

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, ☐ o-oiled		
Stamping:	☐ FEC standard, ☒ customer's request → LK, JAPAN , (Lot #), FEC#		
Product code#:	FCD08024		
description:	φ 8*P24		
quality type	G80/ type-DAT		
Dimention:			Result
Nominal diameter(dn)	[mm]	8.0 +0.3/-0.3	7.9~8.0
Internal width,min.:	[mm]	9.6	10.4~10.5
external width, max.:	[mm]	27.0	26.0~26.2
Nominal pitch 1 t	[mm]	24.0 +0.3/-0.15	24.1~24.2
5 t	[mm]	-	-
11 t	[mm]	264.0 +0.7/-0.5	264.1~264.6
Diameter at the weld(ds), max.:	[mm]	8.8	8.4~8.5
Mechanical properties:			
Working load limit(WLL), max.:	[kg]	1600	-
(drive mechanism g		-	-
Manufacturing proof force(MPF), min.:	[KN]	50	50
Stress at min. MPF		-	-
Guranteed breaking force(BF), min.:	[KN]	80	85~93
Stress at min. BF		-	-
Total ultimate elongation(A), min.:	[%]	10	12~15
Surface hardness/HV3, min.:	[-]	500	529~575
/HV5, min.:	[-]	-	-
Hardness /HRC, min.:	[-]	-	-
Case depth,min.:	[mm]	0.16	0.17~0.21
Bend deflection(f),min.:	[mm]	no visible defect	OK
Fatigue resistance, min.:	[cycle]	2*10 ⁶	OK
Packing:			
Weight per meter:	[kg/m]	1.35	
Length 1	[meter]	150m-7/pcs	
2	[meter]	-	
Packing	-	Steel barrel	
I hereby certify above all is true.		<i>K. Sugimura</i> KAZUYUKI SUGIMURA Quality Assurance Dept., Chief Inspector	
issued date: June 10,2010			
[Note]			