



Company Profile

rms-sa.co.za



**Reinforcing &
Mesh Solutions**
CREATING SOLUTIONS TOGETHER

WHO WE ARE

Reinforcing South Africa, One Project at a Time

Reinforcing & Mesh Solutions (RMS) is one of South Africa's most established suppliers of reinforcing steel and welded mesh for the construction industry. Founded in 2002, RMS has spent more than two decades delivering reinforcing solutions to structural, civil, mining, and commercial projects nationwide.

With a national footprint of 9 branches and over 300,000 projects completed, we are trusted by contractors, developers, and engineers alike to deliver precision steel reinforcement at scale. RMS is more than a product supplier — we are a performance partner committed to safety, reliability, and project success.

We combine best-practice manufacturing with industry expertise to deliver cut-and-bend reinforcing steel (rebar), welded mesh, prefabricated cages, reinforcing bar couplers, and the installation of reinforcing steel services across Southern Africa. From urban high-rises to remote energy infrastructure, RMS helps reinforce what matters — and build a stronger future for all.

MISSION

To deliver world-class reinforcing steel and welded mesh solutions that strengthen structures and communities across Southern Africa — through service excellence, technical innovation, and trusted partnerships with our clients.

VISION

To be South Africa's leading rebar company by investing in technology, empowering our people, and driving better construction outcomes nationwide.



THE RMS ADVANTAGE

Performance you can trust.
Support you can build on.

At RMS, we are more than a steel supplier — we are a strategic partner to the construction industry. Our strength lies in the precision of our processes, the scale of our national network, and the reliability of our end-to-end service.

Global Engineering Partnership

Through our sister company, VSL Construction Solutions, RMS provides clients with access to internationally recognised systems for post-tensioning, bridge bearings, and heavy lifting. VSL is a Swiss-headquartered leader in engineered construction technologies, with over 50 years of global excellence. This group alignment enables RMS to deliver specialised systems, engineering support, and cost-effective innovation tailored to the South African market.

Quality You Can Count On

All RMS products meet SANS specifications. Our facilities operate in compliance with DQS and ISO 9001, 14001, and 45001 standards, with strict quality control, full traceability, and batch certification to provide peace of mind on every delivery.



**B-BBEE
LEVEL 1
CONTRIBUTOR**



ISO 9001 • ISO 45001
ISO 14001
CERTIFIED

Nationwide Capacity

With 9 branches across South Africa, RMS combines local service with national reach. Our in-house logistics network and regional stockyards ensure that no site is out of range — and no deadline out of reach.

End-to-End Support

We do more than cut and bend reinforcing steel. RMS provides complete support to ensure project success, including on-site fixing teams, site supervisors, reinforcing bars couplers, and Just-in-Time (JIT) delivery services.

Our experienced site supervisors work closely with engineers and contractors, offering expert advice that helps prevent delays and ensures efficient execution on site. We integrate seamlessly with your operations to save time, reduce risk, and keep your project on track.

Proven Performance

RMS is trusted by leading contractors in commercial, mining, infrastructure, and civil sectors. Our ability to deliver volume, complexity, and custom solutions makes us a preferred partner across the industry.



OUR PRODUCTS & SERVICES AT A GLANCE

RMS offers a comprehensive range of steel reinforcement solutions — from precision-fabricated rebar and welded mesh to advanced installation services and site support. Explore our full offering below.

OUR PRODUCTS



Reinforcing Steel

Cut and bend or stock lengths for every structural need.



Welded Mesh Reinforcement

Strong, reliable mesh for slabs and walls.



Piling Cages & Pre-Assembled Rebar

Engineered cage assemblies for faster site installation.



Reinforcing Bar Couplers

Secure connections with efficient rebar couplers.



Concrete Reinforcing Accessories

Binding wire, chair spacers, brickforce, and more - all in stock.

OUR SERVICES



Steel Fixing

On-site placement of reinforcing steel by trained RMS teams.



Remote Support

Comprehensive coordination for remote and cross-border construction projects, including logistics and delivery planning.



On-Site Production

Deployment of temporary plant facilities for site-based rebar fabrication and supply.

OUR PRODUCTS

REINFORCING STEEL

For every structural need

RMS supplies high-quality reinforcing steel in both cut-and-bend and standard stock lengths to meet the needs of any project.

All cutting and bending operations comply with the South African standard SANS 282:2011 Edition 6, using approved bending schedules and shape codes to ensure precision and consistency.

We stock rebar grades ranging from 250MPa to 500MPa, with routine quality checks to confirm compliance with local and international standards, as well as your specific project requirements.

Our comprehensive service includes cut-and-bend steel and stock lengths for local sites, while stock lengths can also be exported across Southern Africa, ensuring a reliable supply for both urban centres and remote locations.

