



About us:

Ambro Steel carry a full range of speciality steel for the engineering, construction, manufacturing, industrial and mining sector. Our Wide stock range makes for a one stop solution for every need. Through our local and international network of suppliers we believe in offering the best quality certified materials at a competitive price. We add value to products offering with customized forgings and semi-finished products upon request. Our solution consists of as rolled material, Heat treated materials, as well as UT testing free of charge. Mechanical testing can be done upon request

Vision

To do more than sell steel; through building relationships by listening, by serving and by caring.

Mission

Simplifying engineering steel supply.

History:

Ambro Steel formerly known as Ambro Sales traces its beginnings to 20 November 1978. Found by Mr Keith Anderson and Mr Angus Milne, in Knights Germiston, South Africa.

Ambro Steel has a history of great customer service and this resulted in us expanding very quickly. In March 1994 we moved from our 250 square meter warehouse in knights to our new home in Wadeville, Germiston where we are still based today.

In 2008 Ambro Sales was sold to Hudaco (<http://www.hudaco.co.za/>) group of companies. This fantastic venture has resulted in further growth for Ambro and today we are proud to be 10 019 square meters strong.

We continue to grow and have now acquired Sanderson (Hyperlink) and Donsteel (Hyperlink) as part of the Hudaco Steel Division umbrella.

Ambro realises that our industry is unpredictable and therefore we run an express service with collection the same day to suit our customer's needs.

Materials on offer:

<u>Name</u>	<u>B.S Number</u>	<u>Typical uses</u>
Carbon steels		
BMS		
C45 KEYSTEEL		Manufacturing of various keys
230M07 LEADED		Manufacturing of bushes, pins, bolts, nuts, studs and couplings.
EN1A FREECUTTING	220M07	Manufacturing of bushes, pins, bolts, nuts, studs and couplings.
EN3B BRIGHT MILD	070M20	Shafts, Bolts, Nuts, Studs, Couplings and machinery components
EN8 BRIGHT	080M40	Dynamo and Motor shafts, Het treated bolts, Crankshafts, connecting rods, Driving rings, Flanges, Railway couplings, axles, Brackets,
EN1A LEADED HEX AND EN8 BRIGHT HEX		EN1AL: Manufacturing of bushes, pins, bolts, nuts, studs and couplings. EN8: Dynamo and Motor shafts, Het treated bolts, Crankshafts, connecting rods, Driving rings, Flanges, Railway couplings, axles, Brackets,
EN3A BLACK MILD	070M20	Shafts, Bolts, Nuts, Studs, Couplings and machinery components
EN8 BLACK / NORMALISED	080M40	Dynamo and Motor shafts, Het treated bolts, Crankshafts, connecting rods, Driving rings, Flanges, Railway couplings, axles, Brackets,
EN8 BLACK HEX	080M40	Bolts , Nuts, Studs

EN9 BLACK	070M55	Sprockets and springs, cylinders, cams, crankshafts, keys, small arms parts such as riffle barrels, Small gears, Machine tools, Balls for ball mills, Ball races, Machined parts requiring moderate wear resistance.
HOLLOWBAR ST52	431S29	
Alloy steels		
EN 19 AS ROLLED/ ANNEALED / HEAT TREATED	709M40	Axle shafts, crankshafts, connecting rods, gears, high tensile bolts and studs, propeller shaft joints, riffle barrels, breech mechanisms, small arms parts, induction hardening track pins
EN 24 AS ROLLED / ANNEALED / HEAT TREATED	817M40	Automobile main shafts, axle shafts, connecting rod bolts, synchronising cones, push rods, differential shafts, motorcycle kick starter ratchets, pinion sleeves, mandrill bars for tube manufacturing, gun barrels, breech mechanism parts, high duty engine connecting rods, high temp bolts in oil refining and steam installations, various parts of machine tools such as spindle gears, compensating washers, power transmission gears, slide racks, slide cams.
EN36B	655M13	High duty ears for aircraft, auto and heavy vehicle transmission components, steering worms, track rod pins, gudgeoned pins, riming wheels, breech mechanisms and small arms parts.

