

East Coast Manufacturing



WIRE MESH
& STEEL BAR

CONCRETE REINFORCEMENT

East Coast Manufacturing Sdn. Bhd.
Lot 10769, Jalan Gebeng 1/2,
Kawasan Perindustrian Gebeng,
26080 Kuantan,
Pahang Darul Makmur, Malaysia
T: +609-5839898
F: +609-5839889
Facebook: East Coast Manufacturing
E: eastcoastkuantan@gmail.com
W: www.eastcoastmalaysia.com
Co. Reg No.: 732083-X



ISO 9001:2008



“Weaving Wonders”

about us

Established in 2006, East Coast Manufacturing has been establishing its unassailable position as one of the most successful companies of its kind in the building material market in Malaysia. East Coast Manufacturing boasts a spectrum of premium steel products that can be fabricated to personalised specifications to meet individual needs. As a subsidiary of Engtex Group Berhad, a company listed on the Main Board of Bursa Malaysia, East Coast Manufacturing is poised to make a significant leap in the coming years to become a major player in the global steel market.

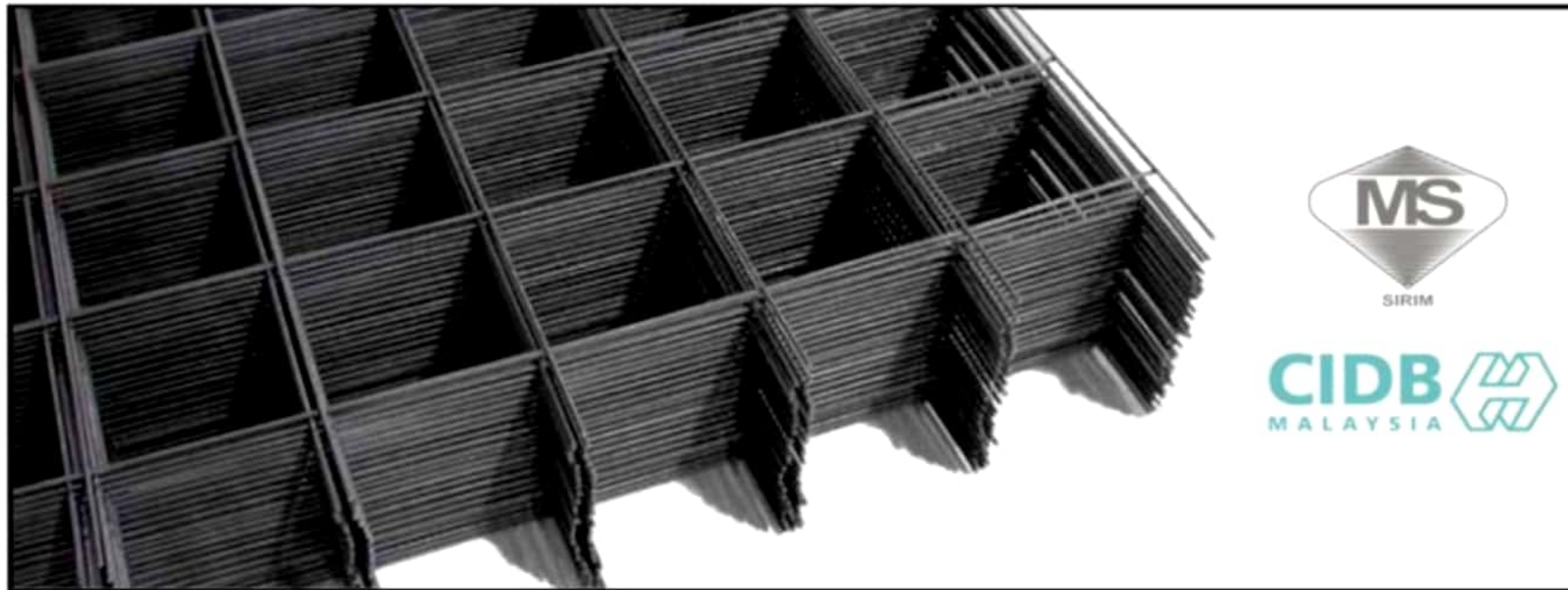
CONCRETE REINFORCEMENT

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REINFORCING WIRE MESH



Reinforcing mesh is the most common form of pre-fabrication that is made up of low carbon steel wire. It is an electric fusion welded prefabricated joined grid consisting of a series of parallel longitudinal wires with accurate spacing welded to cross wires at the required spacing. Reinforcing mesh is generally used for flat slab applications, but may also be suitable for raft foundations, pile caps, retaining walls, beams and columns. Reinforcing mesh may be used as structural reinforcement, for example in suspended slabs, or to control shrinkage or thermal cracking in ground supported slabs.

