

Chapter 1 : EN8 Carbon Steel, M40 BS Specification - Otai Special Steel

Consisting of 8 dynamic Business Units and operating from a strategic network of more than 50 service centres, branches and warehouses, Macsteel supplies the entire Sub-Saharan geographic region with the broadest range of carbon steel, stainless steel, speciality steels, aluminium products and value added processes to all industry sectors.

Suitable for lightly stressed fasteners ,shafts etc. Can be easily machined and welded. Available hot rolled, normalised, cold drawn or turned. Supplied in Black round or square , bright round square, flat and hexagon. Used to make, shafts, racks, pinions, studs, bolts, nuts, rollers, etc. Supplied as square bar, or round bar or flat. Suitable for stressed pins, shafts studs, keys etc. Available as rolled or normalised. Available as hot rolled, normalised, Cold drawn or turned. Sections available black round, black square, bright round and black flat. When case hardened results in a hard surface with a tough core. Used for making gears cams and rollers etc. Available in heat treated condition e. Supplied as black round or square bar and bright round or square, and hexagons. Can be induction hardened. Used for gears, and high strength shafts etc. Suitable for higher strength applications when resistance to shock is required. Used for gears axles and high strength studs. Supplied as rolled, annealed and hardened and tempered. Supplied as black round or square bar and bright round or square, and hexagons BS M13 EN36 A high quality nickel chromium case hardening steel. Can be hardened to provide hard surface with a strong tough core. Used for high duty gears and shafts. Supplied in as-rolled condition in black square and round bar and bright round. Provide good tough core strength with a hard nitrided surface for wear resistance. Supplied in as-rolled, annealed and hardened and tempered condition in black square and round bar. Typical applications include cutlery, surgical instruments, fasteners, valves, spindles and shafts. Supplied heat treated with a high tensile strength. Low Strength but good ductility. Used food processing and catering equipment and automotive trim,car exhaust systems etc. Readily formed and welded,used mainly in domestic, dairy and decorative appliances general purpose grade for corrosion resistant applications. This grade is the most widely used of all stainless steels. Its chemical composition,provide the best all-round performance S. It has excellent low temperature properties. Lower Carbon grades S15 and less have improved weldability. It offers high resistance to corrosion. Generally machined components and pipe fittings. This grade is almost as popular as the grade the increased Mo content makes the steel more suitable for resisting pitting and crevice then Grade. Titanium stabilized, which offers improved welding properties. Pocesses good resistance to scaling at high temperatures. For continuous high temperature service in the range - oC. The values below are not comprehensive and must be used with extreme care. The strength values e. In the tables below the relevant sections are often thin and so the strength values are maximum values. Please refer to the relevant standards for important work..

Chapter 2 : Read ORANGE BOOK ORDER FORM

CASE HARDENING STEEL TO BS - EN 36A - continued WELDING: Readily welded in the annealed condition with the correct procedure, but welding in the case hardened or through hardened condition is not.

Chapter 3 : A42 Technical Guide :: The Metal Professionals - Acton Bright Steel

1) BS has been generally superseded by European based standards Notes on European Standards 2) All information on this page has been interpreted from the relevent Standard, Books eg Newnes Mech. Eng Pocket Book, Kempe's, Other Web Sites, and Leaflets.

Chapter 4 : CS-HR-RoundM40 | Acenta

BS standard is one steel specification for wrought steel for mechanical and allied engineering purposes. It specifies requirements for carbon and carbon manganese, alloy, free-cutting and stainless steels normally supplied in the bright

cold finished condition.

Chapter 5 : BS , for Mechanical and Allied Engineering Steel

1. EN8 Steel is Steel Grade in BS Specification. EN8 steel grade belongs to the standard of BS , which is a standard for wrought steel for mechanical and allied engineering purpose.

Chapter 6 : STEEL MASTER :: EQUIVALENT GRADES

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Chapter 7 : EN31 Technical Guide :: The Metal Professionals - Acton Bright Steel

Purchase your copy of BS as a PDF download or hard copy directly from the official BSI Shop. All BSI British Standards available online in electronic and print formats.

Chapter 8 : Article: Chemical composition of stainless steels to BS

en1a, also known as m a low carbon mild steel, free cutting, suitable for machining using both automatic and cnc machines. en1a is available in rounds, squares, hexagons, and flats.

Chapter 9 : BS Stainless Steel Chemical Composition

BS Steel Specifications BS steel suppliers and stockholders delivering to the whole of the UK. West Yorkshire Steel are suppliers of BS specifications in round bar, flat bar and steel plate.