

R·M·D
KWIKFORM

Bringing
structures
to life



PRODUCT BROCHURE

Megashor

RMD Kwikform South Africa

Megashor An ultra high-duty modular propping system



Product Overview

Megashor is an ultra high-duty modular propping system designed for axial loads of up to 1000kN. But its real strength lies in its versatility. From heavy lifting towers to travellers for tunnel formwork, bracing for excavations, shoring and trusses, Megashor can be configured for a huge variety of applications.

Faster

- Manufactured using close-tolerance jigs - ensures consistent and accurate fabrication - Excellent assembly alignment on site, saving time, onsite modifications and labour costs
- Huge strength capability of Megashor means fewer components are needed and assembly time can be reduced, saving time and money

Easier

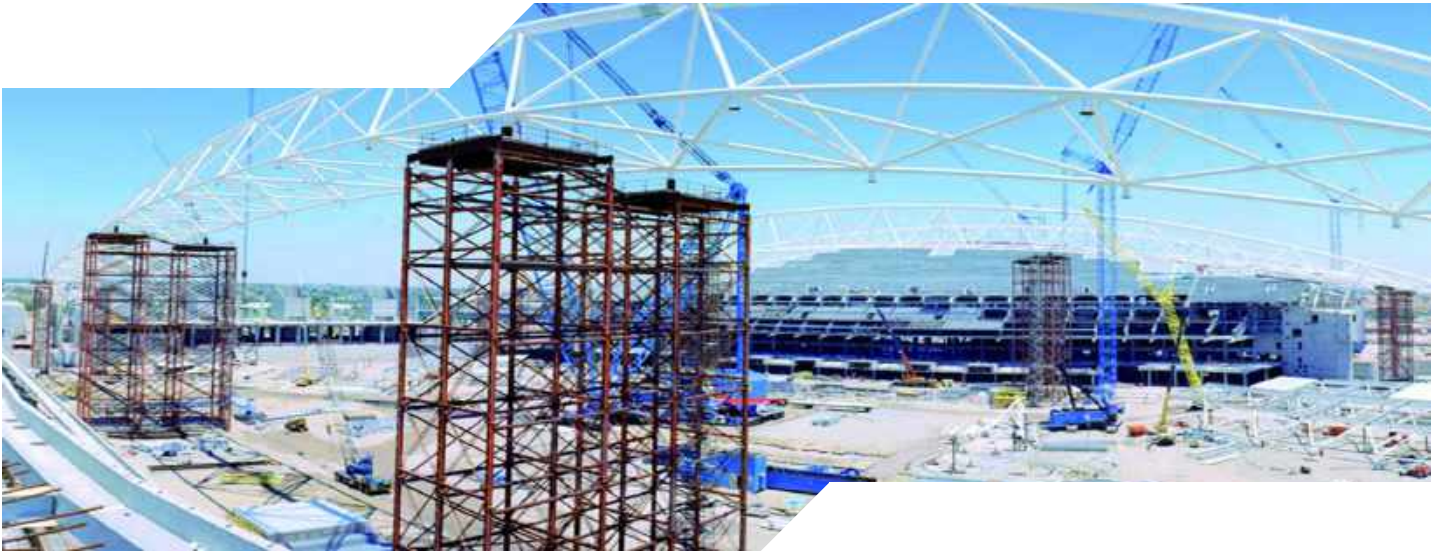
- Eight strut sizes, from 15mm to 5400mm, plus a full range of accessories - can be assembled into props, towers and trusses of almost any length, all from standard components.
- Our Superslim soldiers provide restraint to Megashor and are available in nine lengths from 10mm to 3600mm. Gives flexibility when planning the sizes of towers and centres of props - minimises the need for custom made equipment.

