



Grade	Code	AISI	High Speed Steel
1.3247	HS2-9-1-8	M42	

### Steel Properties

1.3247 is a Mo-Co-alloyed, high-carbon high-speed steel with high secondary hardenability, high wear resistance, red hardness and good toughness. As a result of its low vanadium content, this grade exhibits good grindability.

### Chemical Composition (1.3247)

C %	Si %	Mn %	Cr %	Mo %	Ni %	V %	W %	Co %	Sonst.
1,10	< 0,70	< 0,40	4,00	9,50	-	1,10	1,50	8,00	-

### Suitable for

1.3247 is used on tools subject to severe mechanical wear (e.g. in case of small cross-section cuts at high cutting speeds). 1.3247 is particularly suitable for die-sinking cutters, milling cutters and engraving machines including gravers as well as for tool bits in automatic lathes. Also suitable for noncutting shaping (e.g. cold extrusion rams and tools employed in machining materials for the aviation industry such as titanium alloys). 1.3247 is also used on broaches, cutters, twist drills, taps, cutting tools and cold work punches.

### Remarks

### Specification

1.3247, HS2-9-1-8, M42