

# 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
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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
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Material spec.:	SAE15B24(Mn-B steel)
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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"/> o-oiled
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Stamping:	<input type="checkbox"/> FEC standard, <input checked="" type="checkbox"/> customer's request LKA, JAPAN, FEC6, FEC7 → (Lot: 11,1C,1F,2H,7N,7P)
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Product code#:	FCD09528
description:	φ 9,5*P28,6
quality type	G80/ type-DAT

			Result	
Dimension:	Nominal diameter( dn )	[mm]	9.5 +0.1/-0.5	9.5~9.6
	Internal width,min.:	[mm]	11.6	11.6~11.9
	external width, max.:	[mm]	30.7	30.3~30.6
	Nominal pitch 1 t	[mm]	28.6 +0.36/-0.2	28.6~28.8
	5 t	[mm]	-	-
	11 t	[mm]	314.6 +1.0/-0.5	314.4~315.1
	Diameter at the weld(ds), max.:	[mm]	10.5	9.8~10.3

Mechanical properties:			
Working load limit(WLL), max.:	[ kg ]	2200	-
	(drive mechanism g	-	-
Manufacturing proof force(MPF), min.:	[ KN ]	70	70
Stress at min. MPF		-	-
Guaranteed breaking force(BF), min.:	[ KN ]	120	140.5~149.5
Stress at min. BF		-	-
Total ultimate elongation(A), min.:	[ % ]	10	13~16
Surface hardness/HV3, min.:	[ - ]	500	532~574
/HV5, min.:	[ - ]	-	-
Hardness /HRC, min.:	[ - ]	-	-
Case depth,min.:	[ mm ]	0.19	0.21~0.24
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]	1.96	
Length 1	[meter]	100m-/30pcs	
2	[meter]		
Packing	-	Steel barrel	

I hereby certify above all is true.

*M. Miwa*

MASAKI MIWA

Quality Assurance Dept.,  
Chief Inspector

issued date: February 14,2017

[Note]