
<td>AGX10034</td>
<td>Ascent Formwork Ladder 4000mm</td>
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<tr>
<td>AGX10041</td>
<td>Ascent Formwork Ladder 6700mm</td>
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<tr>
<td>MXX80008</td>
<td>300mm Hoop Section</td>
<td>7.0kg</td>
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<tr>
<td>MXX80009</td>
<td>600mm Hoop Section</td>
<td>9.0kg</td>
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<tr>
<td>MXX80010</td>
<td>1500mm Hoop Section</td>
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Superslim Adaptor

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<tr>
<td>AGX10025</td>
<td>Ascent Superslim Adaptor</td>
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Electronic Latch Engagement Verification System

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<tr>
<td>AGX10051</td>
<td>ELEV</td>
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Ultraguard for Ascent

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<tr>
<td>SAX10027</td>
<td>Ultraguard Ascent Guardrail Post 2350mm</td>
<td>14.1kg</td>
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<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>
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<tr>
<td>SAX10030</td>
<td>Ultraguard Ascent Stoped Rail Inner</td>
<td>3.5kg</td>
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<tr>
<td>SAX10031</td>
<td>Ultraguard Ascent Stoped Rail Outer</td>
<td>7.1kg</td>
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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.
Ascent-F Guided Climbing Formwork System

Contacts

RMD KWIKFORM QATAR

DOHA OFFICE
PO Box 405, Building No. 146, Zone No. 40, Al Muntazah Street,
Doha, Qatar
Tel: +974 4465 3034
Fax: +974 4465 3282
Email: rmd.qatar@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 AUSTRALIA
Tel: +61 (08) 8179 8200
Fax: +61 (08) 8179 8201
Email: rmd.australia@rmdformwork.com

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

RMD KWIKFORM BAHRAIN
Tel: +973 1738 2724
Fax: +973 1738 2524
Email: rmd.bahrain@rmdkwikform.com

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

RMD KWIKFORM AUSTRALIA
Tel: +63 917 5266760
Fax: +63 917 5266760
Email: hamish.bowden@rmdkwikform.com

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

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

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

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

RMD KWIKFORM SPAIN
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 UAE
Tel: +971 12 004 1000
Email: info.sa@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

RMD KWIKFORM BAHRAIN
Tel: +973 1738 2724
Fax: +973 1738 2524
Email: rmd.bahrain@rmdkwikform.com

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

The arrangements of equipment shown in photographs may have been assembled by others and therefore not reflect current landing, working, safety or site legislation requirements.

An Interserve Company