

螺桿/料管材質處理數據一覽表

Heat Treatment statistic for Nan Yun Screws / Barrels

ISO材料編號 材料名稱 材質來源	數據項目	處理時間 (H=小時)	SCM-440 紅十字料 日本大同料	SACM-645 黑十字料 日本大同料	DIN.8550 黑白十字料 德國調質料	SKD-61 工具鋼	不鏽鋼
ISO Mat'l Code Material Supplier	Properties	Treat Time (H = Hour)	SCM-440 Chromolybedenum Alloy Japan Tutung	SACM-645 Aluminum Chromolybedenum Alloy Japan Tutung	DIN.8550 Aluminum Chromolybedenum Alloy Germany Homogenizing Mat'l	SKD-61 Tool Steel	SUS-420J2 Stainless Steel
流程	優點		處理後數據	處理後數據	處理後數據	處理後數據	處理後數據
Process	Features		Data Aft Treated	Data Aft Treated	Data Aft Treated	Data Aft Treated	Data Aft Treated
真空熱處理 Vacuum heat treatment	硬度從表面至底部	硬度 Hardness	X	X	X	HRC 50~52	HRC 43~45
	Hardness From Surface To Bottom	硬度層 Hardness Thickness	X	X	X	表面至底部 Surface To Bottom	HRC 43~45
氮化 Nitrided	耐磨耗	硬度 Hardness	HRC 45	HRC 65	HRC 65	HRC 65 (two times) HRC 65 (二次)	X
	Outstanding Abrasion / Wear Resistance	硬度層 Hardness Thickness	0.3 m/m	0.4 m/m	0.4 m/m	0.4 m/m	X
離子氮化 Ion Nitrided	使用壽命較長	硬度 Hardness	HRC 48	HRC 68	HRC 68	HRC 68 (two times) HRC 68 (二次)	HRC 55
	Longer Life time	硬度層 Hardness Thickness	0.4 m/m	0.6 m/m	0.6 m/m	0.6 m/m	0.3 m/m
中週波 Medium Frequency	製程快速	牙頂硬度 Top Flight Thickness	HRC 55	X	X	X	X
	Faster Processing	硬度層 Hardness Thickness	1.5m/m	X	X	X	X
鍍硬鉻 Hard Chrome Plated	流動性佳	硬度 Hardness	HRC 58	HRC 58	HRC 58	X	X
	Excellent Flowability	硬度層 Hardness Thickness	0.05 m/m	0.02 m/m	0.02 m/m	X	X
磷鎳合金電鍍 Phosphor nickel Alloy Plating	耐高溫 附着密度佳 抗腐蝕	硬度 Hardness	HRC 60	HRC 60	HRC 60	HRC 60	HRC 60
	High temp. Resistant Superior Coating Density Corrosion Resistant	硬度層 Hardness Thickness	0.01~0.02 m/m	0.01~0.02 m/m	0.01~0.02 m/m	0.01~0.02 m/m	0.01~0.02 m/m
材質優點					抗高扭力	耐磨耗性強 耐高溫	耐腐蝕酸性佳
Material Features					High Torque Resistance	Superior Abrasion High Temp. Resistance	Superior Corrosion Resistance