



BICO STEEL

C1022

Low Carbon Steel

C1022 Specifications

Specification	C1022
Type of Steel	Carbon
Thickness (Max. in.)	20
Chemical Composition	Unless a range is specified, individual values are maximums
Carbon	.17 / .23
Manganese	.70 / 1.00
Phosphorus	.040
Sulfur	.050
Silicon	-
Molybdenum	-
Chromium	-
Nickel	-
Other Elements	-
Remarks	-

Machinability of a material can be defined as the ease with which it can be machined. Machinability depends on the physical properties and the cutting conditions of the material.

Machinability can be expressed as a percentage or a normalized value. The American Iron and Steel Institute (AISI) has determined AISI No. 1112 carbon steel a machinability rating of 100%.

Machinability of some common material related to AISI No. 1112 are indicated in the table below:

Carbon Steels
1015 - 72%
1018 - 78%
1020 - 72%
1022 - 78%
1030 - 70%
1040 - 64%
1042 - 64%
1050 - 54%
1095 - 42%

NOTE: **Per the American Iron and Steel Institute (AISI)