

I Buderus Hot Work Tool Steel 2344 ISO-B

	C	Si	Mn	P	S	Cr	Mo	V
Typical analysis	0.40	1.05	0.40	0.025	0.003	5.20	1.40	1.00
Chemical composition as per SEL	0.35–0.42	0.80–1.20	0.25–0.50	≤0.030	≤0.020	4.80–5.50	1.20–1.50	0.85–1.15

Figures in % by mass

Characteristics

CrMoV alloyed hot work tool steel with double V content compared to grade 2343 ISO-B. Very good tempering properties, good toughness, good hardness at high temperatures, very good compressive strength, insensitive to thermal shock. Better wear resistance than grade 2343. Good machinability in the annealed state. Can be cooled in water with limitations.

Applications

Extrusion tools including pipe extruders: highly stressed mould inserts, dummy blocks, extrusion stems, die holders, stem heads; especially for profile dies, insert and bridge type tools for compacting light alloys, liners and line holders.

Highly stressed plastic moulds, mould inserts with abrasive stress, as occurs when processing thermo-setting plastics, thermoplastics and composite materials.

Die-casting moulds and mould inserts, sliders, cores, ejectors and filling sleeves.

Delivered condition

Annealed to max. 229 HB

Stacking Program

Format thickness x width in mm. bars available in random lengths of 3-5 m

Height Width	130	150	180	210	260	310	360
310	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
410	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
510	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ROUNDS (all in mm)
Ø180, Ø210, Ø260, Ø310mm