

AUSTENITIC STEEL

DGC AFRICA cut and process all Austenitic grades of steel. The modernised **NOMAG™** steels incorporate excellent forming and welding characteristics. The Balanced Austenitic structure enables it to be used in a variety of applications including where corrosion resistance and sliding coefficient are critical to performance.

NOMAG STEEL GRADE PROPERTIES

TENSILE STRENGTH:	515 MPa
YIELD STRENGTH:	205 MPa
ELONGATION (% IN 50mm):	40
HARDNESS:	201 Brinell (HB) 92 Rockwell (HR B)

PLATE SIZE

Plate widths and lengths vary based on thickness of plate.

CHEMICAL COMPOSITION

A typical plate consists of the following chemistry limits (%).

Cr = 18-20 C = 0.08 Si = 0.75 Ni = 8.0 - 10.5

SUPPLIED TO CUSTOMER REQUIREMENTS

- Wear strips or full plates
- Cut to size, with or without plug weld holes / slots or bolt holes
- Stud welded
- Formed to shape



BENEFITS

- Low cost.
- Weldable, with precautions.
- *Non Magnetic
- Smooth Surface

APPLICATIONS

- Chutes
- Feeders
- Deflector / Impact Plates
- Stackers / Reclaimers



DISCLAIMER: The magnetic susceptibility of **NOMAG™** steel is dependent on a number of factors including its structure, the concentration of iron, and whether or not it has become 'work-hardened'. Strictly speaking, austenitic steels such as **NOMAG™** in their annealed condition are not magnetic - unless, they have been work-hardened.



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