

DRUM BRAKE

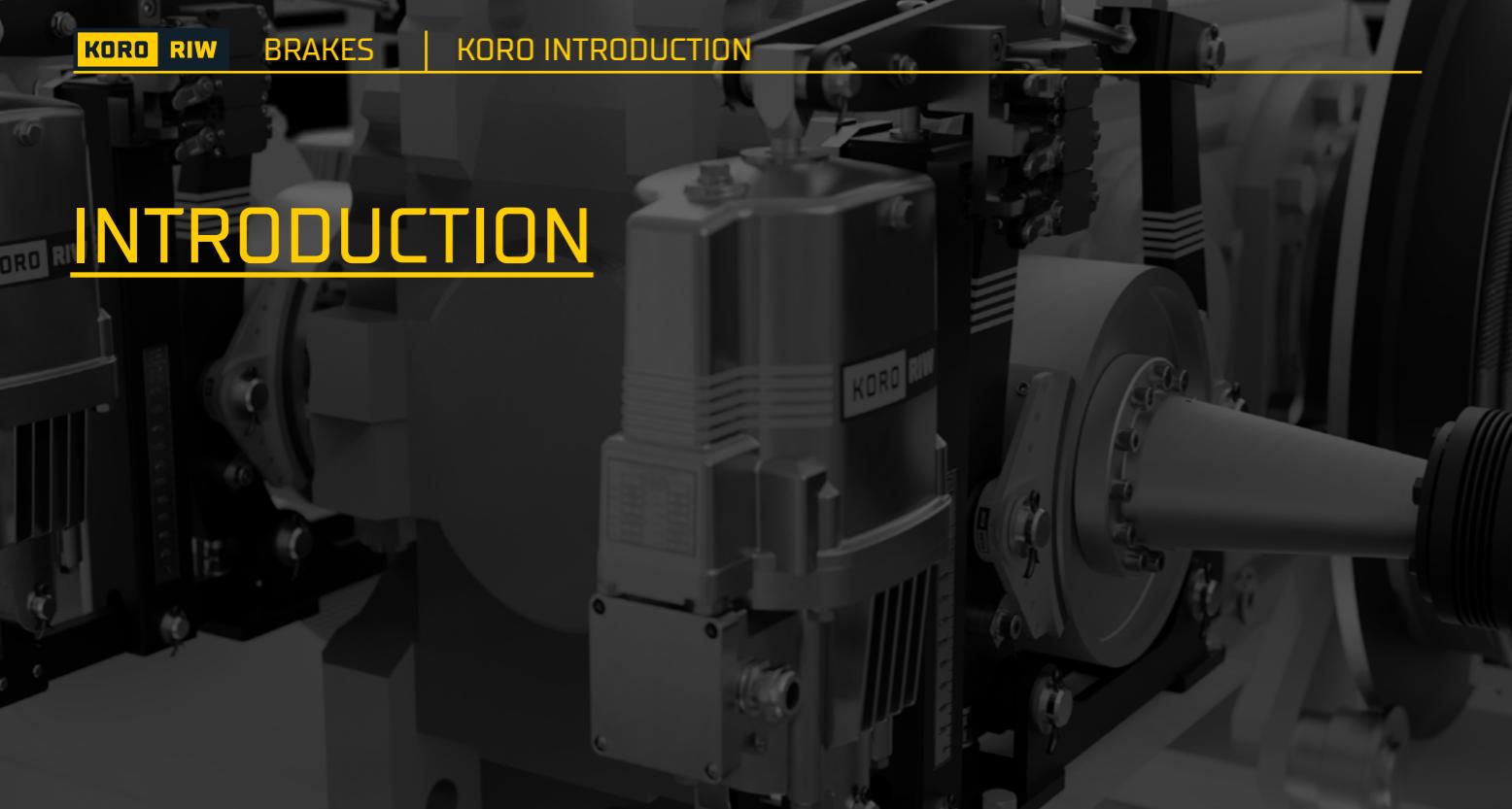


KORO RIW

WE KNOW CRANES



INTRODUCTION



For over 100 years, KoRo RIW has been at the forefront of crane technology, seamlessly blending premium quality with cutting-edge innovation. Beyond supplying world-class crane components, we offer comprehensive, tailored solutions with a deep understanding of their application, ensuring each system perfectly meets your operational needs.

