

FEC CHAIN

CORPORATION

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TEST CERTIFICATE

Distributor:	code #: 1080	distributor's name: ASAO & CO., LTD	
Customer:		customer's name: LK HOIST CO.,LTD	
Article name: (Application)	Load chain for electric chain hoist		
Spec. standard	☐ DIN EN 818-7:2002 , ☐ JIS B 8812:1999 ☐ ISO 3077 , ☒ FEC		
Material spec.:	SAE15B24(Mn-B steel)		
Finish:	☒ temper-colored, ☐ zinc-plated, ☐ coated() ☐ zinc-phosphated, ☐ manganese-phosphated ☒ oiled, ☐ no-oiled		
Stamping:	☐ FEC standard, ☒ customer's request LKA, JAPAN , FEC7 → (Lot. 13,2A,2C,41,42,43,44,4S,4T,4U,4X,4Y)		
Product code#:	FCD07121		
description:	φ 7.1*P21		
quality type	G80/ type-DAT		
Dimention:			Result
Nominal diameter(dn)	[mm]	7.1 +0.0/-0.3	7.0~7.1
Internal width,min.:	[mm]	8.4	8.7~9.3
external width, max.:	[mm]	23.2	22.7~23.1
Nominal pitch 1 t	[mm]	21.0 +0.4/-0.0	21.0~21.2
5 t	[mm]	-	-
11 t	[mm]	231.0 +1.1/-0.0	231.2~232.0
Diameter at the weld(ds), max.:	[mm]	7.6	7.3~7.6
Mechanical properties:			
Working load limit(WLL), max.:	[kg]	1200	-
(drive mechanism g		-	-
Manufacturing proof force(MPF), min.:	[KN]	40	40
Stress at min. MPF		-	-
Guranteed breaking force(BF), min.:	[KN]	63	78.0~88.0
Stress at min. BF		-	-
Total ultimate elongation(A), min.:	[%]	10	12~14
Surface hardness/HV3, min.:	[-]	500	529~593
/HV5, min.:	[-]	-	-
Hardness /HRC, min.:	[-]	-	-
Case depth,min.:	[mm]	0.14	0.16~0.22
Bend deflection(f),min.:	[mm]	no visible defect	OK
Fatigue resistance, min.:	[cycle]	2*10 ⁶	OK
Packing:			
Weight per meter:	[kg/m]	1.1	
Length 1	[meter]	200m-51/pcs	
2	[meter]		
Packing	-	Steel barrel	
I hereby certify above all is true.			
 MASAKI MIWA Quality Assurance Dept., Chief Inspector			
issued date: May 10,2017			
[Note]			

5/19/2017