

# FEC CHAIN

CORPORATION

TEL:+81-53-425-4116 , 2162

337 KANAORI-CHO ,MINAMI-KU, HAMAMATSU CITY,

SHIZUOKA PREF.,435-0026 JAPAN

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: Load chain for electric chain hoist  
 (Application)

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  
 LKA, JAPAN ,FEC7  
 → (Lot, 1A,1C,1F,61,6U,6X,6Y,7A,7C,7F)

Product code#: FCD11234  
 description:  $\phi$ 11.2\*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	14.7~15.0
external width, max.:	[mm]	37.5	36.8~37.3
Nominal pitch 1 t	[mm]	34.0 +0.4/-0.2	34.0~34.3
5 t	[mm]	-	-
11 t	[mm]	374.0 +1.3/-0.4	374.4~375.3
Diameter at the weld(ds), max.:	[mm]	12.0	11.6~11.9

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	189.0~205.0
Stress at min. BF		-	-
Total ultimate elongation(A), min.:	[ % ]	10	12~16
Surface hardness/HV3, min.:	[ - ]	500	535~585
/HV5, min.:	[ - ]	-	-
Hardness /HRC, min.:	[ - ]	-	-
Case depth,min.:	[ mm ]	0.22	0.24~0.32
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]	200m-20/pcs	
2	[meter]		
Packing	-	Steel barrel	

I hereby certify above all is true.

*M. Miwa*

MASAKI MIWA

Quality Assurance Dept.,  
 Chief Inspector

issued date: July 27,2017

[Note]