Safer

- Massive 1000kN axial load capacity and high axial stiffness - Megashor will accommodate the rigours of heavy-duty falsework, cofferdams, bridge bearing replacement and façade retention applications.
- Megashor is approved for support of bridges open to live traffic - bridge bearing replacement work can be carried out with minimum disruption to traffic flows.
- Comprehensive range of accessories
- Bracing options include fixed and adjustable steel flats, rapid bar tie, RMD Kwikform Slimshor and tubular struts



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Applications

Megashor - an incredibly versatile, ultra high-duty modular propping system designed for axial loads of up to 1000kN

- Heavy duty falsework
- Cofferdams
- Bridge launching
- Bearing replacement
- Facade retention
- Travelling slab and tunnel formwork
- Excavation support



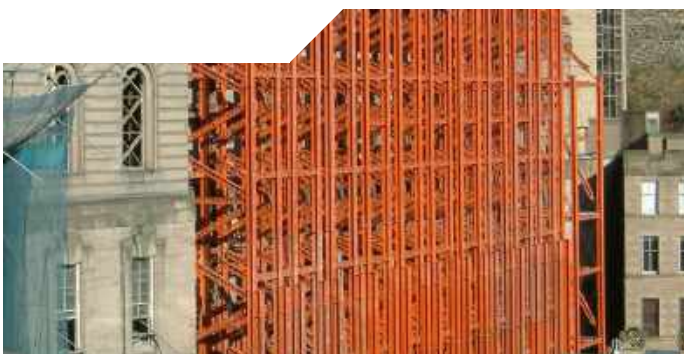
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Features & Benefits

Megashor can be assembled into many configurations including props, heavy lifting towers, frames and trusses.

- **Comprehensive range of sizes**
 Eight strut sizes, ranging from 15mm to 5400mm, plus a full range of accessories - Megashor can be assembled into props, towers and trusses of almost any length, all from standard components.
- **Heavy duty**
 Massive 1000kN axial load capacity and high axial stiffness - Megashor will accommodate the rigours of heavy-duty falsework, cofferdams, bridge bearing replacement and façade retention applications.
- **Megashor is approved for support of bridges open to live traffic**
 Bridge bearing replacement work can be carried out with minimum disruption to traffic flows.
- **Global logistics chain**
 when and wherever you need it a rapid response can be assured.
- **Complimented by RMD Kwikform's Superslim range**
 RMD Kwikform Superslim soldiers provide restraint to Megashor and are available in nine lengths from 10mm to 3600mm. This gives ultimate flexibility when planning the sizes of towers and centres of props - minimises the need for custom made equipment.
- **Quality assured manufacturing**
 Ensures consistent and accurate fabrication.



Megashor An ultra high-duty modular propping system



In Detail

Easy To Use

Multiple Sizes

Megashor is manufactured in eight lengths, 5400, 2700, 1800, 900, 450, 270, 90 and 15mm so a prop of any length can be created.



Compatibility

Superslim Soldier ledgers are available in nine lengths, 3600, 2700, 1800, 900, 720, 540, 360, 90, 10mm. allowing a tower with almost any plan dimensions can be constructed.

Quality

Megashor is manufactured from two 6mm thick pressed steel channels spaced 110mm apart, with steel batten plates welded to the flanges at 900mm centres along the length of each side of Megashor shaft.



Simple

A 15mm thick end plate is welded to each end of Megashor leg, forming an overall section of 290 x 280 mm. These end plates have six 22mm holes, which are used to bolt the Megashor legs end to end, using 4 or 6 M20 x 60 bolts and nuts.



Integration

Along the length of each channel, is a regular arrangement of 21mm \varnothing punched holes for fixing bracing members to. At 900mm centres, in both the batten plates and pressed channels are twin 18mm \varnothing holes, into which Superslim Soldiers are bolted.



Added Strength

Superslims are used as lateral restraint members and form the equipment into square or rectangular towers and grids. Either single or a combination of support towers can be formed in this way. Superslim Soldiers are bolted at node points using 2 M16 x 40 Grade 8.8 bolts and nuts.



