Heat Rreatment statistic for Nan Yun Screws / Barrels

ISO Mat'l Code Maerial Supplier		Features	Treat Time (H=Hour)	SCM-440 Chromolybedenum Alloy Japan Tutung	SACM-645 Aluminum Chromolybedenum Alloy Japan Tutung	DIMI-8550 Aluminum Chromolybedenum Alloy Germany Homogenizing Mat'l	SKD-61 Tool Stell	SUS-420J2 Stainless Steel
Process	Properties			Data Aft Treated	Data Aft Treated	Data Aft Treated	Data Aft Treated	Data Aft Treated
Nitrided	Hardness	Outstanding Abrasion /Wear Resistance	100H	HRC 45°△	HRC65°	HRC65°	HRC65°(二次)	HRC50°
	Hardness Thickness			0.3 m/m△	0.4 m/m	0.4 m/m	0.4 m/m	0.3 m/m×
Ion Nitrided	Hardness	Longer Life time	120H	HRC48°	HRC68°	HRC68°	HRC68°(二次)	HRC60°△
	Hardness Thickness			0.4 m/m	0.6 m/m	0.6 m/m	0.6 m/m	0.5 m/m△
Medium Frequency	Top Flight Thickness	Faster Processing		HRC 55°				
	Hardness Thickness			1.5 m/m				
Hard Chrome Plated	Hardness	Excellent Flowability		HRC 58°	HRC 58°	HRC 58°		
	Hardness Thickness			Single Side 0.05m/m	0.02m/m	0.02m/m		
Phosphor nickel Alloy Plating	Hardness	High temp. Resistant Superior Coating Density Corrosion Resistant		HRC60°	HRC60°	HRC60°	HRC60°	HRC60°
	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
PTA on Top Flight	Hardness	Corrosion Resistant Abrasion /Wear Resistance		HRC50°~60°	HRC50°~60°	HRC50°~60°	HRC50°~60°	HRC50°~60°
	Hardness Thickness			1.5 m/m	1.5 m/m	1.5 m/m	1.5 m/m	1.5 m/m
Material Features						High Torque Resistance	Superior Abrasion / Wear Resistance	Srperior Corrosion Resistance