

## EN39 ALLOY STEEL 835M15

Dynamic Metals is a EN39 alloy steel (835M15) UK supplier. We deliver high quality metal and no minimum orders on stock bar, sheet and plate.

| <b>Specific Gravity</b>  |                   |                  |                               |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| <b>Typical Applications</b>  |                   |                  | <b>Related Specifications</b> |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                   |                  | 835M15                        |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Chemical Composition (Wt %)</b>   |                   |                  |                               |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |                   |                  |                               |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Min</b>   |                   |                  |                               |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Max</b>   |                   |                  |                               |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Typical Mechanical Properties</b>   |                   |                  |                               |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 10%;">0.2% Proof Stress</th> <th style="width: 10%;">Tensile Strength</th> <th style="width: 10%;">Elongation</th> <th style="width: 10%;">Reduction of area</th> <th style="width: 10%;">Hardness</th> </tr> </thead> <tbody> <tr> <td></td> <td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td style="text-align: center;"><b>Content</b></td> <td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>   |                   |                  |                               |                   |          |  | 0.2% Proof Stress | Tensile Strength | Elongation | Reduction of area | Hardness |  |  |  |  |  |  | <b>Content</b> |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 0.2% Proof Stress | Tensile Strength | Elongation                    | Reduction of area | Hardness |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                   |                  |                               |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Content</b>   |                   |                  |                               |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                   |                  |                               |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |                   |                  |                               |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>Hardness after Heat Treatment</b>   |                   |                  |                               |                   |          |  |                   |                  |            |                   |          |  |  |  |  |  |  |                |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different supply conditions such as heat treatment or temper and product dimensions.

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