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In Detail

Fast & Efficient



Options

Bracing options include fixed and adjustable steel flats, rapid bar tie, RMD Kwikform Slimshor and tubular struts.



Megaprop

Using frames Megashor leg sections can be combined into composites of 2, 3, 4, 6, 8, and 9 "Megaprops" capable of supporting even higher loads.

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Projects



PROJECT
A316 Country Way Viaduct,
Hounslow

REGION
Europe

STRUCTURES
Bridges



PROJECT
Aberdeen's Marischal College
Conversion

REGION
Europe

STRUCTURES
Repair Maintenance and
Improvement



PROJECT
Birmingham New Street
Station

REGION
Europe

STRUCTURES
Rail



PROJECT
Cadagua Link, Spain

REGION
Europe

STRUCTURES
Bridges, Viaducts



PROJECT
Choi Wan Road

REGION
Far East

STRUCTURES
Bridges



PROJECT
Dubai Metro

REGION
MENA

STRUCTURES
Rail

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Components

Megashor Hydraulic Unit



Code	Description	Weight
MSX10017	Megashor Hydraulic Unit AWL = 550kN - 1000kN depending on extension	131.5kg

Megashor Legs



Code	Description	Weight
MSX10090	Megashor Leg 90mm	21.7kg
MSX10270	Megashor Leg 270mm	29.92kg
MSX10450	Megashor Leg 450mm	44.58kg
MSX10900	Megashor Leg 900mm	64.62kg
MSX11800	Megashor Leg 1800mm	111.9kg
MSX12700	Megashor Leg 2700mm	159.18kg
MSX14500	Megashor Leg 4500mm	253.7kg
MSX15400	Megashor Leg 5400mm	301.54kg
MSX10012	Megashor End Plate	9.4kg

Megashor Fixed & Adjustable Braces



Code	Description	Weight
MSU10001	Flate Brace 60 x 8mm alteration	-
MSX10003	Flat Brace 60 x 8mm per metre	4.0kg
MSX10005	Vernier Braces Long Outer Galv	11.5kg
MSX10006	Vernier Baraces Long Inner Galv	11.0kg
MSX10033	Vernier Braces Short Inner Galv	5.31kg
MSX10034	Vernier Braces Short Outer Galv	7.59kg
MSU10003	Megashor Plan Brace Cleat AWL - when attached to Megashor leg = 40kN (80kN per pair)	14.5kg

Components

Megashor Rocking Head



Code	Description	Weight
MSX10026	Megashor Rocking Head 180mm	46.12kg

Enables Megashor shafts to be connected to header beams at angles up to 45 degrees.

Megashor Screw Jack



Code	Description	Weight
MSX10011	Megashor Jack 410 - 620mm	59.1kg

AWL - 550kN - 1000kN depending on extension.

Superslim Soldier Beams



Code	Description	Weight
SSX13600	Superslim Soldier 3600mm	72.18kg
SSX12700	Superslim Soldier 2700mm	55.38kg
SSX11800	Superslim Soldier 1800mm	38.80kg
SSX10900	Superslim Soldier 900mm	22.00kg
SSX10720	Superslim Soldier 720mm	18.74kg
SSX10540	Superslim Soldier 540mm	15.24kg
SSX10360	Superslim Soldier 360mm	11.98kg
SSX10090	Superslim Soldier 90mm	7.32kg
SSU10035	Superslim Soldier - Open End 360mm	11.69kg
SSX10040	End Plate 10mm	2.91kg

Components

Nuts & Bolts



Code	Description	Weight
BNU16001	M16 Hexagon Pltd	0.03kg
BNX16002	M16 x 40 HT Gr 8.8	0.1kg
BNU20005	M20 x 40 Gr 8.8	0.27kg
BNU12009	M12x40 Gr 8.8 Pltd	0.2kg
BNU20011	M20 x 60 Gr 8.8	0.28kg

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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 straight forward 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.



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