

Westgate

C-22

(UNS N06022) W. Nr. 2.4602

Chemical composition	C	Mn	Si	S	P	Cr	Mo	Co	Tu	V	Ni
% Present (Max)	0.1 5	0.5	0.0 80	0.0 20	0.0 20	22.5	14. 5	2.5	3.5	0.3 5	Bal

Alloy C22 is most Flexible Austenitic Tungsten added Nickel-Chrome-Molybdenum Alloy with increased resistance to stress, crevice & pittings corrosion. Most suitable alloy for chemical process applications in as-welded conditions. Alloy C22 has excellent overall general & localized corrosion resistance. C22 is primarily known corrosion resistant alloy for chemical process industry. C22 has highest inclass pitting resistance. Alloy C22 has excellent resistance to crevice corrosion & stress corrosion cracking. Chromium alloy provides resistance to oxidizing medium while molybdenum & tungsten provides resistance to reducing medium. Alloy C22 also has good resistance to diluted oxidizing acids like chlorides, formic acid, acetic acid, ferric & cupric acids.

Note: Values are in accordance with EN 10088 specifications. Actual mill certs available upon request.

