



Bringing
structures
to life



PRODUCT BROCHURE

Rapidshor

RMD Kwikform South Africa

Rapidshor A heavy duty galvanised modular steel shoring system



Product Overview

Rapidshor is a heavy duty galvanised modular steel shoring system with a robust design. Ease of assembly, low cost in use and an extensive range of accessories make it the premier choice in modular shoring.

Faster

- Modular design with minimized component count
- Easy and quick to erect, accommodating sloping ground and varying slab levels
- Regular patterns of snap on braces reduces both erection and inspection costs and compresses site programme time

Safer

- Light but strong - 60.3mm dia high grade steel standards and 48mm diameter jackets increase the strength to weight ratio and allow greater jack extensions without bracing

Easier

- Uniquely designed ledgers with locking wedge enables easy fixing onto leg cluster
- Accommodating slopes - tilting head and bases - eliminate the need for the use of timber wedges to overcome sloping ground and elevated slabs
- Low maintenance and long life - galvanised finish - eliminates corrosion, minimises maintenance and extends the lifetime of the system
- High leg capacity up to 80kN saves material and labour costs, with reductions in the number of foundations and formwork primary beams



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Applications

Rapidshor's modular bay sizes, wedge fixings and snap on braces make it highly cost effective for:

- Tall birdcage or tower assemblies
- Static slab support
- Heavy duty support
- Culvert and tunnel falsework
- Mobile falsework tables
- Turbine pedestals
- Water tank falsework support
- Commercial and retail building applications



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Features & Benefits

Modular system ensuring no loose parts or fittings for maximum cost efficiency and safety.

- **Cost reducing design**

High capacity (80kN leg and 320kN four legged tower loads) dramatically reduces the number of components and associated erection and dismantling costs.

- **Tilting heads and bases**

Mean that sloping slabs and ground levels are easily accommodated without the use of wedges, resulting in time and material savings and leading to lower costs.

- **Curved grids**

Grids can easily be skewered for curved structures with 8 ledger connections at 45 degrees which means a reduced number of parts compared to a square grid arrangement.

- **Lightweight galvanised design**

With a maximum weight of 13.5kg Rapidshor's design minimises maintenance, eliminates corrosion and assures the integrity of the product for life.

- **48mm diameter jack with 500mm of adjustment**

The stiffer Rapidshor jacks have far greater adjustment without bracing than most competitor systems leading to reductions in material, erection time and costs.

- **Quality assured manufacture in close tolerance jigs**

Accuracy in fabrication leads to ease of assembly on site. Assured quality guarantees the strength of the material and its fabrication.



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In Detail

Easy to use



80 kN leg loading

The Rapidshor support system has been designed to give a leg loading of 80kN. This has been achieved by using 60.3mm tube for vertical, using high strength lightweight steel, with 48mm adjustable bases and head jacks. Parts are plated or galvanised for protection.



Versatile

Each size of standard has lug cluster discs fully welded at 500mm increments along their length, symmetrically from each end. This means that the open-ended standards can be erected either way.



A range of lengths

Two spigot standard lengths 1500mm and 2500mm, and four open-ended standard lengths 1000mm, 1500mm, 2000mm and 2500mm.



Tilting heads & bases

Tilts up to 30 degrees this eliminates the need for the use of timber wedges to overcome sloping ground and elevated slabs.



Adjustable jack

Manufactured from 48.3 x 5mm thick high-grade steel tube with a modified acme rolled thread, giving a range of adjustment from 25mm - 540mm.



Quick & easy standard braces

Fixed length with plated forged brace ends pressed onto the brace tube at each end. Each brace end has a machined bull nosed stud welded onto it with a shoulder for positive locking action against the catch of the ledger.

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In Detail

Fast & Efficient



Rapidshor ledger

Four standard sizes of ledger available, 1200mm, 1500mm, 1800mm and 2400mm, with an additional three sizes that can be used in the system for more special applications such as vehicular access.



