

3" Z LOCK MANDREL 9-CHROME



DAYE SPECIAL STEEL CO., LTD.
NO. 316 HUANGSHI AVENUE, HUANGSHI, HUBEI, CHINA PC:435000
QUALITY CERTIFICATE
ACC TO EN10204 3.1

**APPROVED**

By John at 11:20 am, Jul 06, 2017

INVOICE NO: GBUSA1780406FEAC

DESCRIPTION OF GOODS: HOT ROLLED QUENCHING AND TEMPERING STEEL BAR

EA PO:1092791 OP, SPEC:EAGL-600 REV.6

Grade		Batch No.		Heat No.		Size		Pieces		Bundles		Weight (MT)		Total Length(FT)		Manufacture Process		Delivery Condition													
9Cr-1Mo		H617068550		7050285M		3"		31		4		6.38		589.924		EAF+LF+VD+IC		quenched and tempered													
Chemical Composition (Wt %)																															
	C	Mn	Si	P	S	Cr	Ni	Mo	Cu	W	Al	V	Nb	Ti	Ca	B	As	Sn	Pb	Sb	Zn	Zr	Co	Cd	[N]	[O]	[H]	DI	Hard factor	CEV /CEI	
Min	0.09	0.30	0.25	0	0	8.00	0	0.90	0																						
Max	0.15	0.50	0.60	0.020	0.010	10.00	0.50	1.10	0.25																						
Ladle	0.12	0.44	0.36	0.009	0.004	8.74	0.22	0.95	0.04																						
Product1																															
Product2																															
Macrostructure Examination(Level)						Non-metallic inclusion (Level)								K4 Method Oxides	Ds	Microstructure		Jominy Test (ASTM A255 HRC-1/16 inch)						Hydrostatic Pressure Test			Drift result	Dimensional inspection	Visual examination		
S	R	C	A		B		C		D		Grain Size	Decarburizing Layer				time	pressure							conclusion							
			T	H	T	H	T	H	T	H		ASTM E112	pcs												mm						
													9-8																		
																														good	good