- **Cut-and-Bend Steel:** Delivered ready to install according to your bending schedules, saving time and reducing waste on site.
- **Stock Lengths:** Supplied locally for flexible on-site fabrication and exported throughout Southern Africa for wider project reach.

Client Engagement

Cut-and-bend orders require clients to submit detailed bending schedules. This option is ideal for projects that need ready-to-install steel, saving time on site. Stock lengths are suited to clients who prefer to manage cutting and bending themselves or need more flexibility during installation.

Lead Times

Lead times for cut-and-bend steel depend on production scheduling and the complexity of the order, but we work to deliver within agreed time frames. Stock lengths, subject to inventory availability, can often be supplied with shorter lead times. Our team coordinates closely with clients to ensure timely delivery, regardless of order size or project urgency.

Order Quantities

Cut-and-bend orders may have minimum quantity requirements due to production setup and handling. Stock lengths offer greater flexibility and can be supplied in small or bulk quantities, depending on client needs and inventory availability. Our factories are equipped to handle orders of any size, with lead times managed to meet customer requirements efficiently.

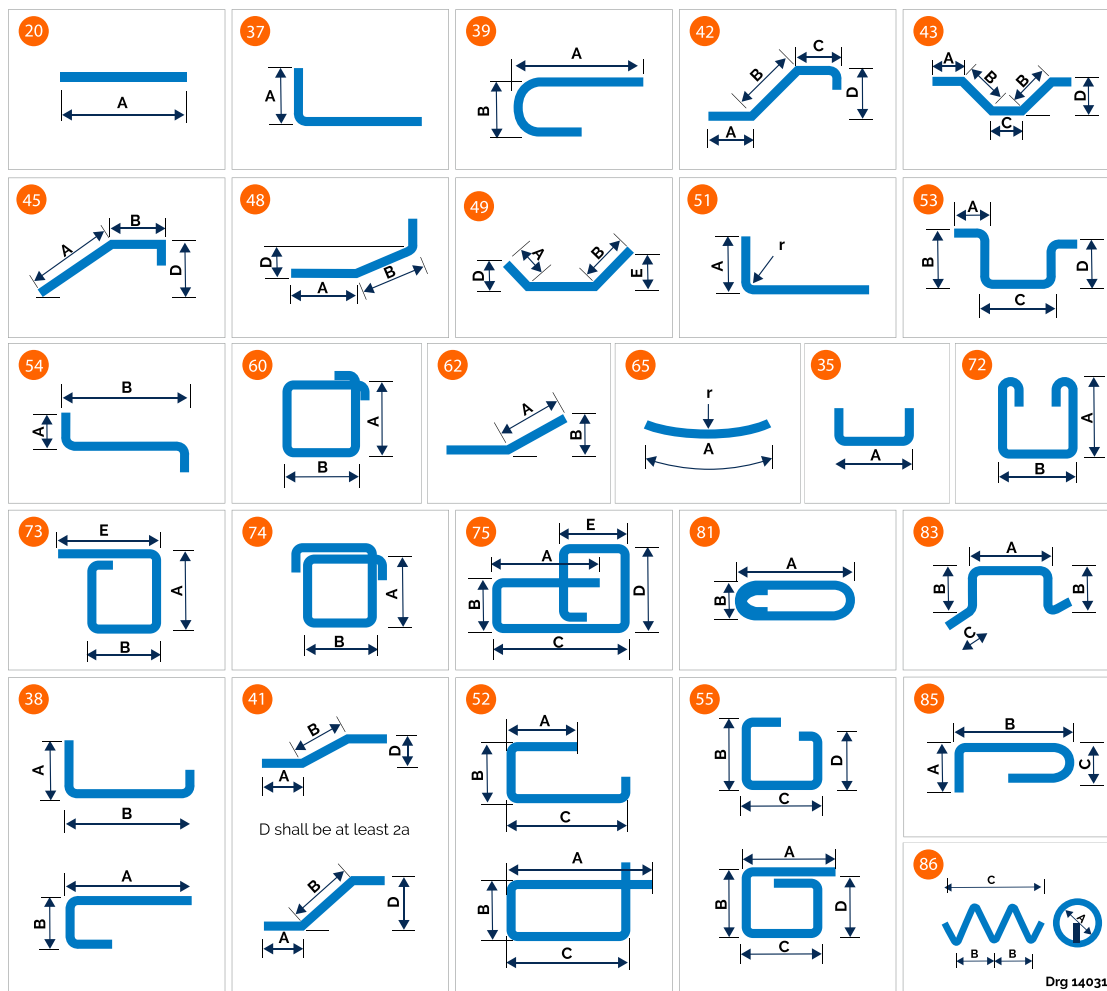


Technical:

