

STEEL



LIBERTY

Automotive

Engineered for challenging standards

Our products are manufactured into key automotive components such as gears, shafts, connecting rods, injector systems, camshafts and crankshafts for engine and power train applications.

We have extensive experience of working with key players within the technically demanding worldwide automotive supply chain.

MEMBER OF



Services

We can offer a tailored service package focused on individual needs:

- Hire rolling
- Straightening 1:500
- Cutting to short forging blanks, controlled on piece length/weight
- Bundling and labelling to customer requirements
- Bright drawn and turned bar
- Scheduled drawing
- Facing, chamfering, precision sawing, crack detection and ultrasonic testing
- Special packaging
- Spheroidise annealing, annealing to hardness or grain structure, normalising, stress relieving, quench and tempering

Product

We can offer customers an extensive range of grades based on their technical requirements:

- Carbon manganese steels
- Boron treated steels
- Case carburising
- Micro alloy
- Alloy through hardening steels
- Nitriding steels
- Enhanced machinability steels, including leaded variant steels
- Free cutting steels

Customer approvals

Bright Bar Delphi, Autoliv, Citroen, Peugeot, Ford, Renault, Volvo, Scania

Accreditations

IATF 16949, BS EN ISO9001, BS EN ISO17025, BS EN ISO 14001

Supply

Black Bar

As-rolled black bar available in sizes:
 Round: 22mm (0.87") - 105mm (4.13")
 Hexagon: 22mm (0.87") - 80mm (3.15")
 Square: 14mm (0.55") - 27mm (1.06")

As-rolled black round and hexagon bar straightness to 1:250, crack detected and ultrasonically inspected offered in a range between:
 29mm (1.14") - 83mm (3.27")

Maximum bundle weight is 5000kg (11023lb)

Minimum bar length is 4500mm (14.8")

Maximum bar length is 14700mm (48.2")

Bright Drawn Bar

Rounds 8 - 90mm (h9 - h11)
 Hexagons 10 - 70mm (h10 - h11)

Turned Bar

Rounds 22 - 230mm (h10 - h11)
 3 - 8.5m lengths

Please note: Bright Drawn and Turned Bar may be available in other sizes on request.

Technical support

We have a comprehensive technical support team available to advise on grade selection and product range to achieve the maximum benefit. Customer Technical support provide specialist advice and help with day-to-day problem solving.

Works based metallurgists and the full resources of our Steel Research and Development Laboratories are available to assist with longer-term developments.

For further information, enquiries or any technical guidance on our range of products please contact our experts using the details below.

LIBERTY SPECIALITY STEELS

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