Machines are used to produce the mesh in variable sizes and shapes with precise dimensional control. Reinforcing mesh is used across broad sectors globally, such as for coal mine tunnel network protection or reinforcement, concrete pavement, bridge deck pavement, airport runway, tunnel lining, housing floor, wall, floor, concrete pipes and many others.

Advantages

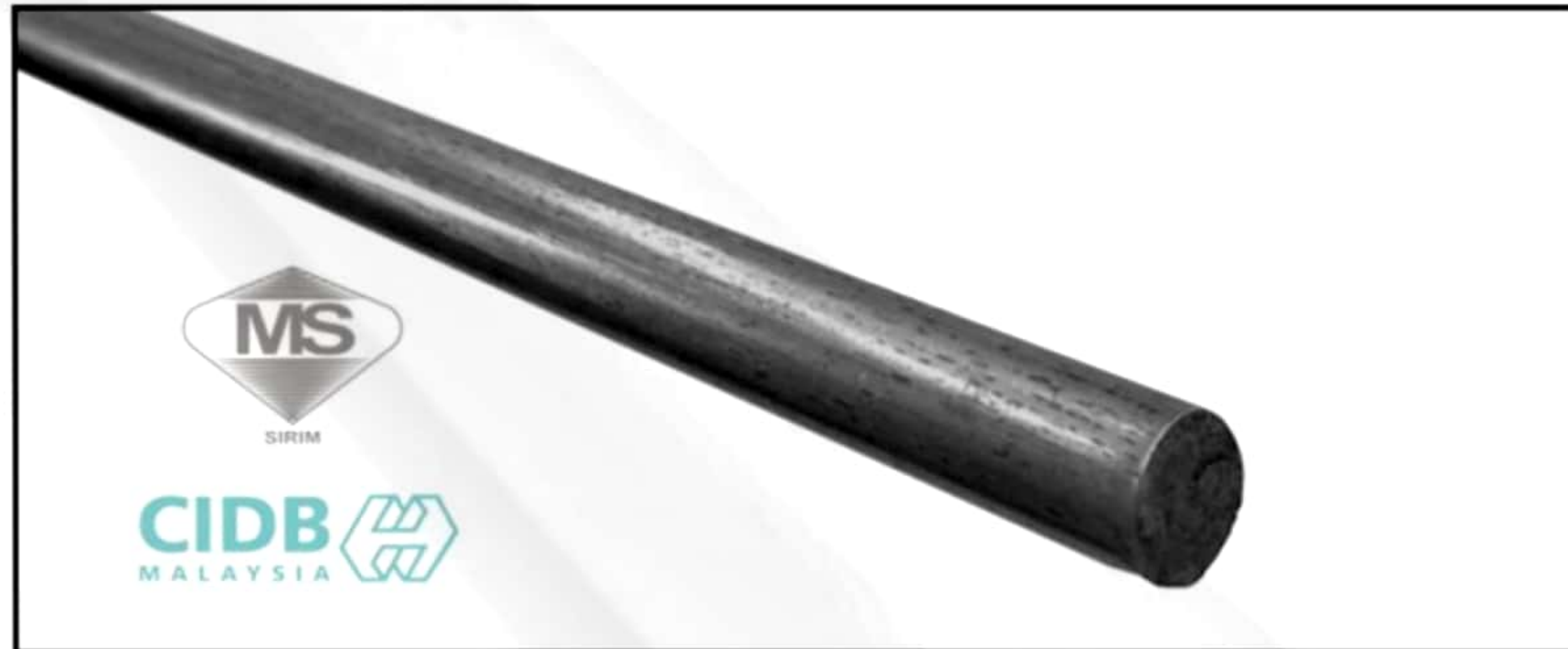
- Reduced material wastage
- Reduced overall construction time/cost
- Increased efficiency and reduced project delivery time
- Improved crack resistance in precast products
- Decrease of labour intensivity & and cost of project works because of the exception from designing the great amount of individual separate reinforcement units
- Higher flexibility as our mesh could be made to suit any project requirement
- Easier to be placed and laid, therefore contributes to a safer workplace
- Improved durability of concrete

