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**Q. Why should I buy my shaped wire from SBBBL?**

- A.** SBBBL has a wealth of experience in producing Round, Flat, Rectangular and Special Section Bar/Wire. We can supply Bright, Cold Rolled, and Cold Drawn in bar form as well in coil form. Our Technical Specialists can assist in design and development of special shapes tailored to your application. We are a flexible and responsive supplier who is constantly working to reduce costs and lead times to offer you the most cost effective solutions. For many years we have supplied to some of the most demanding industries constantly perfecting our supply chain solutions and high quality levels.

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**Q. What materials do SBBBL produce Bar/Wire in?**

- A.** SBBBL can offer Bar/Wire made from Commercial Mild Steel, Carbon Steel SAE 1006 to 1022, Free-Cutting Steel, and Medium Carbon Steel, High Carbon Steel, Alloy Steel, Stainless steel and Non-Ferrous Materials. We work with both the major and also some smaller more specialised steel suppliers and can source and work with a range of international standard and specialist Steel Grades- so please do not hesitate to give us details of your specific Steel Grade requirements.

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**Q. What is your Maximum/ Minimum finished Bar/Wire size?**

- A.** Depending on the width to thickness ratio, for Flat Wire and Trapezoidal Wire the maximum width we work to is 42 mm and the minimum width would be about 1.20mm (1/16"). On precision sections the maximum cross sectional area is about 150mm<sup>2</sup>.

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**Q. What tolerances does SBBBL work to?**

- A.** On Cold Rolled / Cold Drawn Wire/ Bar our tolerances are generally +/- 0.03mm on thickness and +/-0.05mm on width. If your tolerance requirements for a specific application are tighter than this then please give us details and our Technical Teams will investigate ways we can assist.

For drawn sections our tolerances can be as close as 0.025mm total (depending on the section size).

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**Q. Do you supply Bar/Wire?**

- A.** Generally speaking SBBBL's manufacturing expertise lies in the production of Bar/Wire and Special Profile Bar/Wire. However, the processing of Bar/Wire is our production methods and we will examine enquiries for Bar/Wire materials.

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**Q. What are SBBBL's normal lead times?**

- A.** Due to the wide range of products and steels used, we do not have a standard lead time. We encourage many of our customers to enter into Supply Chain partnerships which specifically target the reduction of lead times as a key objective. For other customers, schedule systems ensure delivery as required.

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**Q. What Wire does Bar/Wire stock?**

- A.** We tailor the Bar/Wire to make very specifically to meet the customer requirements, including their requirements on Steel Grade, Tensile strength, tolerances, surface finish, packaging and presentation. We do not therefore stock Finished Bar/Wire. However in some standard size, we are keeping stock.

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**Q. What are your Minimum Order Quantities?**

- A.** As we make to customer order and to a specific steel grade we need to supply based on the MOQ 600 kg and if raw material is not available as per base requirement of Customer than it will be a minimum of 3.5 to 5 MT, but will vary according to the steel grade and the steel supplier.

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**Q. What details do SBBBL require in order to quote me?**

- A.** Please see our Enquiry Form on this website. The details requested there are necessary as a minimum in order to deal quickly and efficiently with your enquiry. If you have requirement of more information than this please pass it to us. We will require technical drawings for complex profiles.

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**Q. What is Cold Drawing?**

- A.** In the Cold Drawing process, standard shape rod is pulled through dies which have been contoured to the exact shape of the part you need. The drawing process changes the shape or reduces the size of the metal. Several passes may be required through smaller and smaller dies depending on the final shape, or the complexity of the finished product. Sometimes annealing may be required between the drawing operations to restore the ductility of the metal.

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**Q. What is rolling?**

- A.** Rolling is a process whereby the material is shaped using a system of rolls to deform the material to a pre-defined shape. This process tends to alter the grain structure of the steel and leads to work hardening. The hardening is proportionate to the deformation carried out.

Cold Rolling is carried out at ambient temperatures and there are limits to the amount of work that can be done at each stage of the process. In Hot Rolling the temperature of the steel is selected to achieve the optimum formability of the steel.

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