

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	<input type="checkbox"/> DIN EN 818-7:2002 , <input type="checkbox"/> JIS B 8812:1999 <input type="checkbox"/> ISO 3077 , <input checked="" type="checkbox"/> FEC	
Material spec.:	SAE15B24(Mn-B steel)	
Finish:	<input checked="" type="checkbox"/> temper-colored, <input type="checkbox"/> zinc-plated, <input type="checkbox"/> coated() <input type="checkbox"/> zinc-phosphated, <input type="checkbox"/> manganese-phosphated <input checked="" type="checkbox"/> oiled, <input type="checkbox"/> no-oiled	
Stamping:	<input type="checkbox"/> FEC standard, <input checked="" type="checkbox"/> customer's request LKA, JAPAN , FEC5 → (Lot.33,3F,3J,3T,3U,3X,6A,6C,6N,6P,6S,6T,7A,7C,7F,7H,7J,7K,7L,7N,7P,7S,7T,7U)	
Product code#:	FCD07121	
description:	φ 7.1*P21	
quality type	G80/ type-DAT	

			Result
Dimention:			
Nominal diameter(dn)	[mm]	7.1 +0.0/-0.3	7.0~7.1
Internal width,min.:	[mm]	8.4	8.5~8.7
external width, max.:	[mm]	23.2	22.8~23.0
Nominal pitch 1 t	[mm]	21.0 +0.4/-0.0	21.1~21.3
5 t	[mm]	-	-
11 t	[mm]	231.0 +1.1/-0.0	231.5~232.0
Diameter at the weld(ds), max.:	[mm]	7.6	7.3~7.5

Mechanical properties:			
Working load limit(WLL), max.:	[kg]	1200	-
(drive mechanism g		-	-
Manufacturing proof force(MPF), min.:	[KN]	40	40
Stress at min. MPF		-	-
Guaranteed breaking force(BF), min.:	[KN]	63	84.0~90.0
Stress at min. BF		-	-
Total ultimate elongation(A), min.:	[%]	10	12~14
Surface hardness/HV3, min.:	[-]	500	523~580
/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.

Y. Yamazaki

YUKIHIDEYAMAZAKI
Quality Assurance Dept.,
Chief Inspector

issued date: August 4,2015

[Note]

2015.9.3 002