

# FEC CHAIN

CORPORATION

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## TEST CERTIFICATE

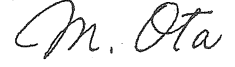
Distributor:	code #: 1080	distributor's name: ASAO & CO., LTD
Customer:		customer's name: LK HOIST CO.,LTD
Article name: (Application)	Load chain for electric chain hoist	
Spec. standard	<input type="checkbox"/> DIN EN 818-7:2002, <input type="checkbox"/> JIS B 8812:1999 <input type="checkbox"/> ISO 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 #), FEC#	
Product code#:	FCD09528	
description:	φ9.5*P28	
quality type	G80/ type-DAT	

Dimention:			Result
Nominal diameter( dn )	[mm]	9.5 +0.1/-0.5	9.4~9.5
Internal width,min.:	[mm]	11.7	12.1~12.2
external width, max.:	[mm]	31.5	30.9~31.0
Nominal pitch 1 t	[mm]	28.6 +0.36/-0.2	28.6~28.7
5 t	[mm]	-	-
11 t	[mm]	314.6 +1.0/-0.5	314.6~315.5
Diameter at the weld(ds), max.:	[mm]	10.5	10.2~10.3

Mechanical properties:			
Working load limit(WLL), max.:	[ kg ]	2200	-
(drive mechanism g		-	-
Manufacturing proof force(MPF), min.:	[ KN ]	70	70
Stress at min. MPF		-	-
Guranteed breaking force(BF), min.:	[ KN ]	120	128~138
Stress at min. BF		-	-
Total ultimate elongation(A), min.:	[ % ]	10	13~16
Surface hardness/HV3, min.:	[ - ]	500	589~616
/HV5, min.:	[ - ]	-	-
Hardness /HRC, min.:	[ - ]	-	-
Case depth,min.:	[ mm ]	0.19	0.25~0.28
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-/25pcs	
2	[meter]		
Packing	-	Steel barrel	

I hereby certify above all is true.

  
 MASAYUKI OTA  
 Quality Assurance Dept.,  
 Chief Inspector

issued date: November 20,2009

[Note]