Quality Process & Certifications

➤ Systems & Processes:

An Integrated Management System (IMS) for the Steel Division with Ambro Steel Wadeville as head office, is in the development phase with anticipated completion being November 2019. The Integrated Management System will include ISO 9001:2015 – Quality, ISO 14001:2015 – Environmental, ISO 45001:2018 – Occupational Health and Safety as well as ISO 27001 – Information Security management system standard requirements. The purpose of our IMS is to demonstrate that the Steel Division:

- have the ability to consistently provide products and services that meet and conform to customer, statutory and regulatory requirements;
- provide safe and healthy workplaces by preventing work-related injury and ill health;
- manage our environmental responsibilities in a systematic and sustainable manner; and
- Have adequate and proportionate information security controls.

We achieve the above intended outcomes through the effective implementation of our IMS which integrates all our systems and processes into one complete framework enabling us to work as a single unit.

➤ Product traceability and quality:


















All delivery notes is accompanied with a material test certificate.

Further mechanical testing is available upon request.

Material is barcoded and color-coded upon receiving, each barcode is attached to a T number that identifies each individual bar, the T number and barcode is attached to a cast number for traceability purposes.

Your delivery note will have a cast number on for each piece of material that was supplied for future reference.

Below is a copy of our colour codes for customer reference:

SUPPLIERS OF THE LARGEST RANGE OF SPECIAL STEELS IN S.A.			
COLOUR	QUALITY OF STEEL	NEW 6 DIGIT NO.	TENSILE STRENGTH
	EN 1A BRIGHT LEADED STEEL HEX AND ROUND	9SMnPb28	36-50 kg/mm ² (23-32 tons/inch ²)
	EN 1A BRIGHT FREE-CUTTING STEEL	220M07	36-50 kg/mm ² (23-32 tons/inch ²)
	EN 3B - BRIGHT MILD TURNED & DRAWN STEEL	070M20	44-50 kg/mm ² (28-32 tons/inch ²)
	EN 8 BRIGHT TURNED & DRAWN STEEL HEX AND ROUND	080M40	50-60 kg/mm ² (32-38 tons/inch ²)
	BRIGHT MILD STEEL FLATS AND SQUARES		44-55 kg/mm ² (28-32 tons/inch ²)
	EN 3A - BLACK	070M20	44-50 kg/mm ² (28-32 tons/inch ²)
	EN 8 BLACK HEX AND ROUND	080M40	50-60 kg/mm ² (32-38 tons/inch ²)
	EN 8 NORMALISED	080M40	50-60 kg/mm ² (32-38 tons/inch ²)
	EN 9* 55° CARBON STEEL	070M55	70-86 kg/mm ² (45-55 tons/inch ²)
	EN 9 NORMALISED	070M55	70-86 kg/mm ² (45-55 tons/inch ²)
	EN 19 HEATED TREATED STEEL TO CONDITION	709M40	86-102 kg/mm ² (55-65 tons/inch ²)
	EN 19 AS ROLLED	709M40	86-102 kg/mm ² (55-65 tons/inch ²)
	EN 24 HEAT TREATED STEEL TO CONDITION	817M40	86-102 kg/mm ² (55-65 tons/inch ²)
	EN 24 AS ROLLED	817M40	86-102 kg/mm ² (55-65 tons/inch ²)
	EN 36B CASE HARDENING STEEL	655M13	102 kg/mm ² (65 tons/inch ²)
	HOLLOW BAR		55 kg/mm ² (35 tons/inch ²) Minimum
	KEYSTEEL	C45K	

Other materials and services offered are:

- Forgings • Keys • Non-Ferrous • Ultrasonic and Chemically Analysed Materials • Precision Bandsawing
(This service is extended to the sawing of customers' own material)

Customized Steel Solution



Ambro Steel is able to offer any solution to our customer's requirements. Our vast range of suppliers, both local and international, opens a world of opportunities.

Unique offerings such as forgings up to 1400mm in diameter, castings and semi-finished products in all grades and size requirements are available from our extensive range of products.

UT Testing

Ambro Steel offers our own in house Ultrasonic testing to AQL II free of charge on products bought from us.

Imported material conforms to the internationally recognised CC spec

Both specs are available upon request

Contact us:

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