ALTA ALTA SPECIAL STEEL W.Nr 1.2344

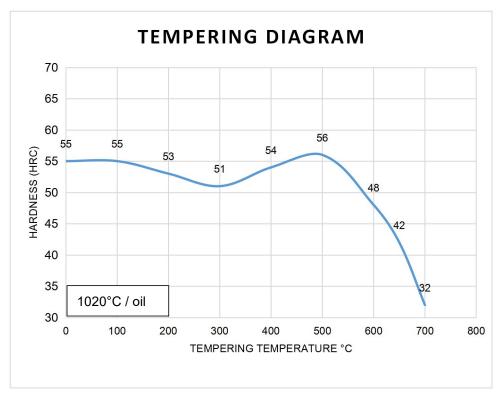
## 1.2344 / H13 Hot Work Tool Steel

STEEL

		DIN			JIS SKD61		ГОСТ 4X5MФ1C		
		1.2344							
		Chemical	composit	<b>ion</b> (typical	analysis in %	)			
С	Si	Mn	P	S	Cr	Мо	V		
0.37-0.42	0.90-1.20	0.30-0.50	≤0.030	≤0.030	4.80-5.50	1.20-1.50	0.80-1.15		
oteer pro	operties :	diameter of tempering plastic pro a very goo and highe The steel i for tools c	of about 150 m and the wear ( perties during r d resistance to r sensitivity to is suitable for th	im), high firm nigher than by iormal and als tearing of the quick change ne heat treatm	ness during th y the steel 1.23 so higher tempe ermal fatigue (lo es of temperatu nent also for firm	e heat and re 43), very good eratures. Furtho ower than by th ure than by the mness over 17	toughness and er the steel has e steel 1.2343) e steel 1.2343.		
Applications :		hot stampi Firm and r molds, inle	Casting dies for aluminum, magnesium and zinc, extrusion dies and adaptor ring, hot stamping and press forge dies, Shear blades for hot work and hot swaging dies. Firm and movable parts meeting the liquid metal, inserts of functional parts of core molds, inlet cases, slide-valves, dividers etc.The steel can also be used for tools for hot cutting, small and middle-sized shear blades, trimming dies and cutting thorns.						
Size range :		Diameter	(mm)	Thickness (r	mm)	Width (mm)			
		6 - 500		6 - 400		Max 810			
Delivery	condition	Soft anne	aled to max. 22	9 HB					

## **Heat Treatment:**

Soft annealing	Temperature(°C)	Cooling	Hardness	
	750 - 780	furnace	max. 229 HB	
Forging	Temperature(°C)	Cooling		
	900 - 1100	furnace		
Hardening	Temperature(°C)	Cooling	Tempering	
	1010 - 1030	oil or air	see tempering diagram	



Remarks: All technicial information is for reference only.

## **ALTA SPECIAL STEEL**

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