



Grade	Code	AISI	Hot Work Tool Steel
1.2365 ESR	32CrMoV12-28	H10	

Steel Properties

1.2365 ESR is a Chromium-Molybdenum-Vanadium-alloyed hot working tool steel with excellent hot wear resistance, good toughness, excellent temperature strength and thermal shock resistance. May be water-cooled to a limited extent. Suitable for cold hobbing.

Chemical Composition (1.2365 ESR)

C %	Si %	Mn %	Cr %	Mo %	Ni %	V %	W %	Co %	Sonst.
0,32	0,30	0,35	3,00	2,80	-	0,5	-	-	-

Suitable for

1.2365 ESR is used on dies and die inserts, plastic moulds, tools for the manufacture of nuts, bolts and rivets, tools for forging machines, highly stressed tools for extrusion of copper alloys (liners, dies) and of light metal (bolsters, mandrels), pressure casting dies for brass and light metal.

Remarks

Enhanced cleanness and homogeneity in comparison to conventional melted 1.2365. Preheating before use: 250 - 300 °C – is recommended.

Specification

1.2365 ESR, 32CrMoV12-28, H10