



1J117

1. Brief introduction:

1J117 is a precision alloy belonging to the category of soft magnetic alloys, specifically iron chromium alloys, with characteristics of corrosion resistance and high saturation magnetic induction strength. This alloy performs well in the application of electromagnetic valve cores working in oxidizing media and hydrazine media.

1J117 soft magnetic alloy is widely used in high-end fields such as aerospace, shipbuilding, and chemical equipment due to its unique high temperature resistance, corrosion resistance, and advanced manufacturing processes.

2. Main specifications:

GB	ASTM/AISI	DIN EN/DIN
1J117(Cr17NiTi)	430FR, 430F	W.Nr1.4105

3. Chemical composition under GB/T 14986.4-2018 standard:

Component	C	Si	Mn	P
1J117	-	-	0.3	-
	0.03	0.15	0.7	0.02
S	Cr	Ni	Ti	Fe
-	17	0.5	0.3	Remainder
0.015	18.5	0.7	0.7	

Remarks: If require adjustments for some chemical compositions, pls consult with us.



Shanghai Hite Special Alloy Co., Ltd.
<https://www.hitealloy.com>

4. Main product types:

wire, rod, bar, strip, plate/sheet, tube, rectangular tube, square tube, ring, forging.

5. 1J117 Source URL:

<https://www.hitealloy.com/product/1j117.html>