FEC CHAIN CORPORATION
337 KANAORI-CHO , HAMAMATSU CITY,
SHIZUOKA PRE.,435-0026 JAPAN
TEL:+81−53−425−4116 , 2162 FAX:+81−53−425−5122

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, ◇ no-oiled			
Stamping:	☐ FEC standard, ■ customer's request → LK, JAPAN , (Lot #), FEC9			
Product code#: description: quality type	FCD11234 φ11.2*P34 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]	$2*10^{6}$	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]