GUIDE TO SELECTION

HOT ROLLED SHEET & COIL

COMMERCIAL STEEL — Of this type is low cost steel stock, soft enough to hand form or roll in any desired outline and shape. Surface is smooth, with occasional small imperfections which may be removed or buffed out in cold finishing. Surface has normal mill scale. Conforms to AISI 21 steel bodies. Used for general sheet metal work, and many other applications where surface finish is not critical.

PIECED-AND-CLED — Aesthetically pleasing steel strip, readily available at low cost in all standard tread plate patterns. Used in architectural and industrial applications where appearance is important. Commonly used in commercial walkway and interior applications. Conforms to AISI 21 steel bodies. Surface finish is smooth, with occasional small imperfections which may be removed or buffed out in cold finishing. Surface has normal mill scale. Conforms to AISI 21 steel bodies. Used for general sheet metal work, and many other applications where surface finish is not critical.

DRAWING STEEL — Type B — Used in cold forming or drawing operations for applications where surface finish is important. Surface is smooth, with occasional small imperfections which may be removed or buffed out in cold finishing. Surface has normal mill scale. Conforms to AISI 21 steel bodies. Used for general sheet metal work, and many other applications where surface finish is not critical.

HIGH STRENGTH/LOW ALLOY SHEETS

Here much higher minimum yield strengths, improved formability, weldability and/or atmospheric corrosion resistance are utilized, but at a higher cost. These steels are typically used in applications where weight reduction is a prime factor. They are often used in automotive, construction, and building applications.

CONVENTIONAL TYPE A516 (former: ASTM A60) — Lower cost HSLA steels noted for specific minimum yield strength, where atmospheric corrosion resistance is not critical. Conforms to A516 steel bodies. Surface finish is smooth, with occasional small imperfections which may be removed or buffed out in cold finishing. Surface has normal mill scale. Conforms to AISI 21 steel bodies. Used for general sheet metal work, and many other applications where surface finish is not critical.

IMPROVED ATMOSPHERIC CORROSION RESISTANCE TYPE A572 (former: ASTM A70) — Two to four times more resistant to atmospheric corrosion on a weight basis than carbon steel. Lightly cold rolled, bright annealed in a nitrogen atmosphere and polished. Conforms to A572 steel bodies. Surface finish is smooth, with occasional small imperfections which may be removed or buffed out in cold finishing. Surface has normal mill scale. Conforms to AISI 21 steel bodies. Used for general sheet metal work, and many other applications where surface finish is not critical.

IMPROVED FORMABILITY TYPE 55K (former: ASTM A715) — Maximum formability with improved toughness and fatigue resistance. Good weldability. Available with minimum yield strength ranging from 50 KSI to 80 KSI. Used when fabrication produces severe bending and forming distortion. Conforms to AISI 21 steel bodies. Surface finish is smooth, with occasional small imperfections which may be removed or buffed out in cold finishing. Surface has normal mill scale. Conforms to AISI 21 steel bodies. Used for general sheet metal work, and many other applications where surface finish is not critical.

COLD ROLLED SHEET & COIL

COLD ROLLED STEEL — Cold rolled steel is a process that is used to convert carbon steel into a more rigid, hard material. The process is used to produce a wide variety of products, including sheet metal, pipe, and structural shapes. Cold rolled steel is typically used in applications where strength and formability are important. It is often used in the automotive industry, where it is used to produce parts such as frame members and suspension components.

High carbon content steel is often used in applications where high strength and hardness are required. It is often used in the manufacturing of tools and dies, as well as in the production of high-strength parts for the automotive and aerospace industries.

Galvanized Sheet & Coil

Galvanized sheet & coil is a type of steel that has been coated with a layer of zinc. This coating is used to protect the steel from corrosion, which can occur when the steel is exposed to moisture, oxygen, or other corrosive substances. Galvanized sheet & coil is commonly used in applications where durability is important, such as in the construction of buildings, bridges, and other structures.

Aluminized Sheet & Coil

Aluminized sheet & coil is a type of steel that has been coated with a layer of aluminum. This coating is used to reflect sunlight and heat, which can help to keep the temperature inside buildings and other structures lower. Aluminized sheet & coil is commonly used in applications where temperature control is important, such as in the construction of solar panels, greenhouses, and other structures.