Buderus Corrosion-Resistant Plastic Mould Steel 2316 ISO-B MOD

	C	Si	Mn	P	S	Cr	Ni	Mo
Typical analysis	0.28	0.30	0.95	0.030	0.003	14.2	~ 0.50	1.10
Chemical composition as per SEL	0.33–0.45	≦ 1.00	≦ 1.50	≦ 0.030	≦ 0.030	15.5–17.5	≦ 1.00	0.80–1.30

Characteristics

Modified corrosion-resistant plastic mould steel, polishable, etch-grainable, economic to machine.

Applications

Injection moulds, mould inserts, slit dies, profile dies, extrusion tools, drop forging tools and coaxial housings for processing PVC amino plastics and additives; blow moulds.

Important note: When processing amino-plastics and PVC alloys, excessively high temperatures (> 160 °C) can cause formation of highly aggressive cleavage products such as hydrochloric acid HCl, which can corrode the surface of the mould. No mould steel is resistant to that.
The production temperature should therefore not exceed 160 °C.

Delivered condition

Quenched and tempered to 265–310 HB (≙ approx. 900–1050 MPa)*

Stocking Program

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

Width → / Thickness ↓	260	300	350	400	600
40				☑	
70		☑	☑		
85			☑		
95	☑	☑	☑		
125		☑	☑	☑	
130	☑				
350			☑		☑

Rounds (all in mm)

Ø20, Ø30, Ø40, Ø50, Ø60, Ø80, Ø90, Ø105, Ø130, Ø142, Ø160