MOULD & DIE SOLUTIONS

Material Applications

Applications	Characteristics
1.1730 *Unhardened: for the construction of moulds and tools of big dimensions, clamping-plates, leader pins etc.*	***1.1730*** *Unalloyed tool steel, easy mechanization, high tensile-strength.*
1.2083 *Mould inserts.*	***1.2083*** *Stainless steel, corrosion resistant for moulds working with chemical aggressive materials. Excellent polishing and machining properties.*
1.2085 *Moulds and mould components for the plastic injection. Not indicated for inserts.*	***1.2085*** *Stainless steel, corrosion resistant for moulds with high sulphur contents compared to 1.2316 ISO-B MOD. Excellent machining properties.*
1.2312 *Core parts for pressing injection dies, moulds assemblies. For blacking tools; built on parts with increased stressing, baseplates, frames, die sets.* *For diecasting dies: frames and assembling parts with low operating stress.*	***1.2312*** *Hardened and tempered steel for moulds for the plastic industry, sulphur alloy, easy mechanization.* *Not indicated for polishing, acid engraving and hardchrome.*
1.2316 *Larger plastic moulds and inserts for the manufacture of chemically sensitive materials, such as P.V.C. , amino plastics and similar materials, in particular for extrusion tools for production of window profiles, sizing tools blowing moulds, sheet dies.*	***1.2316*** *Stainless steel, resistant to corrosion, hardened and tempered. Good resistance to wear and polishing, high tensile strength.*
1.2344 *Dies for the extrusion of tubes and profiles.* *Plastic mouls for large productions, mould inserts exposed to abrasion as in the case of the transformation of hards plastics, thermoplastics and compounds.* *Die casting, mould inserts, slides, core parts, ejector pins and filling bushes.*	***1.2344*** *Chromium-molybdenum-vanadium based special-alloy hot working steel. Very good retentivity of hardeness, good toughness; good hardeness at elevated temperatures, very good compression strength, insensitive to thermal shocks, better resistance to wear than 1.2343, good machinability in the annealed condition, can be cooled in water with limitations.*
1.2711 *Tools for pressure and injection moulds with high mechanical and thermal stress.* *Special qualities as excelllent high-polishable. Mould tools for thermohardenables subject to abrasion. Forging dies. Hardening and tempering is only indicated after roughing.*	***1.2711*** *High tensile strength, resistant to compression, excellent polishing qualities. Nitratable, indicated for hard platable, high-polishable with capacity for textures.*
1.2738 *Pressure and plastic injection moulds of big dimensions as for bumpers, panels and instruments, chairs, rubbish containers. Bottle cases, TV-boxes, frames for aluminium injection moulds.*	***1.2738*** *Hardened and tempered steel for high pressure and plastic injection moulds with thicknesses over 400mm. Same properties as 1.2311 ISO-BM but better hardening qualities.* *Homogeneous hardening structure all over the section, indicated for grain-reliable, polishing, hard platable. Easy mechanization. Nitratable.*