Diameter	Area m ²	Mass Weight P/M	Coils Available	Straights Available
Y6/R6	28.3	0.222		✓
Y8/R8	50.3	0.695	✓	✓
Y10/R10	78.5	0.617	✓	✓
Y12/R12	113	0.888	✓	✓
Y16/R16	201	1.58	✓	✓
Y20/R20	314	2.47		✓
Y25/R25	491	3.85		✓
Y32/R32	802	6.31		✓
Y40/R40	1260	9.86		On Request

All Shapes Codes:

Shape codes 32, 33, 34, and 35 have been removed, as their functions are now adequately covered by other existing codes. This update brings South African shape codes in line with British standards

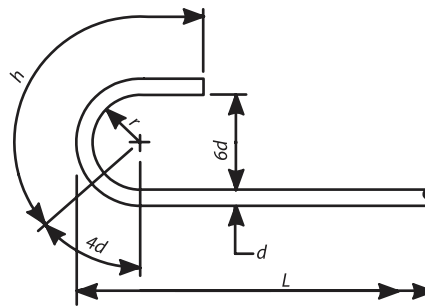


Cutting & Bending Tolerances

Critical Radii

Nominal Size of Bar (mm)	Critical Radius (m)
8	2.5
10	3
12	3.5
16	5
20	7
25	17
32	43

Hook Allowance



Cutting length of bar equals $L + h$



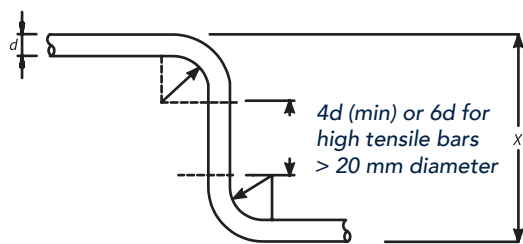
Method of Farming	Length (mm)	Tolerance (mm)
Cutting Straight Lengths		+25

Method of Farming	Length (mm)	Tolerance (mm)
Bending	<1000 mm	+5
	>1000 mm 2000 mm	+5 -10
	>2000 mm	+5 -25

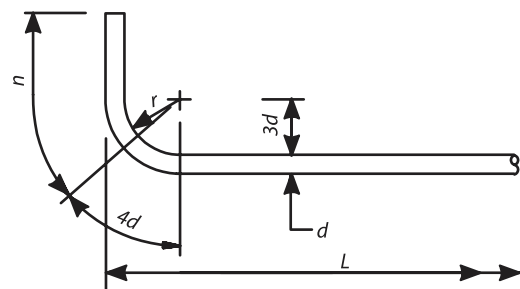
Hook, Bend, and Radius Allowances

For high-yield and cold-worked steel bars in compliance with SANS 920

Nominal Size of Bar	d	6	8	10	12	16	20	25	32	40
Hook Allowance	h	100	100	100	100	100	100	100	100	100
Bend Allowance	n	100	100	100	100	100	100	100	100	100
Radius	r	18	24	30	36	48	60	75	96	120



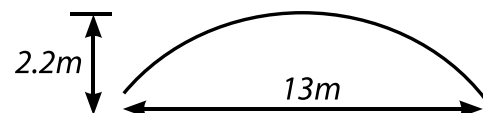
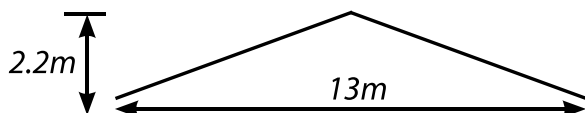
Example of bar with more than one bend



Cutting length of bar equals $L + h$

Transportation

For transportation purposes, bars should not exceed the following:



Design & Detailing Criteria

Bar Spacing and Sectional Areas per Metre

Diam	Each	Spacing of Bars (mm)											
mm	mm ²	50	75	80	100	125	150	175	200	225	250	275	300
8	50.3	1010	671	628	503	402	335	287	252	223	201	183	167
10	78.5	1570	1046	982	785	628	523	448	393	349	314	285	261
12	113.0	2260	1506	1414	1130	904	753	645	565	502	452	410	376
16	201.0	4020	2679	2512	2010	1608	1339	1148	1005	892	804	730	669
20	314.0	6280	4186	3927	3140	2512	2091	1793	1570	1394	1256	1140	1046
25	491.0	9820	6544	6136	4910	3928	3270	2804	2455	2180	1964	1782	1635
32	804.0	16100	10717	10050	8040	6432	5355	4591	4020	3570	3216	2919	2677
40	1260.0	25100	16796	15700	12600	10080	8392	7195	6300	5594	5040	4574	4198

