

Description & Size

EN8 is a medium carbon, hardenable engineering grade steel.

It has high strength compared with bright mild steel, and is suitable for general engineering purposes.

BSS typically supply EN8 in round bar.
Bar diameters:

6.35mm - 75mm

We can also supply in flat bar and hexagonal bar. Please telephone for enquiries.

Hardness

We typically supply EN8 as a rolled hardness of around 230vpn.

Composition

	EN8
Carbon	0.35% - 0.45%
Manganese	0.60% - 1.00%
Silicon	0.05% - 0.35%
Sulphur	0.06% max
Phosphorous	0.06% max

Related Specifications

EN8 is a close equivalent to:

BS 970-1991:080M40
AISI/ASTM A29:1038, 1040, 1045 DIN
Werkstoff No.: 1.0511, 1.1186, 1.1189 BS &
DIN European: C40, CK40, C45, CK45 JIS
4051: S40C, S45

Condition Supplied

BSS Supply EN8 in the following conditions: Black, as rolled.



Applications

Typically, applications include:

- General purpose axles
- Garden tools
- Hand tools
- Shafts
- Gears
- Bolts and studs
- Spindles
- Automotive and general engineering components
- Other general engineering parts

Contact

For quotations and enquiries, or to place an order, please contact our customer service team.

Our office is open from:

8.30am - 5.00pm Mon-Thurs
8.30am - 3:45pm Fridays.

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