

# EN BS 970 EN8B – Technical Datasheet

## 1. Chemical & Mechanical Properties

C (%)	Mn (%)	S (%)	Pb (%)	Yield (MPa)	Tensile (MPa)	Elongation (%)
0.37–0.45	0.70–0.90	0.15–0.35	0.15–0.35	≥280	550–700	≥16

## 2. Equivalent/Alternative Grades

Grade	Chem Note	Yield	UTS
AISI 1144	Leaded		UTS ≥585 MPa
DIN 44SMn28	Leaded		UTS 630–850 MPa
JIS SUM43	Leaded		UTS 650–880 MPa

## 3. Common Applications

- Auto-machine parts
- Hydraulic fittings

## 4. Standard Conformance

BS 970-3:1991 080A42 (Leaded)

## 5. Disclaimer

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