

Material Grade: **1.2344**
 Material Condition(s): **Annealed (Spherodised)**
 Surface Finish: **Rough peeled**

Associated Standard: **Werkstoff**

Description:

1.2344 is a hot work chromium-molybdenum-vanadium tool steel. It has excellent working properties and offers high temperature strength and wear resistance.

Typical applications: **Hot forging and pressing dies subject to severe abrasion, hot punching, piercing and trimming tools, shear blades, plastic moulds, extrusion dies for aluminium, copper and brass.**

1. STEELMAKING

	<u>C</u>	<u>Si</u>	<u>Mn</u>	<u>S</u>	<u>P</u>	<u>Cr</u>	<u>V</u>	<u>Mo</u>
Min	0.35	0.80	0.25			4.80	0.85	1.20
Max	0.42	1.20	0.50	0.020	0.030	5.50	1.15	1.50

2. TYPICAL MECHANICAL PROPERTIES

Test type	Tensile and hardness test (at room temperature)						
	Yield (Re)	0.2 % proof	UTS (Rm)	Elong (A)	R of A (Z)	Hardness	
Unit	N/mm ²	N/mm ²	N/mm ²	%	%	HB	HV
Annealed	Min						
	Max					229	