Our solutions are designed for peak performance and efficiency, combining custom products with the speed and reliability of standard components.

With in-house production and optimized processes, we deliver exactly what your business needs—quickly and reliably.

At KoRo RIW, we're not just a supplier - we're a partner in your success. Our expert consultation, transparent service, and on-time delivery provide long-term, trustworthy results, backed by an above-average warranty for lasting peace of mind.

By choosing KoRo RIW, you're investing in future-focused technologies that keep you ahead of industry trends, always benefiting from the latest advancements.

KoRo RIW is your No.1 Partner for Crane System Solutions, with expertise across all verticals, industries, and applications.

From customized components to superior consultation and guaranteed delivery, we ensure your business moves forward efficiently and safely, with deep insights into every solution.

01

Uncompromising Safety

At KoRo RIW, safety is integral to our products.

Engineered to exceed industry standards, our crane components ensure secure operations even in the toughest environments.

With rigorous testing and strict safety protocols, we enhance security and reduce risks across the board.

02

Maximum Performance

Our products are designed for exceptional performance in demanding industrial environments.

Crafted from premium materials, they deliver consistent reliability and efficiency while minimizing downtime.

With optimized manufacturing processes, we ensure on-time delivery, keeping your operations seamless and productive.

03

Precise Solutions

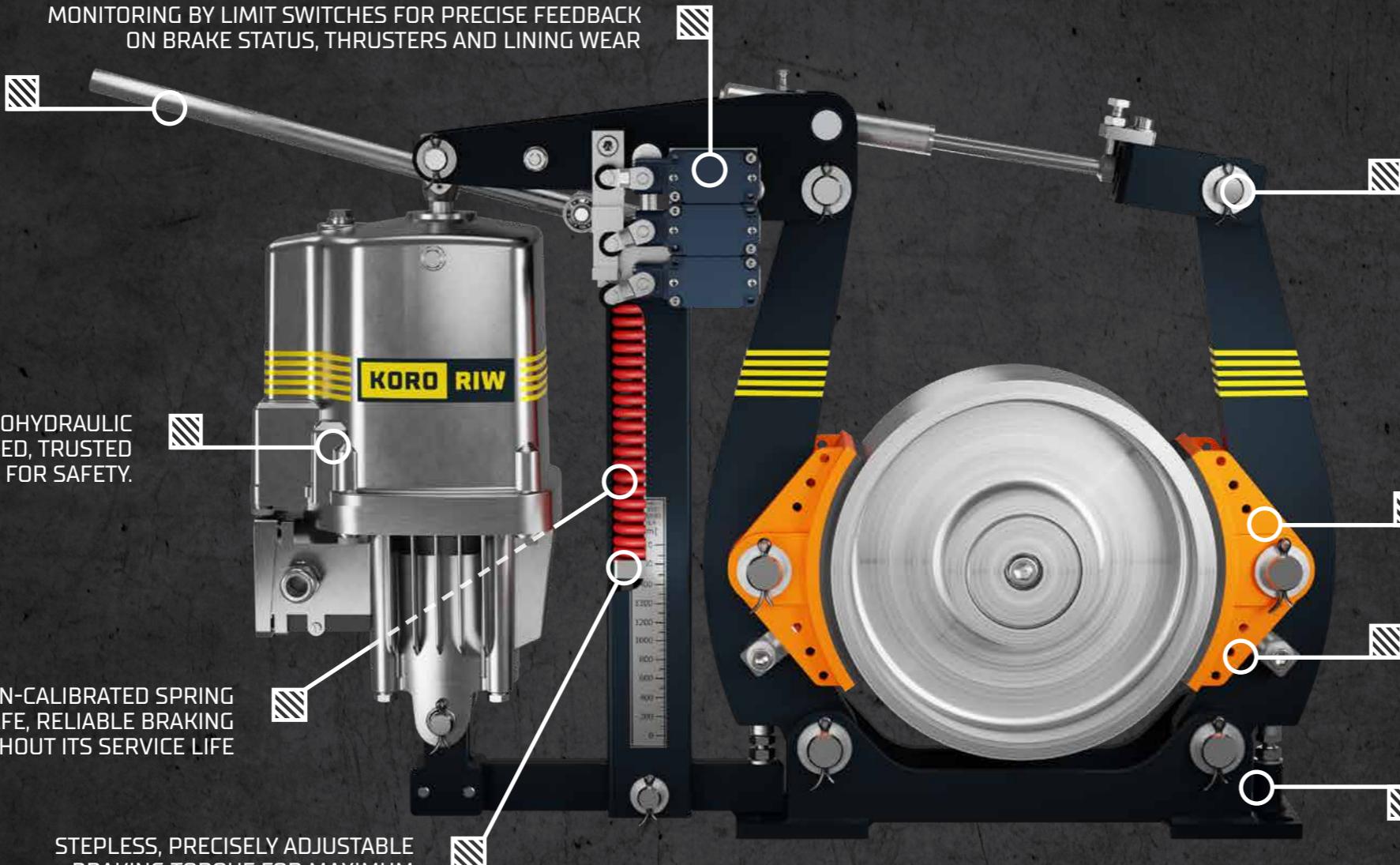
KoRo RIW provides tailored solutions for each client, offering crane components that are customized to meet specific needs.

