

**Key Industries:**

- Beverage & Liquid
- Glass and Metal Container Manufacturing
- Paper and Fiberboard Container Manufacturing

Key Application:**Container conveying**

- Corrugated
- Glass
- Metal Cans
- PET

Material:

- DKA

Key Features:

- Abrasion resistant
- Low friction
- Proprietary engineered material

Low Friction Abrasion Resistant (DKA) Material

Mitigated chain wear and elongation for increased uptime with container conveying.

Rexnord® Low Friction Abrasion Resistant (DKA) Material is an advanced composite resin that combines good abrasion resistance with low coefficients of friction. It can be used in both wet and dry environments. The result is a conveyor chain that can be used in aggressive corrugated, folding carton and glass container handling applications, where the product debris is known to wear other materials prematurely.

Reliable performance

Rexnord DKA Material provides reliable and durable performance:

- Requires little or no external lubrication to maintain low friction between the containers and chain
- Performs in wet or dry environments
- Features a pressure velocity (PV) value similar to high-performing acetal materials
- Offers our proven chain-sprocket interaction that requires no takeups and uses a catenary sag to absorb chain wear and elongation

Technical expertise

The combination of our material and chain design, and technical expertise, can help you choose durable conveyor systems that guarantee optimal product handling without compromising your ability to meet targets for safety improvements, increased productivity, water reduction, and energy savings. Contact your Rexnord FlatTop representative or our European Application Engineering team at +31 174 445 111 to review your application.

Available in Rexnord MatTop® and TableTop® Chain Series:

- 1000 FT, ATW, MTW PT, MTW
- 1005 FT, ATW, MTW PT, MTW
- 7705 ATW, MTW, MTW PT, DTS®
- 7706 MTW PT
- 8505 ATW, MTW, DTS
- 8506 MTW PT
- 1505 ATW, MTW PT
- 1060FTM
- 1050FT
- 820
- 821
- 880 TAB
- 882 TAB



Rexnord DKA Material molded in Rexnord TableTop 882 TAB Chain shown above.

Features and benefits:

- **Abrasion resistance** — provides the high abrasion resistance you’ve come to expect from Rexnord-developed materials
- **Low friction** — specifically designed to generate a constant, low friction between chain and containers, while providing energy savings and mitigating container damage from back line pressure
- **Adaptable** — can be used in wet or dry environments
- **Reliability** — friction between chain and container is consistent over time, eliminating the need to adjust conveyor settings
- **Performance** — designed to run without external lubrication, resulting in energy and material savings, as well as longer chain life

General Information

Prefix	Material	Temperature						FDA Approval
		Fahrenheit			Celsius			
		min	max		min	max		
			dry	wet		dry	wet	
DKA	Abrasion Resistant Composite Resin (black)	0	+180	+150	-18	+82	+66	Yes

Friction Factors Between Material and Product

Operating Condition	Product Material						
	Aluminum	Returnable Glass Bottles*	Non-Returnable Glass Bottles	Paper	Plastic (crates, shrink-wrap, etc.)	PET	Steel
Dry	0.18	0.20	0.12	0.23	0.18	0.16	0.18
Water	0.14	0.18	0.11	NR	0.16	0.15	0.16
Soap and Water	0.12	0.14	0.10	NR	0.14	0.14	0.13
Oil	---	---	---	NR	---	---	0.10

Friction Factors Between Material and Wearstrip

Operating Condition	Wearstrip Material			
	Carbon and Stainless Steel	UHMWPE	Nylatron®**	ULF™
Dry	0.18	0.18	0.18	0.16
Water	0.16	0.16	0.16	0.14
Soap and Water	0.13	0.14	0.14	0.12
Oil	0.10	0.10	0.10	0.10

NR denotes "not recommended," dash denotes "combination not tested."

*Friction of returnable bottles will vary depending on the quality of the glass, the amount of roughed up surface, etc.

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