

080A15

080A15 round and flat bar

080A15 steel stockholders and suppliers, delivering throughout the UK.

West Yorkshire Steel are suppliers of this low carbon steel grade in round bar and flat bar. 080A15 is a low carbon unalloyed steel commonly supplied as bright drawn bar. It is a good quality general engineering bright mild steel. Its low carbon content gives this grade good welding characteristics and it is also well suited for case hardening heat treatment.

Alternative carbon steel grades we supply

[080M40](#) | [070M55](#) | [080A15](#) | [S275](#) | [S355](#)
[Key Steel](#) |

Form of Supply

West Yorkshire Steel are 080A15 stockholders and suppliers of round bar, flat bar and plate. 080A15 can be sawn to your required lengths as one offs or multiple cut pieces. Ground steel bar can be supplied, providing precision ground bar to tight tolerances.



- Flat
- Diameter

Contact our experienced sales team who will assist you with your 080A15 enquiry.

Applications

Commonly used for general engineering 080A15 is suitable for applications such as bolts, shafts, spacers, hubs, base plates, brackets, fixtures and jigs.

Analysis

Carbon	0.13-0.18% max	Silicon	0.10-0.40%
Manganese	0.70-0.90% max	Sulphur	0.05% max
Phosphorous	0.05% max		

Normalising

080A15 is commonly supplied bright drawn, if the steel requires normalising heat to 880-910°C then furnace cool.

Stress Relieving

If stress relieving is required heat to a temperature of 650°C and allow to cool in air.

Heat Treatment

080A15 is suitable for case hardening, Components when case hardened have a core strength range of 430-490N/mm² with a hard wear resistant surface case. Heat treatment temperatures, cooling and soaking times will vary due to factors such as the shape and size of each component. Other considerations during the heat treatment process include the type of furnace, quenching medium and work piece transfer facilities. Please consult your heat treatment provider for full guidance on heat treatment of 080A15 bright mild steel.

Certification

080A15 steel is available with a cast and analysis certificate or certificate of conformity, please request when placing any orders.

Quality Assured Supply

080A15 steel is supplied in accordance with our ISO 9001:2015 registration.



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