Diam	Each	Mass / Metre	Bar Spacing (mm)									
mm	mm ²	Mass (kg/m)	75	100	125	150	175	200	225	250	275	300
8	50.3	0.395	5.261	3.946	3.157	2.631	2.255	1.973	1.754	1.578	1.435	1.315
10	78.5	0.617	8.22	6.165	4.932	4.11	3.523	3.083	2.74	2.466	2.242	2.055
12	113.0	0.888	11.84	8.878	7.103	5.919	5.073	4.439	3.946	3.551	3.228	2.959
16	201.0	1.58	21.04	15.78	12.63	10.52	9.02	7.89	7.02	6.31	5.74	5.26
20	314.0	2.47	32.88	24.66	19.73	16.44	14.09	12.33	10.96	9.87	8.97	8.22
25	491.0	3.85	51.38	38.53	30.83	25.69	22.2	19.27	17.13	15.14	14.01	12.84
32	804.0	6.31	84.18	63.13	50.51	42.09	36.08	31.57	28.03	25.25	22.96	21.04
40	1260.0	9.86	131.5	98.65	78.92	65.76	56.37	49.32	43.84	39.46	35.87	32.88

Standard Material Specifications

Grade	Letter Code	8	10	12	16	20	25	32	40
High Tensile Steel (SANS 920:2011 – 450MPa) – deformed	Y	8	10	12	16	20	25	32	40
Mild Steel (SANS 920:2011 – 250MPa) – smooth	R	8	10	12	16	20	25	32	40

Customised dimensions are available on request. Please contact us to discuss your specific requirements.

Important Considerations:

- Cut & Bend is not always faster:**
 While it saves time on-site, Cut & Bend requires accurate bending schedules and processing time. Early planning helps ensure timely delivery or collection.
- Stock lengths are not only for small projects:**
 Stock lengths suit projects of all sizes, especially those requiring on-site flexibility or phased reinforcement.
- We do not manufacture steel:**
 RMS is a steel supplier and processor - we source quality steel, cut and bend to spec, and ensure all products meet both South African and British standards.
- Export and Cross-Border Supply:**
 Stock lengths are available for export across Southern Africa. Cut & Bend orders are also available to clients in Southern Africa; however, these must be collected from our facility, as we do not deliver Cut & Bend orders cross-border due to handling and transport constraint

OUR PRODUCTS

WELDED MESH REINFORCEMENT

RMS supplies high-quality welded mesh fabric reinforcement sourced from trusted local manufacturers. Made from cold-rolled deformed wire and welded using electric resistance welding, our mesh offers durable intersections with minimal loss of cross-sectional area.

All welded mesh supplied by RMS complies with South African SANS 1024 Standard Specifications, and selected types meet BS 4482 tensile strength requirements, making them suitable for a wide range of construction and infrastructure applications.

Mesh Types Stocked:

We stock the following standard mesh references: Ref 100, Ref 156, Ref 193, Ref 245, Ref 311, Ref 395, Ref 500, Ref 617, and Ref 888

Supply Options:

- Supplied in standard sheet size: 6m x 2.4m
- Ref 193, Ref 100, and Ref 156 are also available in roll format, providing flexibility for transport and handling
- Other mesh types or specifications can be sourced on request, subject to lead times and order volume

Export & Distribution:

Welded mesh is available through our national branch network across South Africa.

We also export stocked mesh types across Southern Africa, with logistics support available for bulk orders.

Technical:

Fabric	Ref No.	Main (mm)	Cross (mm)	Main (mm)	Cross (mm)	Main (mm)	Cross (mm)	kg	Supplied in
Square Mesh Fabric	888	200	200	12.0	12.0	566	566	8.88	Sheets only 6m x 2.4m Sheets or rolls
	746	200	200	11.0	11.0	475	475	7.46	
	617	200	200	10.0	10.0	393	393	6.17	
	500	200	200	9.0	9.0	318	318	5.0	
	395	200	200	8.0	8.0	251	251	3.95	
	311	200	200	7.1	7.1	198	198	3.11	
	245	200	200	6.3	6.3	156	156	2.45	
	193	200	200	5.6	5.6	123	123	1.93	
	100	200	200	4.0	4.0	63	63	1.0	
Design Mesh Fabric	1085	100	200	12.0	8.0	1131	251	10.85	Sheets only 6m x 2.4m
	943	100	200	11.0	8.0	951	251	9.43	
	772	100	200	10.0	7.1	786	198	7.72	
	655	100	200	9.0	7.1	636	198	6.55	
	517	100	200	8.0	6.3	503	156	5.17	
	433	100	200	7.1	6.3	396	156	4.33	
	341	100	200	6.3	5.6	312	123	3.41	
	289	100	200	5.6	5.6	246	123	2.89	
Longitudinal Mesh Fabric	278	100	300	6.3	4.0	312	42	2.78	Sheets 6m x 2.4m or rolls
	226	100	300	5.6	4.0	246	42	2.26	
	133	100	300	4.0	4.0	126	42	1.33	
Special Mesh	200	100	100	4.0	4.0	126	126	2.0	Sheets 6m x 2.4m or rolls
	156	100	100	3.55	3.55	99	99	1.56	

Structural Fabric Reinforcement Design Data

Cross-sectional areas at various spacings (mm²/m). Mass at various spacings (kg/m²).

