4140/4340/8620 A514 Alloy Plate

China United Iron and Steel Limited are a stockist for Alloy Plates.

4140/4340/8620 A514

Alloy Plate – 4140/ 4340/ 8620 - ASTM A 829

Standard specification for Alloy Steel Plate Furnished to Chemical Composition Requirements

ASTM A 829 was first issued in 1984; prior to that these grades were defined by AISI specifications.

This specification covers structural quality alloy steel plates furnished to chemical composition requirements only. There are no tensile requirements or other mechanical property requirements for this specification.

The ASTM A 829 specification covers 30 standard chemistries. Oliver Steel offers these chemistry-only alloy plate grades in the three most commonly used chemistries. 4140 is the standard for medium carbon chromium-molybdenum alloy with excellent response to quench-and-temper and moderate through hardening capabilities; at Oliver, our 4140 is modified to include a small amount of vanadium for even better hardening. 4340 includes nickel for higher overall hardness and superb through hardening. 8620 is alloyed for as-rolled core strength but can be readily carburized.

General requirements for delivery

Material shall conform to the requirements of ASTM A 6.

ASTM A514

Standard specification for High-Yield-Strength, Quenched and Tempered Alloy Steel

This specification covers quenched and tempered alloy steel plates of structural quality in thickness of 6 in. and under.

The low carbon content of this grade allows it to be used in welded structures; suitable welding procedures for the grade and intended use are required.

This grade must be made to a fine grain practice and shall be killed

General requirements for delivery

Material shall conform to the requirements of ASTM A 6.

If you have any other requirement for steel plate, please feel free to contact us.