Stair tower

Standard design stair tower facilitates quick and easy access to the shoring solution.



Multi purpose u-head

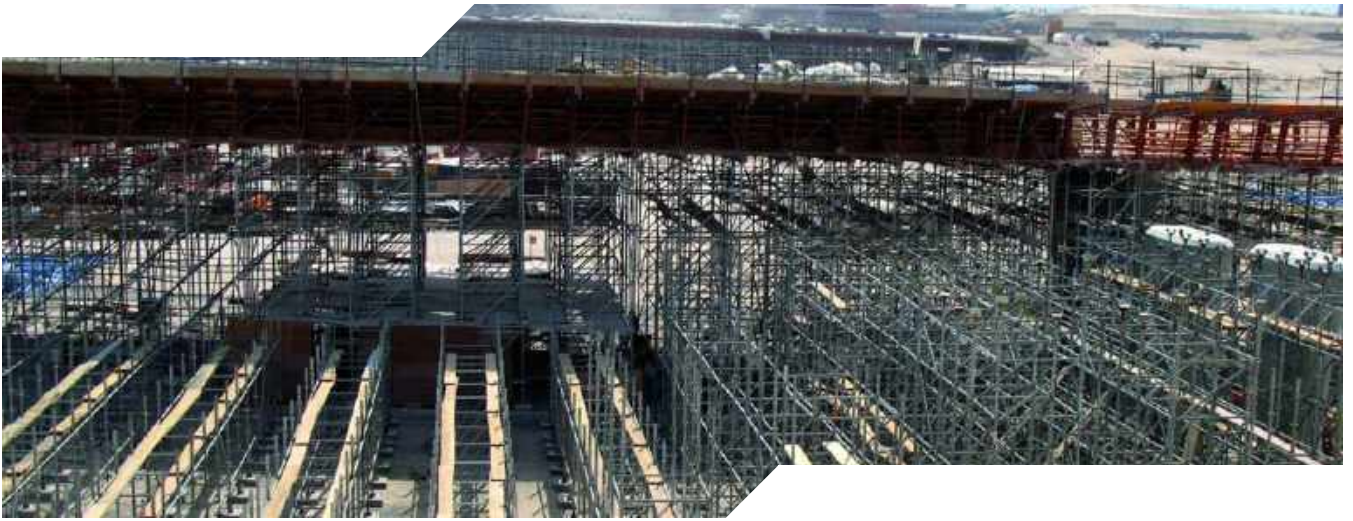
U-head that accommodates a variety of different primary bearers including RMD Kwikform Superslim soldiers.



Long & short adjustable braces

Two adjustable braces available for bracing the adjustable bases and 'U' heads. Locating studs incorporate a key which locates and fixes through the base bracing plate keyed holes, Eliminating expensive, time consuming tube and fittings.

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Project References



PROJECT
Jebel Ali Sewage Treatment Plant

REGION
MENA

STRUCTURES
Industrial



PROJECT
Tata Steel, Port Talbot

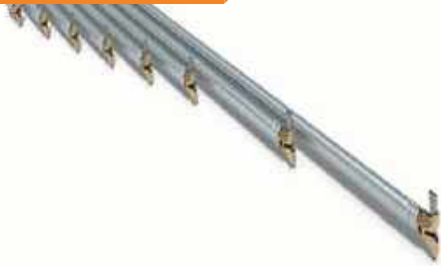
REGION
Europe

STRUTCURES
Commercial, Industrial

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Components

Rapidshor Ledgers



Code	Description	Weight
RSX23000	Rapidshor Ledger 3000mm	11.8kg
RSX22400	Rapidshor Ledger 2400mm	9.63kg
RSX21800	Rapidshor Ledger 1800mm	7.49kg
RSX21500	Rapidshor Ledger 1500mm	6.43kg
RSX21200	Rapidshor Ledger 1200mm	5.36kg
RSX20900	Rapidshor Ledger 900mm	4.29kg
RSX20600	Rapidshor Ledger 600mm	3.22kg
RSX20300	Rapidshor Ledger 300mm	2.16kg