Diam	Area	Mass	Wire Spacing (mm)											
mm	mm ²	kg/m ²	50	75	100	125	150	175	200	225	250	275	300	
12	113.11		2262	1508	1131	905	754	646	566	503	452	411	377	12
		0.888	17.76	11.84	8.88	7.1	5.92	5.07	4.44	3.95	3.55	3.23	2.96	
11	95.05		1901	1267	950	760	634	543	475	422	380	346	317	11
		0.746	14.92	9.95	7.46	5.97	4.97	4.26	3.73	3.32	2.98	2.71	2.49	
10	78.55		1571	1047	786	628	524	449	393	349	314	286	262	10
		0.617	12.34	8.23	6.17	4.94	4.11	3.53	3.09	2.74	2.47	2.24	2.06	
9	63.63		1273	848	636	509	424	364	318	283	255	231	212	9
		0.5	10.0	6.67	5.0	4.0	3.33	2.86	2.5	2.22	2.0	1.82	1.67	
8	50.27		1005	670	503	402	335	287	251	223	201	183	168	8
		0.395	7.9	5.27	3.95	3.16	2.63	2.26	1.98	1.76	1.58	1.44	1.32	
7.1	39.6		792	528	396	317	264	226	198	176	158	144	132	7.1
		0.311	6.22	4.15	3.11	2.49	2.07	1.78	1.56	1.38	1.24	1.13	1.04	
6.3	31.18		624	416	312	249	208	178	156	139	125	113	104	6.3
		0.245	4.9	3.27	2.45	1.96	1.63	1.4	1.23	1.09	0.98	0.89	0.82	
5.6	24.63		493	328	246	197	164	141	123	109	99	90	82	5.6
		0.193	3.86	2.57	1.93	1.54	1.29	1.1	0.97	0.86	0.77	0.7	0.64	
4	12.57		251	168	126	101	84	72	63	56	50	46	42	4
		0.1	2.0	1.33	1.0	0.8	0.67	0.57	0.5	0.44	0.4	0.36	0.33	

Diameter (mm)	Mass / Metre (kg)
5.6	0.193
6.3	0.245
7.1	0.311
8.0	0.395
9.0	0.5
10.0	0.617
11.0	0.746
12.0	0.888

Why Choose RMS Welded Mesh?

- SANS 1024 Compliant Supply
- Minimum proof stress of 485MPa
- Tensile strength of 510MPa (BS 4482 compliant)
- Clearly labelled and easily identified on-site
- Versatile for use in: Surface beds (concrete floor slabs on fill), Suspended slab, Road pavements, Retaining walls, Box culverts and drains Precast elements and tilt-up panel.

OUR PRODUCTS

PILING CAGES & PRE-ASSEMBLED REBAR

Product Features

Reinforcing & Mesh Solutions (RMS) is a trusted supplier of prefabricated pile cages, manufactured to meet specific contract requirements and engineering drawings. All pile cages are produced in a controlled environment, ensuring high tolerances and consistent quality. Constructed using SANS 920:2011 approved mild and high-tensile steel reinforcement. Manufactured from weldable material for ease of handling and integration can be pre-assembled at our facility or fixed on-site, depending on project needs supplied with 'Z Bars' or circular 'stiffener rings' to maintain cage shape during transport and installation.

RMS fabricates cages according to client-supplied engineer drawings and reinforcement schedules. While we do not offer standard off-the-shelf designs, our team can assist with technical advice to ensure buildability and efficiency.

Cage Types

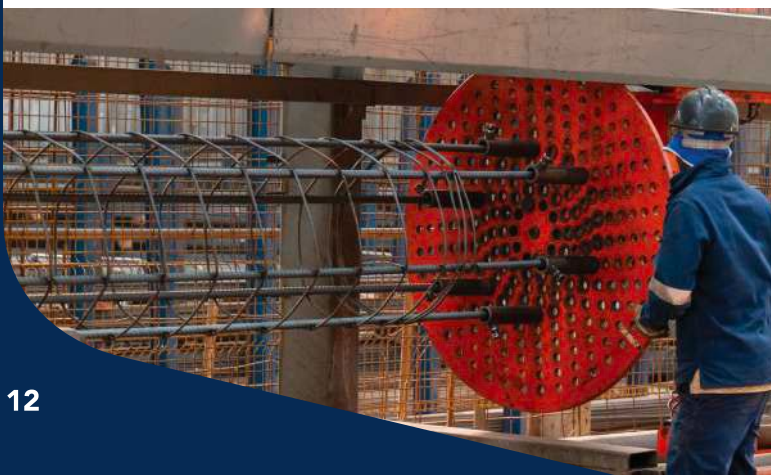
We supply circular and rectangular pile cages, depending on the project's structural design and application. Cages can be supplied with either welded or tied joints.