“WE’RE NOT MESHING AROUND”

We manufacture our reinforcing mesh according to MS 145: 2014: Steel fabric for the reinforcement of concrete. If your application parameters fall outside of the standard wire mesh we offer as below, please contact us as we are able to provide a custom solution to suit your specific needs.

| ECM Ref No. | BS 4483 MS 145:2014 Ref No. | Main Wire | | | Cross Wire | | | Mass/Unit Area Kg/mm ² | Price/Sq. Metre RM | Price/Standard Unit | |
|-------------|-----------------------------|------------------|---------------|--------------------|------------------|---------------|--------------------|-----------------------------------|--------------------|---------------------|--------------|
| | | Nominal Diameter | Nominal Pitch | Steel Area | Nominal Diameter | Nominal Pitch | Steel Area | | | 4.8M x 2.2M RM | 6M x 2.2M RM |
| | | mm | mm | mm ² /M | mm | mm | mm ² /M | | | | |
| RA4 | A63 | 4 | 200 | 63 | 4 | 200 | 63 | 0.99 | 7.50 | 72.00 | 99.00 |
| RA5 | A98 | 5 | 200 | 98 | 5 | 200 | 98 | 1.54 | 11.60 | 111.36 | 153.12 |
| RA6 | A142 | 6 | 200 | 142 | 6 | 200 | 142 | 2.22 | 15.00 | 144.00 | 198.00 |
| RA7 | A193 | 7 | 200 | 193 | 7 | 200 | 193 | 3.02 | 20.40 | 195.84 | 269.28 |
| RA8 | A252 | 8 | 200 | 252 | 8 | 200 | 252 | 3.95 | 26.70 | 256.32 | 352.44 |
| RA9 | A318 | 9 | 200 | 318 | 9 | 200 | 318 | 4.99 | 33.70 | 323.52 | 444.84 |
| RA10 | A393 | 10 | 200 | 393 | 10 | 200 | 393 | 6.16 | 41.60 | 399.36 | 549.12 |
| RA12 | A565 | 12 | 200 | 565 | 12 | 200 | 565 | 8.88 | 66.60 | 639.36 | 879.12 |
| RB5 | B196 | 5 | 100 | 196 | 7 | 200 | 193 | 3.05 | 22.90 | 219.84 | 302.28 |
| RB6 | B283 | 6 | 100 | 283 | 7 | 200 | 193 | 3.73 | 25.20 | 241.92 | 332.64 |
| RB7 | B385 | 7 | 100 | 385 | 7 | 200 | 193 | 4.53 | 30.60 | 293.76 | 403.92 |
| RB8 | B503 | 8 | 100 | 503 | 8 | 200 | 252 | 5.93 | 40.10 | 384.96 | 529.32 |
| RB9 | B636 | 9 | 100 | 636 | 8 | 200 | 252 | 6.97 | 47.10 | 452.16 | 621.72 |
| RB10 | B785 | 10 | 100 | 785 | 8 | 200 | 252 | 8.14 | 54.90 | 527.04 | 724.68 |
| RB12 | B1131 | 12 | 100 | 1131 | 8 | 200 | 252 | 10.85 | 81.40 | 781.44 | 1074.48 |
| RC5 | C196 | 5 | 100 | 196 | 5 | 400 | 49 | 1.93 | 14.50 | 139.20 | 191.40 |
| RC6 | C283 | 6 | 100 | 283 | 6 | 400 | 49 | 2.78 | 19.60 | 188.16 | 258.72 |
| RC7 | C385 | 7 | 100 | 385 | 6 | 400 | 49 | 3.58 | 25.60 | 245.76 | 337.92 |
| RC8 | C503 | 8 | 100 | 503 | 6 | 400 | 49 | 4.51 | 32.50 | 312.00 | 429.00 |
| RC9 | C636 | 9 | 100 | 636 | 6 | 400 | 70.8 | 5.55 | 41.60 | 399.36 | 549.12 |
| RC10 | C785 | 10 | 100 | 785 | 6 | 400 | 70.8 | 6.72 | 50.40 | 483.84 | 665.28 |
| RD4 | D126 | 4 | 100 | 126 | 4 | 100 | 126 | 1.97 | 15.00 | 144.00 | 198.00 |
| RD5 | D196 | 5 | 100 | 196 | 5 | 100 | 196 | 3.08 | 23.20 | 222.72 | 306.24 |
| RD6 | D283 | 6 | 100 | 283 | 6 | 100 | 283 | 4.44 | 30.00 | 288.00 | 396.00 |
| RD7 | D385 | 7 | 100 | 385 | 7 | 100 | 385 | 6.04 | 40.80 | 391.68 | 538.56 |
| RD8 | D503 | 8 | 100 | 503 | 8 | 100 | 503 | 7.90 | 53.40 | 512.64 | 704.88 |
| RD9 | D636 | 9 | 100 | 636 | 9 | 100 | 636 | 9.98 | 67.40 | 647.04 | 889.68 |
| RD10 | D785 | 10 | 100 | 785 | 10 | 100 | 785 | 12.32 | 83.20 | 797.76 | 1098.24 |

