

# EN BS 970 EN8C – Technical Datasheet

## 1. Chemical & Mechanical Properties

C (%)	Mn (%)	S (%)	Yield (MPa)	Tensile (MPa)	Elongation (%)
0.42–0.50	0.50–0.80	0.10–0.25	≈390	700–850	≈16

## 2. Equivalent / Alternative Grades

Grade	Chem Note	Yield	UTS
AISI 1141	Free-cutting		UTS ≥585 MPa
DIN 44SMn28	Free-cutting		UTS 630–850 MPa
JIS SUM43	Free-cutting		UTS 650–880 MPa

## 3. Common Applications

- Lathe work
- Fasteners

## 4. Standard Conformance

BS 970-3:1991 080A46

## 5. Disclaimer

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