



Nichtrostender Stahl

Werkstoff Nr. 1.4112
(X90CrMoV18)

Härtbarer, korrosionsbeständiger Stahl, gut zerspanbar, polierbar, magnetisch

Verwendungsmöglichkeiten:

Elemente in der Kunststoffverarbeitung, Werkzeuge in der Lebensmittelindustrie, Messer und Schneidwaren, Kugellager, Spritzdüsen

Lieferung PRÄZI Flachstahl:

500 mm Länge mit Bearbeitungsaufmaß, in Plattenform mit rechteckigem Querschnitt, weichgeglüht max. 265 HB (max. 880 N/mm²)

Richtanalyse:

C	Si	Mn	P	S	Cr	Mo	V
0,95	1,0	1,0	0,04	0,015	19	1,3	0,12

Wärmebehandlung:

Spannungsarmglühen	600 - 650 °C
Weichglühen	780 - 840 °C
Härten	1000 - 1050 °C
Abschrecken	Öl, Warmbad 500 °C
Anlassen	100 - 500 °C



Stainless steel

Material AISI 440B

Hardenable, corrosion resistant steel, good machinability, polishable, magnetic

Range of application:

Parts for plastic processing, tools in the food industry, blades and cutting goods, ball bearings, injection nozzles

PRÄZI flat steel supplied:

Length 500 mm with machining allowance, in plate form with square cross section soft annealed max. 265 HB (max. 880N/mm²)

Standard analysis:

C	Si	Mn	P	S	Cr	Mo	V
0,95	1,0	1,0	0,04	0,015	19	1,3	0,12

Heat treatment data:

Stress-relief annealing	600 - 650 °C
Soft annealing	780 - 840 °C
Hardening	1000 - 1050 °C
Quenching	Oil, warm bath 500 °C
Tempering	100 - 500 °C



Acier inoxydables

Mat. AFNOR Z90CDV18

Acier, apte au traitement par trempe et résistant à la corrosion, bien usinable, polissable, magnétique

Possibilités d'utilisation:

Élément de la traitement des matières plastiques, outils de la industrie agro-alimentaire, couteaux et articles de coutellerie, roulement à billes, buse d'injection

Livraison acier plat PRÄZI:

Longueur 500 mm avec surépaisseur d'usinage, en plaques de section rectangulaire, recuit doux max. 265 HB (max. 880 N/mm²)

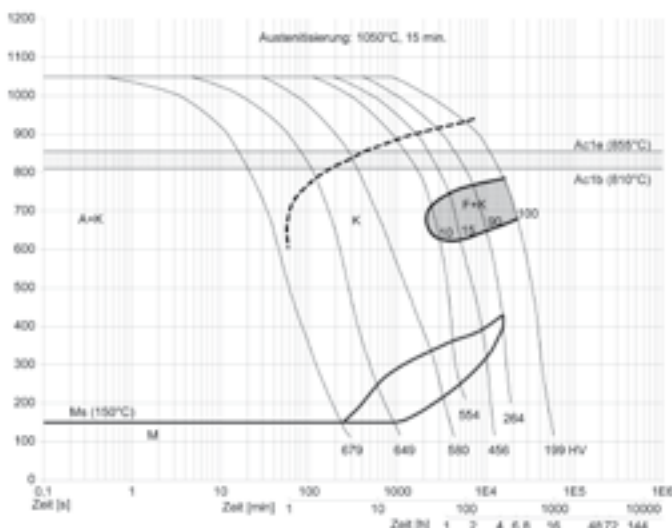
Analyse théorique

C	Si	Mn	P	S	Cr	Mo	V
0,95	1,0	1,0	0,04	0,015	19	1,3	0,12

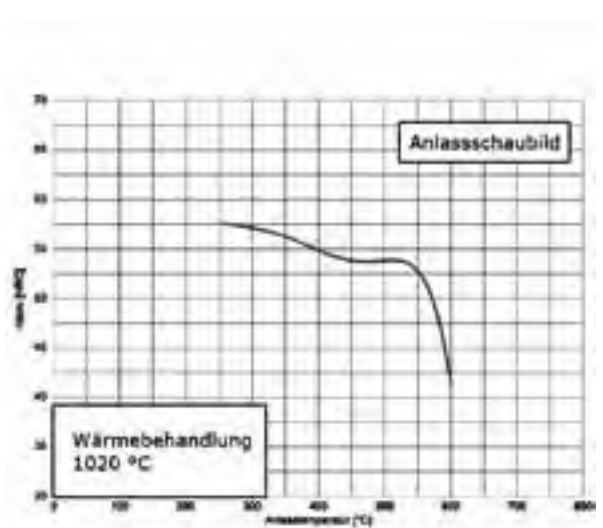
Traitement thermique:

Recuit de détente	600 - 650 °C
Recuit d'adoucissement	780 - 840 °C
Trempe	1000-1050 °C
Refroidissement	Huile, air ou bain chaud 500 °C
Revenu	100 - 500 °C

Kontinuierliches Zeit-Temperatur-Umwandlungsschaubild
Continuous time-temperature conversion diagram
Diagramme TTT refroidissement continu



Anlassschaubild
Tempering diagram
Diagramme de revenu



Hinweis: Die in diesem Datenblatt enthaltenen Angaben dienen der Beschreibung, eine Haftung ist ausgeschlossen.

PRÄZI Platten mit Bearbeitungsaufmaß 500 mm

mm	Dicke • Thickness																
	2,3	3,3	4,3	5,3	6,3	8,3	10,3	12,3	15,3	20,3	25,3	30,3	40,3	50,3	60,3	70,3	80,3
33	●	●	●	●	●	●	●	●	●	●	●	●					
43	●	●	●	●	●	●	●	●	●	●	●	●	●				
53	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
63	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
73	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
83	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
93	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
103	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
123	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
143	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
153	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
163	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
183	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
203	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
223	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
243	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
253	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
263	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
283	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
303	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
323	●	●	●	●	●	●	●	●	●	●							
343	●	●	●	●	●	●	●	●	●	●							
353	●	●	●	●	●	●	●	●	●	●							
363	●	●	●	●	●	●	●	●	●	●							
283	●	●	●	●	●	●	●	●	●	●							
403	●	●	●	●	●	●	●	●	●	●							
423	●	●	●	●	●	●	●	●	●	●							
443	●	●	●	●	●	●	●	●	●	●							
453	●	●	●	●	●	●	●	●	●	●							
463	●	●	●	●	●	●	●	●	●	●							
483	●	●	●	●	●	●	●	●	●	●							
503	●	●	●	●	●	●	●	●	●	●							

Breite • Width

Toleranzen:
Außenkanten gesägt
Dicke +0,4/-0 mm, Breite +3 mm, Länge +20 mm

Tolerances:
Outer edges sawn
Thickness +0,4/-0 mm, Width +3 mm, Length +20 mm

Tolérances:
Flancs extérieurs tronçonnés
Epaisseur +0,4/-0 mm, Largeur +3 mm, Longueur +20 mm

Preise in EURO per Stück • Prices in EURO per piece • Prix en EURO par pièce



1.2842
1.2436
1.2379
1.2767
1.2363
1.2343
1.2343
1.2311
1.2312
1.2312
1.2162
1.2085
1.2083
1.4112
1.3343
1.7225
1.1730
1.0570
Toolox®
Erodier-
blöcke
Sonder-
programm