

# C45 Plate & Duplex 2205 Pipe

C45 plate is one of the best materials in the industries which requires strength and wear-resistance at a very high level. This medium carbon steel which is a very common choice for the manufacture of machinery, shafts, and gears, gives a good balance of hardness and toughness. [C45 plates](#) have approximately 0.45% carbon and are typically in the quenched and tempered condition which bestows them with the characteristics of high tensile strength and fatigue resistance that are necessary in the automotive and construction industries.



For outdoor exposure situations, pipes made of [Duplex 2205 Pipe](#) can be one of the best choices. They have a perfect mix of features: corrosion resistance and stress corrosion cracking resistance. It combine two types of stainless steel: austenitic and ferritic. These materials are mainly used in petrochemical, oil and gas, and desalination industries. These pipes are operating best in environments of chlorides, acids, and other aggressive chemicals.



Unless you get your C45 plate and Duplex 2205 pipe from reliable vendors, it will be very difficult if not impossible to guarantee that they will be high quality, and adhere to the global standards. Company located in Riyadh, Dammam, or Jeddah can find trustworthy and reliable suppliers without any difficulty through pipingmaterial.sa, which is a platform for genuine buyers and trustworthy sources. Therefore, companies that require particular material grades can get the highest quality products that meet their technical specifications and standards.