

Engineering Steel

Applications

- Connecting rods
- High load couplings
- Pistons
- High tensile shafts
- Gears

Product Description

EN16 is a high tensile steel which has excellent ductility and good shock resistance. EN16 shares the same good mechanical properties of EN8 but is more resistant to shear loading and frictional wearing. It is an alternative alloy steel grade to other chromium and nickel high tensile steel specifications and is readily machinable in the supplied condition. EN16 is a popular 'all-rounder' and is used in a wide variety of general engineering applications.

Hardening

Supplied ready heat treated.

Key features:

- High tensile steel
- More resistant to shear loading and frictional wearing than EN8
- Good mechanical properties
- Good shock resistance

Machinability

Readily machinable

Related material specifications

BRITISH BS 970:1991 605M36T
BRITISH BS 970:1955 EN16T

Availability

Bar.

Chemical Composition (weight %)

	C	Mn	Mo	Si	S	P
min.	0.30	1.30	0.20	0.10		
max.	0.40	1.80	0.35	0.35	0.05	0.035

Mechanical Properties (subject to ruling section)

Condition	Tensile N/mm ²	Yield N/mm ²	Elongation %	Izod KCV J	Hardness Brinell
R	700-850	525	17	28	201-255
S	775-925	585	15	50	223-277
T	850-1000	680	13	50	248-302

Technical Assistance

Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

UK Service Centres:

Smiths Belfast **02895 908 897**
Smiths Biggleswade **01767 604 704**
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Smiths Verwood **01202 824 347**
Main Office **0845 527 3331**

Quality & Testing:



www.smithmetal.com info@smithmetal.com