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LAMPIRAN A

A.1. Radius/ Corner Friction

CURVE Degree	ACETAL CHAINS		STEEL CHAINS		LENGTH THROUGH RADIUS
	No Lube	Lube	No Lube	Lube	Length
30	1.20	1.10	1.20	1.10	.50 x R = K
60	1.40	1.15	1.50	1.25	1.00 x R = K
90	1.60	1.20	1.80	1.40	1.50 x R = K
120	1.90	1.30	2.20	1.60	2.00 x R = K
145	2.20	1.40	2.70	1.80	2.50 x R = K
180	2.50	1.60	3.00	2.00	3.00 x R = K

K = Length through corner

(Sumber: dveyor, p: 17)

A.2. Koefisien Gesek Chain dengan Wear strips (f)

Plate Top Type	Condition	WEAR STRIP MATERIAL			
		Stainless Steel	Carbon Steel	UHMW	Nylon
CARBON & STAINLESS STEEL	Dry	.50	.50	.40	.40
	Water	.40	.40*	.30	.30
	Soap & Water	.30	.20*	.20	.20
	Oil	.20	.20	.20	.20
ACETAL	Dry	.40	.40	.35	.35
	Water	.30	.30*	.25	.25
	Soap & Water	.20	.20*	.15	.15
LOW FRICTION	Dry	.25	.25	.20	.20
	Water	.20	.20*	.20	.20
	Soap & Water	.15	.15*	.15	.15
LOW WEAR ⁺	Dry	.07	.07	L/R	L/R
	Water	.06	.06	.06	.06
	Soap & Water	.06	.06 ⁺	.06	.06

* = Not recommended

⁺ = Substantially reduce or eliminate soap lubrication

⁺ = Specially formulated for aluminum can handling systems

L/R = Limited

(Sumber: dveyor, p: 16)

A.3. Service factor

Service Factor

Type of Load	Operating Conditions ^①		Daily Operated Period	
	Start Stop Frequency Under Load	% Load Added At a Time	8-10 Hrs.	24 Hrs.
Uniform	Less Than 5/Day	Less Than 5%	1.0	1.2
Moderate Peaks	5/Day to 2/Hr.	5-20%	1.2	1.4
High Peaks	2/Hr. to 10/Hr.	20% to 40%	1.5	1.8
Temperature	Operating Conditions		Service Factors	
	Up to 200°F (93°C)		1.0	
	200°F to 350°F (93°C to 177°C)		1.1	
	350°F to 500°F (177°C to 260°C)		1.2	
	Above 500°F (260°C)		Contact Rexnord	

(Sumber: rexnord and link-belt conveyor, p: 16)