

Steel - Nord-Lock®



This alloy has Boron added to improve wear resistance while allowing for various methods of heat treatment.

This hardened grade is suitable for use with fasteners up to a grade of 12.9.

This grade is also often known as either 1.7182 or 27MnCrB5

Chemical Content	%
Carbon (C)	0.24 to 0.3
Silicon (S)	Max 0.4
Manganese (Mn)	1.1 to 1.4
Phosphorus (P)	Max 0.025
Chromium (Cr)	0.3 - 0.6
Boron (B)	0.0008 - 0.005

Physical Properties	Nominal Value
Density	7850 kg/m ³
Hardening	Through Hardened
Temperature Range	-50°C to 200°C

Mechanical Properties	Nominal Value
Hardness	> 465 HV

The information provided in this datasheet is based upon average values and is intended for guidance purposes only. Vital Parts assumes no responsibility or liability for the accuracy of the information contained on this datasheet. Product samples are available for the to determine the suitability of the product for any application.