

## Roller Coasters and Water Rides

Application-specific lubrication recommendations to:

- Optimize operational reliability
- Cut servicing costs
- Conserve energy
- Extend maintenance intervals

## Safety and Operational Reliability

In the amusement industry, nothing is more important than the safety of your riders. Whether they're hanging upside down in your roller coaster or getting drenched on your water ride, their safety is your top priority. Klüber offers a comprehensive line of lubricants that helps you meet the tough demands of these critical applications.

This booklet shows the range of Klüber lubricants available to keep your roller coasters and water rides running smoothly.

Please note that any lubricant selection should be based on specific technical data for your application. The information given here is typical of lubricants suited to the amusement industry. Klüber application engineers can help you with individualized product recommendations.

We can also help you create and manage a lubrication program and train your maintenance personnel in efficient lubrication best practices.

A publication of:

**Klüber Lubrication North America L.P.**  
32 Industrial Drive  
Londonderry, NH 03053  
(T) 603.647.4104  
(F) 603.647.4106

[www.kluber.com](http://www.kluber.com)

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The data in this brochure is based on our knowledge at the time of printing and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product. We recommend contacting our technical staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing.

# KLÜBER LUBRICATION

## Roller Coasters and Water Rides



**Lubrication Solutions** for the Amusement Industry

**Lubrication is our world**

# Lubrication Solutions for the Amusement Industry

## Roller Coasters and Water Rides

Klüber has lubricants for every area of the amusement industry. Your Klüber Sales Engineer can provide information on additional applications.

Application: Roller Coasters and Water Rides		Klüber Lubricant																	
<p><i>Please note: Your final lubricant selection should be based on the specific technical data for your application. The information provided here is based on our general experience and knowledge of these applications. Our application engineers are available to discuss the specifics of your application and make an individualized recommendation.</i></p>		ALTEMP Q NB 50	HYDROKAPILLA NBU 20 HFE US	ISOFLEX® TOPAS NB 52	ISOFLEX® TOPAS NCA 5051	Klüberbio CA 2-100	Klüberplex BE 31-222	Klüberplex BEM 34-132	Klübersynth GEM 4 N Series	Klübersynth GH 6 Series	MICROLUBE® GL 261/262	PARALIQ GA Series	STABURAGS® NBU 8 EP	STABURAGS® NBU 12	STABURAGS® NBU 12/300 KP	STABURAGS® NBU 12Altemp	STABURAGS® NBU 30	STRUCTOVIS HD Series	
Roller Coasters	Wheel Bearings			X	X														Comments NB 52: High-speed NLGI 2 grease NCA 5051: High-speed, fluid grease that eliminates oil leakage
	Hitch Bearings						X								X				Excellent corrosion protection and water-washout resistance
	Pivot Bearings										X								Protects against fretting corrosion; good water resistance
	Lift Chains					X													Klüberbio: Excellent viscosity/temperature characteristics; good corrosion protection; water repellent; rapidly biodegrades STRUCTOVIS: Excellent adhesion, water resistance, and water-washout protection
	Gears								X	X									GEM 4 N: Synthetic oil offering maximum protection against wear, rust, and corrosion GH 6: Synthetic oil offering excellent viscosity/ temperature characteristics; provides lowest friction in worm drives
	Restraint Mechanism										X								Protects against fretting corrosion; good water resistance
	Slideways															X			Long-life grease; excellent corrosion protection and water-washout resistance
	Assembly	X																	Assembly paste with excellent resistance to water-washout and aggressive environments; good corrosion protection
Water Rides	Wet Bearings							X				X	X				X		NBU 8 EP: High-speed grease for wheel bearings NBU 12: General purpose, with resistance to water-washout NBU 30: Low speed, high load, with resistance to water-washout
	Lift Chains		X															X	HYDROKAPILLA: Grease dispersion offering extended life on wet chains STRUCTOVIS: Excellent corrosion protection and water resistance
	Pivot Axle												X						Excellent corrosion protection and water resistance
	Seal											X							Extends component life; prevents washout and rust formation
		Assembly	X																