Cage Specifications

- **Cage types:** circular and rectangular
- **Fabrication:** made strictly to engineer-supplied drawings — no standard or off-the-shelf sizes
- **Bar diameter range:** 10mm – 40mm
- **Spiral diameter:** 6mm – 16mm
- **Spiral pitch:** 30mm – 50mm
- **Minimum cage diameter:** 100mm
- **Maximum cage length:** 13m
- **Fixing method:** welded or tied

Standard Specifications

Element	Method	Dimensions
Bar diameter range	Bars	10 – 40mm
	Spirals	6 – 16mm
Spiral pitch		30 – 50mm
Cage diameter range	Welded or fixed	100mm+
Cage length, max		13m



Built for Reliability

- High structural integrity
- Flexible installation options
- Durable for long-distance transport
- Compliant with local steel standards

OUR PRODUCTS

REINFORCING BAR COUPLERS

RMS supplies a range of mechanical reinforcing bar couplers designed to replace traditional lap splicing, ensuring full continuity of reinforcement in tension, compression, and stress-reversal applications. These systems are ideal for high-performance structures requiring strong, space-efficient connections. We proudly supply Ancon mechanical couplers, a globally trusted solution in structural reinforcement technology.

Offering

- Supply only
- Supply and installation available on request (project dependent)

Coupler Systems Offered

RMS offers a selection of Ancon coupler systems, each suited to different structural and site requirements:

- **TTS Tapered Thread Couplers**
Compact threaded design, ideal for quick installation and reliable performance.
- **CXL Parallel Thread Couplers**
Parallel-thread system with high load capacity and fatigue resistance (commonly used in Cape Town-based projects).
- **MBT Shear Bolt Couplers**
No threading required — ideal for retrofit or congested reinforcement. Uses shear bolt technology to grip the bar mechanically.

Rebar size range: 12 mm to 32 mm

Detailed dimensions, weight, and part numbers are available upon request or in our technical datasheet.

Applications

- Reinforced concrete columns and beams
 - Precast element connections
 - Retrofit and extension projects
 - Projects with reduced lap zones or high congestion
 - Bridge, tunnel, and infrastructure works
-
- Eliminate the need for overlapping rebar
 - Reduce congestion and simplify detailing
 - Enable full-strength development of the bar
 - Speed up installation and reduce site waste
 - Ensure code-compliant performance under tension, compression, and cyclic loading



OUR PRODUCTS

CONCRETE REINFORCING ACCESSORIES

RMS offers a comprehensive range of concrete reinforcing accessories designed to support safe, accurate, and efficient installation of reinforcing steel.

These essential products help ensure structural integrity, maintain proper placement, and guarantee compliance with building codes on site.

Our Accessories Include:



Binding Wire

Black annealed binding wire supplied in coils — ideal for securely fixing rebar into position.

Diameter:

1.6mm and 3.15mm (custom sizes available on request)

Coil weight: 5 kg and 50 kg coils

Material: Black annealed steel



Galvanising Steel

Provides corrosion protection for steel reinforcement by applying a zinc coating. Ideal for use in corrosive or marine environments

Finish: Zinc-coated

Application: Rebar, wire, and mesh reinforcement



Cover Blocks and Rebar Spacers

Available in plastic, these ensure the correct reinforcement cover depth, protecting rebar from corrosion.

Thickness: 20 mm, 30 mm, 40 mm, 50 mm, 75 mm, 100 mm

Material: Plastic

Dimensions: Various sizes suited to different rebar sizes and concrete cover requirements



Brickforce

Supplied for horizontal reinforcement in masonry walls. Standard roll sizes available.

Size: 150mm and 75mm (230mm available on request).

Wire diameter: 2.8mm

Roll length: 20m

Colour: Black

Standard: SABS approved



DPC Plastic Sheetting

Used as a moisture barrier in concrete slab work or formwork preparation.

Size: 3m wide x 30m long

Thickness: 250 microns

Colour: Green/Black

Standard: SABS approved



Rebar Caps

Provide safety by covering exposed rebar ends on site.

Sizes: Fit rebar diameters from 8 mm to 25 mm

Material: Durable plastic

Purpose: Safety caps for exposed rebar ends

OUR SERVICES

STEEL FIXING

Our in-house steel fixing teams are highly skilled professionals specialising in the precise installation of reinforcing steel for concrete structures. They operate with a focus on accuracy, safety, and efficiency to ensure structural integrity across a wide range of construction projects.

Typically, our teams are assigned to projects of all scales, from small residential foundations to large, complex commercial and infrastructure developments. They are well equipped to handle urgent deadlines without compromising quality, making them a reliable partner for fast-paced construction environments.

Our steel fixers integrate seamlessly into larger site teams, collaborating closely with site managers, engineers, and other trades to maintain smooth workflow coordination. This integration ensures that reinforcement installation aligns perfectly with project timelines and technical specifications.

