

# 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: Load chain for electric chain hoist  
 (Application)

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:  $\phi$  7.1\*P21  
 quality type: G80/ type-DAT

			Result
<b>Dimention:</b>			
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

<b>Mechanical properties:</b>			
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 ]	$2 \times 10^6$	OK

<b>Packing:</b>			
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.

*M. Miwa*

MASAKI MIWA

Quality Assurance Dept.,  
 Chief Inspector

issued date: May 10,2017

[Note]

*5/17/17*