Heads



Code	Description	Weight
RSX10003	Rapidshor Brace U-Head 182mm	6.65kg
RSX10007	Rapidshor Tilt Head 182mm wide	13.1kg
RSC10008	Rapidshor U-Plate 182mm wide	5.31kg
RSX10001	Rapidshor U-Plate 220mm wide	5.73kg

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Components

Rapidshor Standards



Code	Description	Weight
RSX11500	Rapidshor Standard 1500mm	8.32kg
RSX12500	Rapidshor Standard 2500mm	15.1kg
RSX41000	Rapidshor Standard OE 1000mm	5.39kg
RSX41500	Rapidshor Standard OE 1500mm	8.02kg
RSX42000	Rapidshor Standard OE 2000mm	10.8kg
RSX42500	Rapidshor Standard OE 2500mm	13.5kg
RSX10005	Rapidshor Joint Sleeve 300mm	1.53kg
RSX10010	Rapidshor Joint Sleeve 216mm	1.14kg
RSX10009	Rapidshor Sleeve Clip	0.09kg

Rapidshor Adjustable Jack



Code	Description	Weight
RSX10004	Rapidshor Jack 25 - 540mm	6.12kg

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Components

Adjustable Braces



Code	Description	Weight
RSX30003	Rapidshor Brace - Super Short	6.42kg
RSX30002	Rapidshor Brace - Short Adjustable	8.09kg
RSX30001	Rapidshor Brace - Long Adjustable	11.4kg

Adjustable Braces: AWL 6.25kN in tension or compression

Clamps



Code	Description	Weight
AFX20017	Wedge Clamp Assembly	0.23kg
ALX10002	Flange to Flange Wedge Clamp	0.5kg
ALX10001	Universal Clamp	0.73kg

Rapidshor Base & Tilt Collection

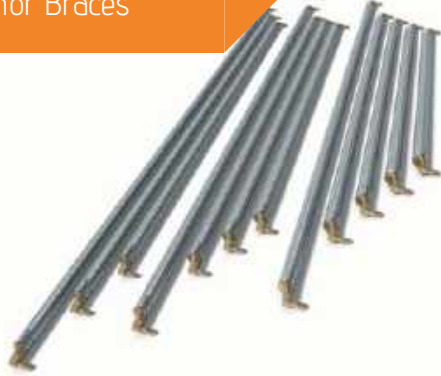


Code	Description	Weight
RSX10002	Rapidshor Base 165mm	3.08kg
RSX10006	Rapidshor Tilt Base	7.65kg

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Components

Rapidshor Braces



Code	Description	Weight
RSX31009	Rapidshor Brace 1000 x 900mm	4.85kg
RSX31012	Rapidshor Brace 1000 x 1200mm	5.43kg
RSX31018	Rapidshor Brace 1000 x 1500mm	6.11kg
RSX31024	Rapidshor Brace 1000 x 1800mm	7.98kg
RSX31024	Rapidshor Brace 1000 x 2400mm	9.88kg
RSX31512	Rapidshor Brace 1500 x 900mm	6.11kg
RSX31518	Rapidshor Brace 1500 x 1200mm	6.55kg
RSX31515	Rapidshor Brace 1500 x 1500mm	9.31kg
RSX31518	Rapidshor Brace 1500 x 1800mm	9.06kg
RSX31524	Rapidshor Brace 1500 x 2400mm	12.9kg
RSX32012	Rapidshor Brace 2000 x 1200mm	9.17kg
RSX32015	Rapidshor Brace 2000 x 1500mm	7.51kg
RSX32018	Rapidshor Brace 2000 x 1800mm	12.4kg
RSX32024	Rapidshor Brace 2000 x 2400mm	14.2kg

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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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