

# EN16 Steel (605M36)

Smiths High Performance



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## For gears, shafts, and axles

EN16 (605M36) is a high-tensile engineering steel we supply for motorsport applications.

Our alloy steel benefits from high tensile strength, excellent toughness, good ductility and impressive machinability.

EN16 steel is also known under equivalent specifications 605M36 and SAE 4135. Mechanical property enhancements are due to the inclusion of chromium, nickel and molybdenum. EN16 offers good resistance to fatigue and wear, and the chosen heat treatment determines the resulting tensile strength.

Good ductility makes the alloy easy to machine, and the material is highly suitable for applications requiring high strength and toughness.

### \* Chemical Composition (weight, %)

	C	Si	Mn	Mo	P	S
Min.	0.32	0.10	1.30	0.22		
Max.	0.40	0.40	1.70	0.32	0.035	0.040

\* Properties as per BS 970

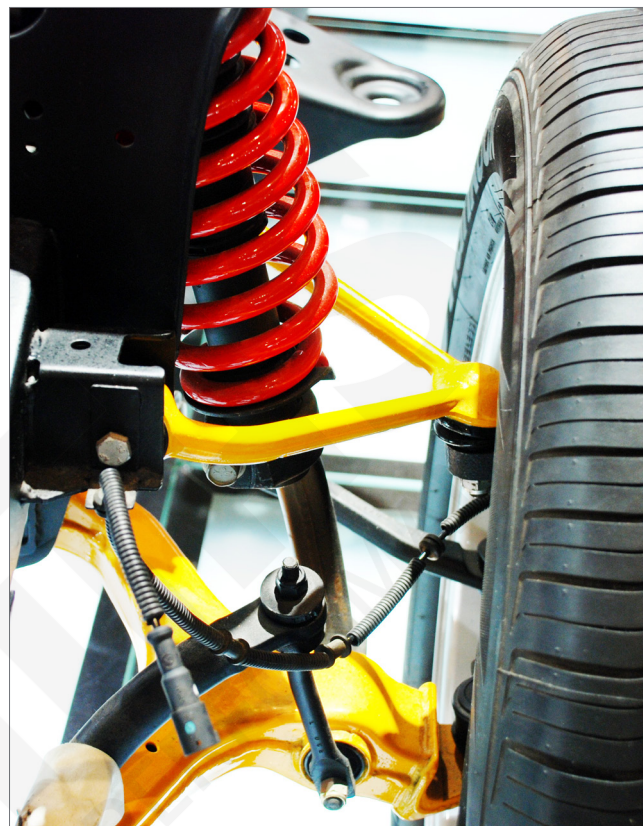
### Motorsport Applications:

EN16 is a highly versatile engineering steel utilised throughout industry, and motorsport is no exception. Typical motorsport applications include:

- Gears
- Axles, connecting rods and shafts
- Crankshafts
- Anti-roll bars

### Similarities:

EN16 is similar to EN8, offering good mechanical properties but with superior frictional wear and shock-loading resistance.



### About Smiths High Performance

Smiths High Performance is a leading stockholder and supplier of high-performance engineering materials. We are material supply chain partners supporting high-technology market sectors.


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