PLAIN ROUND BAR



Plain round bars are used for tensile stress of RCC (reinforced cement concrete) slab beams etc. in reinforced cement concrete work. Unlike deformed bars, they are plain in surface and are round sections of diameter from 6 to 50 mm. These rods are manufactured in long lengths and can be cut quickly and be bent easily without damage. Plain round bar is commonly used to separate mesh in concrete slabs and has a range of applications from reinforced concrete piers, bored piles, footings, walls, beams, columns, slabs, and precast products.

Our plain round bar is manufactured according to MS 144: 2014: Steel wire for the reinforcement of concrete products.

| Ref. No. | Nominal Diameter | Length | Weight/Bundle | Pieces/Bundle |
|----------|------------------|--------|---------------|---------------|
| | mm | m | MT | pcs |
| R6 | 6 | 12 | 0.999 | 375 |
| R8 | 8 | 12 | 0.948 | 200 |
| R10 | 10 | 12 | 1.022 | 138 |
| R12 | 12 | 12 | 1.023 | 96 |
| R16 | 16 | 12 | 1.023 | 54 |
| R20 | 20 | 12 | 1.006 | 34 |
| R25 | 25 | 12 | 1.017 | 22 |
| R32 | 32 | 12 | 1.061 | 14 |


HIGH TENSILE DEFORMED BAR



Reinforcing bar is supplied with heavy ridges to assist in binding the reinforcement to the concrete mechanically - this is commonly referred to as deformed bar. Deformed bar is most commonly used as a tensioning device to reinforce concrete and other masonry structures to help hold the concrete in a compressed state. Deformed bar is similar to reinforcing mesh, but has the advantageous ability to be anchored to the ground. Deformed reinforcing bar is used in a range of residential, commercial and infrastructure applications from concrete slabs to prefabricated beams, columns, cages and precast products.

Our high tensile deformed bar is manufactured according to MS 146: 2014: Steel for the reinforcement of concrete - Weldable reinforcing steel - Bar, coil and decoiled product

| Ref. No. | Nominal Diameter | Length | Weight/Bundle | Pieces/Bundle |
|----------|------------------|--------|---------------|---------------|
| | mm | m | MT | pcs |
| Y10 | 10 | 12 | 1.022 | 138 |
| Y12 | 12 | 12 | 1.023 | 96 |
| Y16 | 16 | 12 | 1.024 | 54 |
| Y20 | 20 | 12 | 1.008 | 34 |
| Y25 | 25 | 12 | 1.016 | 22 |
| Y32 | 32 | 12 | 1.060 | 14 |
| Y40 | 40 | 12 | 1.065 | 9 |



East Coast Manufacturing is committed to the provision of total Quality Assured products and services to meet all customers specified needs and expectations and all associated regulatory requirements.

To ensure consistent performance to the specified requirements the company applies an effective quality management system meeting the requirements of ISO 9001:2008.

Detailed working instructions to company employed personnel are contained in a separate series of quality control procedures which are referred to in the quality policy manual.

The quality programme laid down in the quality policy manual and associated quality control procedures has the full support of management and it is a mandatory requirement that all personnel involved will comply with the defined policies, systems, and procedures. It is the responsibility of company management, that all company personnel thoroughly understand the company's quality policy, and the requirements for implementation.

