

## Description

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.

## Hardness

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

## Composition

	EN8
<b>Carbon</b>	0.35% - 0.45%
<b>Manganese</b>	0.60% - 1.00%
<b>Silicon</b>	0.05% - 0.35%
<b>Sulphur</b>	0.06% max
<b>Phosphorous</b>	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

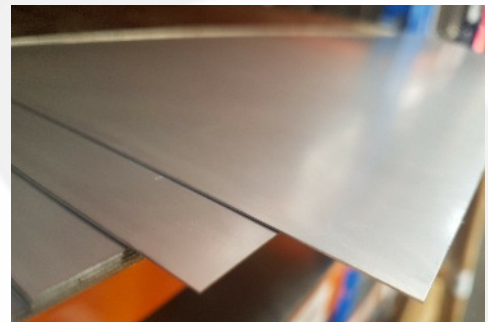
BS & DIN European: C40, CK40, C45, CK45

JIS G4051: S40C, S45C

## Condition Supplied

BSS Supply EN8 in the following conditions:

Black, as rolled.



Fast UK and  
worldwide  
shipping



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## 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

## Sizes

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.

## Contact

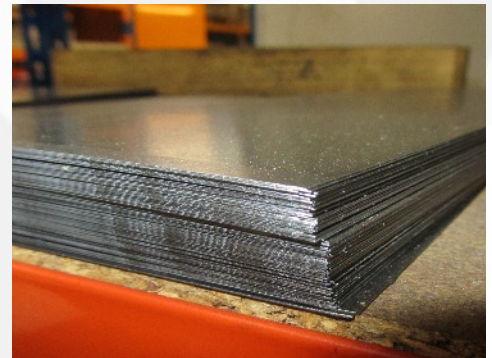
For quotations and enquiries, or to place an order, please contact our customer service team.

Our office is open from 8.30am - 5.00pm Mon-Thurs and 8.30am-4pm Fridays.

**Tel:** 0114 244 0527

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