

Material Name:

TCA-SMA50

Material Specification:

ASTM A801 Type 1 (UNS R30005)

Typical Chemical Composition:

		C	Mn	Si	P	S	Cr	Ni	Co	V	Fe
Spec.	Max.	0.025	0.15	0.15	0.015	0.010	0.15	0.25	49.50	2.10	Bal.
	Min.								47.50	1.75	
TCA		0.006	0.039	0.017	0.009	0.004	0.08	0.12	48.4	1.97	Bal.

*C, S tested by C/S analyzer

**Other elements tested Spark OES

DC Magnetic Property Requirements:

Product Form		Minimum Magnetic Flux Density kG, (T) for Magnetic Field Strengths of	
		10 Oe (800 A/m)	20 Oe (1.6 kA/m)
Forging Billet	Spec.	15.0 (1.50)	17.5 (1.75)
	TCA	20.53 (2.053)	21.81 (2.181)



Transcrystal Alloy Industrial Corp.
意鑫合金工業股份有限公司

ISO 9001
EN 9100
BUREAU VERITAS
Certification



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