

HOT WORK TOOL STEELS

this group includes steels for tools used to fabricate tooling intended for non-continuous use in operating conditions, where the tool works at temperatures in the range 450°C - 600°C. In this group we can find, for example, the grade 2365 (30CrMoV1227KU), steel characterized by extensive possibilities of heat treatment and excellent characteristics of use. The higher Mo content endows this steel with excellent toughness, good tempering strength, high resistance to shocks and to thermal fatigue. It can be cooled in service with water. The main applications are : die for the pressure casting of heavy alloys with high melting temperature, liners, spindles and other parts for extrusion presses, tooling for the production of nuts and bolts, single block inserts and dies for presses. In this family we find the brands 2714, 2365, 2343 and 2344.