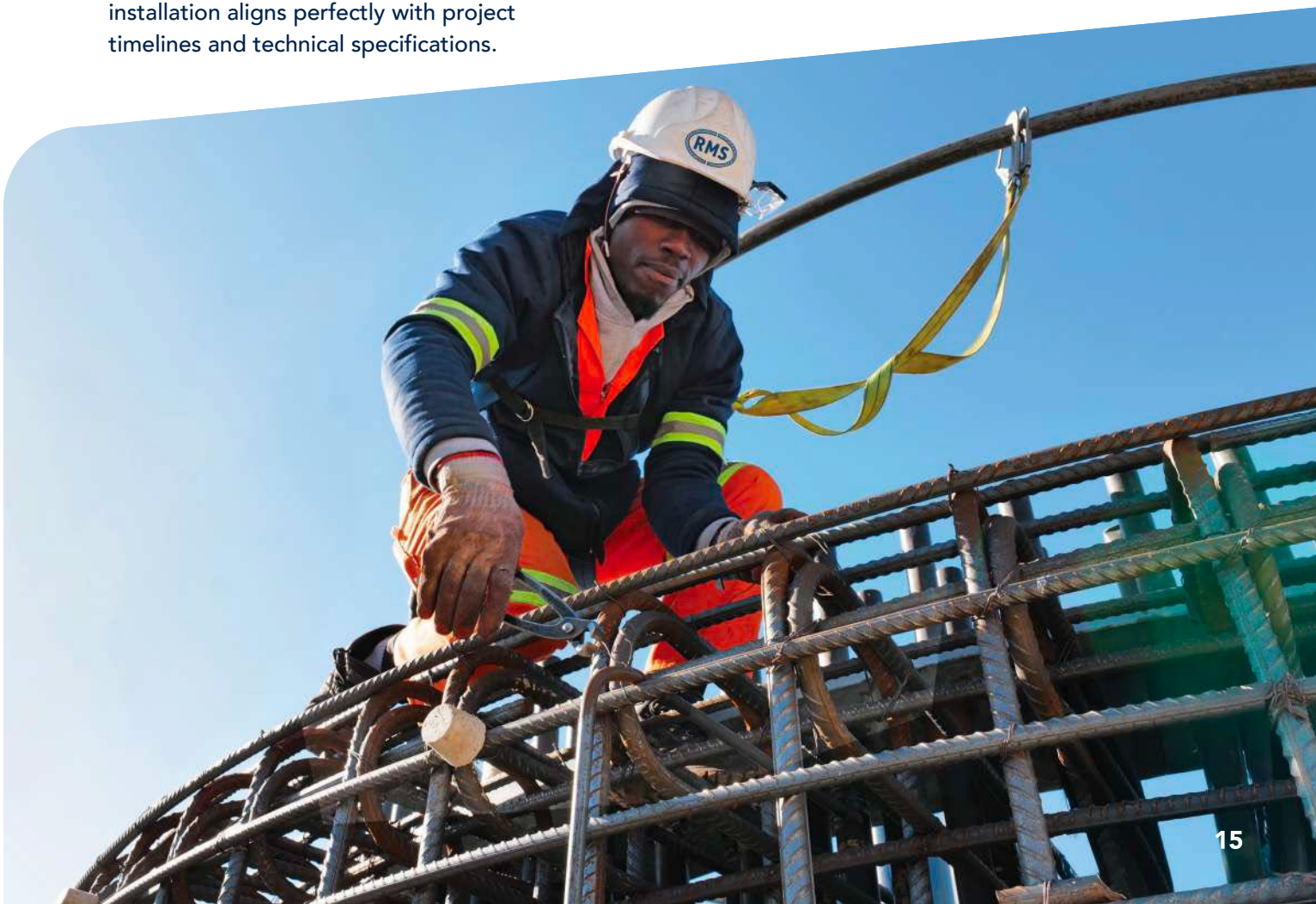
Scope & Technical Information

Health and Safety Compliance

Our steel fixing teams strictly adhere to all relevant occupational health and safety standards, including the use of PPE, hazard identification, and site-specific safety protocols. Regular safety training and toolbox talks are conducted to uphold a zero-incident culture.

Project Turnaround

Depending on project size and complexity, our teams can scale rapidly — from small crews for minor works to large multi-shift teams for major developments. Typical turnaround times are optimised through detailed planning and resource allocation, ensuring on-time delivery without compromising workmanship.



OUR SERVICES

REMOTE SUPPORT

RMS has extensive experience supplying reinforcement materials to remote and cross-border regions across Southern Africa, including Botswana, Namibia, Mozambique, and Lesotho. Our logistical expertise allows us to efficiently support construction projects located far from major urban centres, where access and timing are critical.

