

835M15 Case Hardening Steel

835M15 steel suppliers, delivering throughout the UK. This is a 4.5% nickel, chromium, molybdenum grade, suitable for case hardening to give a case resistant surface with a high core strength up to 1310 N/mm². 835M15 grade is commonly supplied as round bar.

We welcome export enquiries for 835M15 case hardening steel. Contact our sales office and consult our [shipping policy](#) for details.

Form of Supply

West Yorkshire Steel are stockholders and suppliers of 835M15 round bar. Diameters in grade 835M15 can be sawn to your required lengths as one offs or multiple cut pieces. Ground steel bar can be supplied, providing a case hardening steel precision ground bar to your required tolerances.

Contact our experienced sales team who will assist you with your 835M15 case hardening steel enquiry.

- Diameter

Applications

As a carburising steel with high core strength it is suitable for heavy duty applications such as shafts, roller bearings and clutch plates.

Analysis

Carbon	0.12-0.18%	Nickel	3.90-4.30%
Manganese	0.25-0.50%	Molybdenum	0.15-0.30%
Silicon	0.10-0.35%	Sulphur	0.040% max
		Phosphorous	0.035% max

Carburising / Case Hardening

Carburising and case hardening of 835M15 will give a hard wear resisting surface and a tough core strength to the steel. Surfaces must be free from dirt and grease, and of low sulphur content. Case hardening can be carried out in salt baths with selected content depending on the type of salt and the depth of penetration required. Other considerations during the heat treatment process include the type of furnace, quenching medium and work piece transfer facilities. Time, temperatures and salt selection will be advised by your heat treatment provider.

Certification

835M15 case hardening steel is available with BS EN 10204 3.1 mill certificate, please request when placing any orders.