



BLAIR

STRIP STEEL COMPANY

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HOW DOES FULLY-PROCESSED COLD ROLLED COMPARE TO "ONE-PASS", "GAUGE-CORRECTED" AND "ANNEALED HOT ROLL" ?

Some applications don't require the tolerances or uniform characteristics of "fully-processed" cold rolled strip. Once reviewed by a metallurgist, processing might be limited to only those operations required to successfully make the application, allowing us to provide cost savings.

The following detail provides broad characteristics for each type of flat-rolled strip product:

COLD ROLLED STRIP

Grades: All Grades - Low Carbon, HSLA, High Carbon and Alloy
Processes: Full Cold Reduction, Annealed, Temper Passed, Slit/Shear
Properties: Lowest Hardness, Highest Accuracy and Consistency of Surface Finish, Dimensional and Physical Properties

ONE-PASS STRIP

Grades: Typically Low Carbon and HSLA
Processes: Intermediate Rolled to Meet Hardness Specifications, Slit
Properties: Intermediate Hardness, Accuracy and Consistency depends on the amount of Reduction taken to maintain hardness

ONE-PASS & ANNEALED HOT ROLLED STRIP

Grades: Typically High Carbon and Alloy
Processes: Intermediate Rolled to Meet Gauge Tolerances, Annealed
Properties: Moderately Low Hardness, Moderately High Spheroidization, Good Thickness tolerances, Moderate Surface Improvement

GAUGE-CORRECTED SHEET

Grades: All Grades - Low Carbon, HSLA, High Carbon and Alloy
Processes: Lightly Rolled to Improve Thickness Tolerances, Slit
Properties: Moderately Soft due to Rolling depending on grade and reduction, Good Thickness tolerances, Minimal Surface Improvement

ANNEALED HOT ROLLED SHEET

Grades: Typically High Carbon, Alloy and Low Carbon
Processes: Annealed, Slit
Properties: Moderately Low Hardness, Improved Spheroidization, No Change to the Original Surface and Thickness Tolerances or Variation