

# Buderus Plastic Mould Steel Thruhard Supreme® TS(HH)

	C	Si	Mn	P	S	Cr	Ni	Mo	V
Typical analysis	0.26	0.10	1.45	0.015	0.002	1.25	1.05	0.50	0.12

Figures in % by mass

## Characteristics

Recently developed plastic mould steel, distinguished from grades 2311 and 2738 by:

- Higher hardness and better through-hardenability
- Polishability up to 600 grit
- Grain reliability even with sensitive etch-graining designs
- Improved weldability
- Higher thermal conductivity.

Nitridable, hard chrome plateable, flame hardenable as delivered; its higher basic hardness provides better support for surface finishing (such as PVD coating).

## Applications

Compression and injection moulds to accommodate large dimensions such as bumpers, dashboards, chairs, rubbish bins, bottle crates, television cabinets, etc.

## Delivered condition

- HighHard:  
Quenched and tempered to 310–355 HB ( $\Delta$  approx. 1050–1200 MPa)\*

## Stocking Program

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

Width Thickness	160	200	250	300	350	400	500	600	810	1020	1210
125				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
150				<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"/>
175						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
200		<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"/>
225			<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"/>	<input checked="" type="checkbox"/>
250								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
300							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
350										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
400								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
450									<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
500										<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
610									<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
710									<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
810									<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
910										<input checked="" type="checkbox"/>	
1010											<input checked="" type="checkbox"/>