We work closely with clients and site teams to ensure all transport, documentation, and scheduling requirements are met, maintaining smooth project execution from dispatch to delivery.

Cross-Border Logistics & Just-in-Time Delivery

As part of our Remote Support offering, RMS provides end-to-end cross-border logistics and Just-in-Time (JIT) delivery to simplify supply and reduce on-site storage requirements. Our teams manage route optimisation, customs compliance, and phased delivery, ensuring materials arrive exactly when needed.

Scope & Technical Information

Logistical and Coordination

Services Include:



Cross-border transport and route optimisation



Preparation of customs and compliance documentation



Coordination with freight companies and on-site teams



Phased or bulk delivery options based on project stages

Notable Capabilities

- Reliable distribution network covering Botswana, Namibia, Mozambique, and Lesotho
- Experience working with challenging site conditions and remote delivery points
- Proven track record in regional project support and coordination



OUR SERVICES

ON-SITE PRODUCTION

To support large or complex builds, RMS deploys temporary on-site rebar production facilities tailored to project demands. This service is ideal for high-volume, time-sensitive projects such as windfarms, solar parks, and infrastructure developments where quick turnaround and logistical efficiency are critical.

A notable example is our support for the Coppertown Windfarm in the Northern Cape. For this project, RMS established a fully functional Springbok branch within just two months, serving as a regional base for on-site fabrication, supply, and steel fixing operations.

Scope & Technical Information

Equipment and Capacity

Our mobile setups are equipped with cutting, bending, and processing machines capable of handling high-volume rebar across various sizes and specifications. Facilities are tailored to project scale and technical requirements.

Deployment Timeline

RMS can fully establish a temporary plant, including equipment, staffing, and logistics, within 6 to 8 weeks, depending on project needs and location.

Benefits



Minimises Project Delays

On-site production accelerates reinforcement availability, helping to prevent bottlenecks and maintain construction timelines.



Reduces Transport and Storage Costs

By producing rebar closer to site, RMS helps reduce long-distance transport needs and costly interim storage.



STRATEGIC PARTNERSHIP

VSL CONSTRUCTION SOLUTIONS

Advanced Systems. Global Engineering. Delivered by RMS.



RMS works in close alignment with its sister company, VSL Construction Solutions, a Swiss-based global leader in post-tensioning, bridge bearings, heavy lifting, and retained earth systems. With over five decades of engineering excellence, VSL solutions are used on major infrastructure projects across more than 30 countries.



Through this partnership, RMS brings these internationally proven systems to local construction sites — offering South African clients the best of global engineering with hands-on regional support.

Types of Post-Tensioning



Bonded Post-Tensioning

- Ideal for bridges, reservoirs, silos and other heavy civil works
- Multiple strands used in a single duct or sleeve
- Cementitious grout protects against corrosion



Unbonded Post-Tensioning

- Used in slabs and beams in reinforced concrete buildings
- Single strands in plastic sheaths
- Sheaths are cast into the concrete and tensioned afterwards

Structural Advantages

- Enables longer spans and thinner slabs
- Reduces the need for propping
- Saves time and material costs
- Increases load-bearing capacity
- Suitable for bridges, water tanks, silos, beams, and multi-level slabs

How RMS Delivers

- Supply of VSL-certified materials and systems
- On-site installation by trained professionals
- Technical support and operator training
- Design collaboration with your professional engineer



FEATURED PROJECTS



Oceans Umhlanga

Location: Umhlanga, KwaZulu-Natal

Project Type: Building

Our KZN team supplied and delivered approximately 1,500 tons of reinforcing steel for the Oceans Umhlanga development — a high-profile mixed-use building project.



Key Ridge Bridge

Location: KwaZulu-Natal (N3 Corridor)

Project Type: Civil (Bridge Construction)

The Key Ridge Bridge consists of two bridge structures along the N3 Corridor, with a combined total of 6,882 tons of reinforcing steel. Bridge 2A – 3,441 tons; Bridge 2B – 3,441 tons.



Riverlands 1A and 1B

Location: Observatory, Western Cape

Project Type: Mixed-use (Residential, Commercial, and Shopping Centre)

A modern, multifunctional 3,900-ton mixed-use facility comprising residential, commercial, and retail spaces. The development reflects the rich heritage and architectural character of the Observatory area.



LNTP Umbila Emoyeni Wind Farm

Location: Bethal, Mpumalanga

Project Type: Civil

A large-scale 2,500-ton project involving the supply and fixing of reinforcing steel for the Umbila Emoyeni Wind Farm, contributing to renewable energy infrastructure in the region.



SARB HO

Location: Pretoria | **Project Type:** Building

A significant project in Pretoria where approximately 6,000 tons of reinforcing steel were supplied and installed. This large-scale development involved complex structural requirements to support a modern, high-security office facility, showcasing our capacity to deliver on demanding civil engineering and construction projects.

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