

# 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 → LK, JAPAN , (Lot #), FEC9	

Product code#:	FCD11234
description:	φ11.2*P34
quality type	G80/ type-DAT

			Result	
Dimention:	Nominal diameter( dn )	[mm]	11.2 +0.3/-0.3	11.1~11.2
	Internal width,min.:	[mm]	14.7	14.8~14.9
	external width, max.:	[mm]	37.5	37.2~37.3
	Nominal pitch 1 t	[mm]	34.0 +0.4/-0.2	34.3~34.4
	5 t	[mm]	-	-
	11 t	[mm]	374.0 +1.3/-0.4	374.1~375.2
	Diameter at the weld(ds), max.:	[mm]	12.0	11.8~11.9

Mechanical properties:	Working load limit(WLL), max.:	[ kg ]	3000	-
	(drive mechanism g)			
	Manufacturing proof force(MPF), min.:	[ KN ]	98	98
	Stress at min. MPF			
	Guranteed breaking force(BF), min.:	[ KN ]	160	167~178
	Stress at min. BF			
	Total ultimate elongation(A), min.:	[ % ]	10	12~15
	Surface hardness/HV3, min.:	[ - ]	500	565~620
	/HV5, min.:	[ - ]	-	-
	Hardness /HRC, min.:	[ - ]	-	-
Case depth,min.:	[ mm ]	0.22	0.24~0.30	
Bend deflection( f ),min.:	[ mm ]	no visible defect	OK	
Fatigue resistance, min.:	[ cycle ]	2*10 <sup>6</sup>	OK	

Packing:	Weight per meter:	[kg/m]	2.65
	Length 1	[meter]	100m-30/pcs
	2	[meter]	
	Packing	-	Steel barrel

I hereby certify above all is true.

*M. Ota*

MASAYUKI OTA  
Quality Assurance Dept.,  
Chief Inspector

issued date: December 26,2009

[Note]