



HS CR7

HOT WORKING DIE STEEL

Introduction

Hot working die steel. Under the conditions of high hardness ($\geq 55\text{HRC}$), HS CR7 still has good red hardness and abrasion resistance, as well as good toughness. Therefore, it is widely used in hot stamping forming and hot forging dies.

Chemical properties

Steel Grade	C	Si	Mn	P	S	Cr	Ni*	Cu*	Mo	V
HS CR7	0.40-0.44	0.40-0.60	0.30-0.50	≤ 0.015	≤ 0.003	6.30-6.70	≤ 0.25	≤ 0.25	1.25-1.35	0.75-0.85

* residual content allowed

Application

- It is used in hot stamping die and hot forging die.

Features

Under the premise of high hardness, it still has good thermal yield strength, thermal crack resistance, high-temperature wear resistance and plastic deformation resistance in high temperature.