



COLD ROLLED HIGH CARBON & ALLOY

Grades (High Carbon / Alloy): SAE Grades 1030 through 1074, 4130, 4140. Other SAE Alloy Grades Available Upon Request.

Qualities Available: Specified Hardness (Available as Min / Max, or Rockwell B 15 Point Min Range Required), Full Hard Processed, Full Hard Unprocessed (WCI's standard product is supplied as fully processed).

Finishes: Light Matte (45 Max AA Typical).

Options: Mill Oil, Edge Sealant.

Coil ID: 20" or 24" Available.

Coil Weights: Subject to slab weight and welding restrictions.

Applicable Specifications: SAE J403, SAE J404.

COLD ROLLED SHEET

Product by SAE Steel Grades	Thickness Range Ordered Minimums	Maximum Width
CR High Carbon		
Grades SAE 1030 – 1035	0.025"-0.044"	38"
	0.045"-0.075"	36"
Grades SAE 1040 – 1055	0.025"-0.075"	36"
Grades SAE 1060 – 1075	0.030"-0.072"	36"
Grades SAE 1050, 1070, 1075	<0.025" *	36"
* Under Development, Please Inquire		
CR Alloy		
Grade SAE 4130	0.030"-0.050"	36"
	0.051"-0.072"	34"
Grade SAE 4140	0.030"-0.072"	34"
All Other Alloy Grades	Please Inquire	

CR High Carbon & Alloy Product Tolerances:

Thickness Tolerance (Inches) - All Over (+)						
Width	>.098	>.071-.098	>.057-.071	>.039-.057	>.019-.039	.014-.019
Thru 15"	0.005	0.005	0.005	0.004	0.003	0.002
Over 15"	0.006	0.005	0.005	0.004	0.003	0.002

CR High Carbon & Alloy Specified Hardness Capabilities:

Hardness Max (HRB)	Chemistry Limits	Hardness Min (HRB)	Chemistry Limits
74 Max	SAE 1030 SAE 1035 SAE 1050	78 Min	SAE 1065 SAE 1074
76 Max	SAE 1030 SAE 1035 SAE 1050	80 Min	SAE 1065 / 1070 SAE 1074
78 Max	SAE 1030 SAE 1035 SAE 1050	Hardness Range (HRB)	Chemistry Limits
80 Max	SAE 1030 SAE 1035 SAE 1050	70 / 82	SAE 1030 SAE 1035 SAE 1050 SAE 1065 SAE 1070
82 Max	SAE 1030 SAE 1035 SAE 1050 SAE 1065 SAE 1070	70 / 84	SAE 1030 SAE 1035 SAE 1050 SAE 1065 SAE 1070 SAE 1074 / 1075
84 Max	SAE 1050 SAE 1055 SAE 1065 SAE 1070 SAE 1074 / 1075 SAE 4130 / 4140	73 / 83	SAE 1050 SAE 1065 SAE 1070
86 Max	SAE 1050 SAE 1055 SAE 1065 SAE 1070 SAE 1074 / 1075 SAE 4130 / 4140	75 / 95 *other hardness requirements – subject to inquiry	SAE 1050