Reinforcing and Mesh Solutions

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Quality Reinforcing Steel & Welded Mesh for South Africa’s Construction IndustrySupplying rebar, welded mesh, and full-service reinforcement support – nationwide.ABOUT USReinforcing & Mesh Solutions (RMS) was founded in 2002 with the goal of becoming South Africa’s leading supplier of reinforcing steel bars (rebar) and welded mesh. We’re committed to building a stronger nation through supplying the construction industry with quality steel reinforcement products.We are committed to meeting the needs of our customers and uplifting our stakeholders through skills transfer programmes and economic empowerment. We’re building much more than just structures: we’re reinforcing communities and helping people build better lives and livelihoods. RMS has a proud track record of innovation in the steel rebar and welded mesh space, and our focus on consistent quality and safety is your guarantee of products that will exceed your expectations and deliver exceptional structural and social outcomes. Our nationwide network of branches means that you are never far from the ideal steel reinforcement solution. Let’s create solutions together and create a stronger nation.SERVICES & PRODUCTS WE’RE PROVIDING TO OUR CUSTOMERSReinforcing SteelRMS Steel is a top steel rebar supplier to the construction industry. Every construction project is different, which is why you need a reinforcing steel partner who understands the industry, and has the experience and expertise to design, manufacture and deliver your steel elements. It’s why you should have RMS Steel in your corner as your steel reinforcement supplier of choice.When it comes to cutting and bending, all our work complies with the SANS 282: Edition 6 Cutting & Bending Standards. Share your

bending schedules with us and we'll ensure that we match them precisely. You'll also have the peace of mind that comes with knowing that at RMS Steel, we always cut and bend rebar in compliance with the standard Shape Codes shown in our Reinforcing Steel Data Sheet.We supply, cut and bend reinforcing steel (rebar) to the latest applicable South African standards, just as we always have done. We're never content to sit on our laurels; instead, we conduct regular quality audits to make sure that each and every RMS rebar element is fit for purpose.Our steel rebar specifications range from 250MPA to 500MPA – If you're not sure which specification is right for your project, we're always happy to give advice and answers. Simply contact us for expert technical assistance.Piling CagesInternational standard pile cage fabrication with multiple bespoke options from RMS Steel.RMS pile cages (rebar cages or reinforcing cages) are the ideal strengthening solution for concrete columns in construction projects facing soil quality challenges, or where engineers have advised that deeper foundations are required. They can be used to help support weight loads and provide protection against earth movements that could otherwise lead to cracked walls, subsidence or even the collapse of entire structures.We can also supply the wheel spacers that are needed to maintain consistent distances from the edges of the hole that the pile cage has been lowered into, prior to concrete pouring.Our welded steel rebar cages can be manufactured to your exact specifications. The only things that never change are our commitment to quality and our attention to detail.With prefabricated rebar cages or pile cage elements from RMS Steel, you can save time and money on every project, reduce losses and waste, and sleep easy knowing that you have achieved the level of reinforcement you need without causing any project timeframe delays.Whether you require completely pre-assembled rebar cages, or piling cage components for onsite assembly, contact RMS Steel today for our latest prices, and to learn more about how we guarantee to meet your design specifications and required tolerances.Welded Wire MeshOur Welded Wire Mesh Reinforcement is manufactured using cold-rolled deformed hard drawn wire. We employ electric resistance welding to create intersections with minimal loss of strength and cross-sectional area. Learn more about the uses of wire mesh.Welded wire mesh fabric

reinforcement, also known as welded wire reinforcement (WWR), is a type of prefabricated reinforcement made by welding together wires arranged in a grid pattern. These wires are typically made of steel and are either plain or deformed, and the grid pattern can vary depending on the specific application. Welded wire mesh is often used in reinforced concrete structures to provide additional strength and resistance to cracking and shrinkage. It can also be deployed in a variety of other applications, including as a barrier or enclosure in industrial and agricultural settings.Welded Wire Mesh in Reinforcing Concrete Structures: Benefits and Best Practices.Welded wire mesh offers multiple advantages as a reinforcing component. It is easy and cost-effective to manufacture (with welding machines used to ensure uniformity), and is extremely versatile due to the fact that it can be made in almost any shape and size.Using welded wire mesh saves time and money – it minimises the need for cutting, bending and storage yards at the construction site, and this can contribute to reduced labour costs and increased overall safety.The fact that welded wire mesh can be easily customised adds to its appeal – for example, in situations where it may be exposed to corrosive agents, special coatings can be applied to the wire to protect it and increase its lifespan.Grid patterns – including bar size and spacing – can be adjusted to meet the precise reinforcing requirements of each project. For example, thinner bars and closer spacing can be used for more efficient stress transfer. In addition, onsite alterations and repairs can also be carried out, should project specifications change.During bending, each mat can be bent as a single unit, eliminating variations and potential weaknesses. Welded wire mesh can be placed faster than steel rebar, saving time on each project by shortening the slab casting cycle time. It also offers excellent adherence to concrete.As well as its applications in the construction sector, welded wire mesh can also be used as a fencing solution (for example, in agricultural settings) and as a supporting structure in the mining industry. In settings where the mesh will be visible after installation, hot-dipped galvanizing is often preferred as this hides the welds. A similar effect can be achieved by using a technique known as ‘calendering’, which involves flattening the welded joints to achieve a smooth appearance.Stainless steel can also be used to make welded wire mesh for food-

safe applications and other situations where corrosion cannot be tolerated.Pre-Assembled ReinforcingThe quality you need, on time and on budget every time – only from RMS Steel.As you know only too well, every second counts on a construction project – and time is money! We can save you both by manufacturing and delivering the reinforcing elements your project needs, to anywhere in South Africa.Supply us with engineering drawings or specifications and we will provide a detailed quote (including delivery fees) and accurate timeframes that you can set your watch to. We'll liaise with you every step of the way to ensure that you receive the elements you need, in the correct order, and when and where you require them.You already know you can trust RMS Steel for quality, but you can also count on us for on-time delivery so that your project proceeds without additional costs and frustrations caused by unnecessary delays.Assembling reinforcing elements on site requires that you buy or hire additional specialist welding equipment and means that you will need skilled welding professionals on your team. Let us take care of everything by completing the manufacturing phase in our custom-designed workshops, so that you can focus your energies on the construction side of things.We specialize in making the seemingly impossible, possible. To see how quickly we can manufacture and deliver your quality, pre-assembled reinforcing and steel rebar – and how much time and money we can save you. contact rms steel.CONCRETE REINFORCING PRODUCTSMechanical Splicing For Reinforcing BarsRMS is the appointed supplier in Southern Africa of the world renowned Erico Lenton Couplers, the most widely used method of mechanically splicing reinforcing bars.Lenton Lock CouplerLenton Lock CouplerLenton® Lock, an in-situ rebar splice, requires no bar-end preparation. It is ideal for repair, new construction, or retro¬spective applications. The coupler features patented gripping technology that provides for the development of full rebar strength and improved overall structural integrity in tension, compression, stress-reversal and dynamic applications. This unique design allows the coupler to be smaller and more streamlined.Lenton® Mechanical Splices from ERICO are a taper-threaded splicing system that assures a positive locking connection providing continuity and structural integrity to reinforced concrete construction. Lenton® spliced bars behave as continuous

lengths of reinforcing steel bars by providing ‘full strength’ in tension, compression and stress reversal applications.Cover DevicesSuppliers of rebar and mesh spacers, chair spacers and cover blocks.

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