Our expert team ensures precision, flexibility, and optimized performance for any project, keeping your operations efficient.





MANUAL RELEASE LEVER
MECHANISM ENSURES
SECURE HANDLING



MONITORING BY LIMIT SWITCHES FOR PRECISE FEEDBACK
ON BRAKE STATUS, THRUSTERS AND LINING WEAR

ALL JOINT BUSHINGS ARE FRICTION-OPTIMIZED FOR
MAINTENANCE-FREE OPERATION AND LONGEVITY

KORO RIW IN-HOUSE ELECTROHYDRAULIC
THRUSTER: BUILT FOR SPEED, TRUSTED
FOR SAFETY.

PRECISION-CALIBRATED SPRING
ENSURES SAFE, RELIABLE BRAKING
THROUGHOUT ITS SERVICE LIFE

STEPLESS, PRECISELY ADJUSTABLE
BRAKING TORQUE FOR MAXIMUM
CONTROL AND FLEXIBILITY

KORO RIW EMERGENCY OR ENDURANCE BRAKE LININGS
FOR MAXIMUM BRAKING SAFETY AND PERFORMANCE

COLOR-CODED, DESIGN-PROTECTED BRAKE SHOE FOR
EASY AND ACCURATE APPLICATION IDENTIFICATION.

ADVANCED SYNCHRONISATION SYSTEM ENSURES
SIMULTANEOUS BRAKE ARM MOVEMENT AND
AUTOMATIC LINING ALIGNMENT.

BRAKE FEATURES

Our drum brakes exceed the requirements for DIN15435 and deliver exceptional braking performance, ensuring reliable safety and precision in demanding environments. Designed with high-quality materials and rigorous engineering, they provide consistent, durable operation. Built for maximum safety, these brakes are tested to meet the highest standards of performance, offering you peace of mind and long-lasting reliability.

AT A GLANCE



-40°C to +90°C



FROM DRUM
Ø 160-710 MM



TORQUE RANGE
UP TO 10.000 NM



EASY
INSTALLATION



HIGH
AVAILABILITY



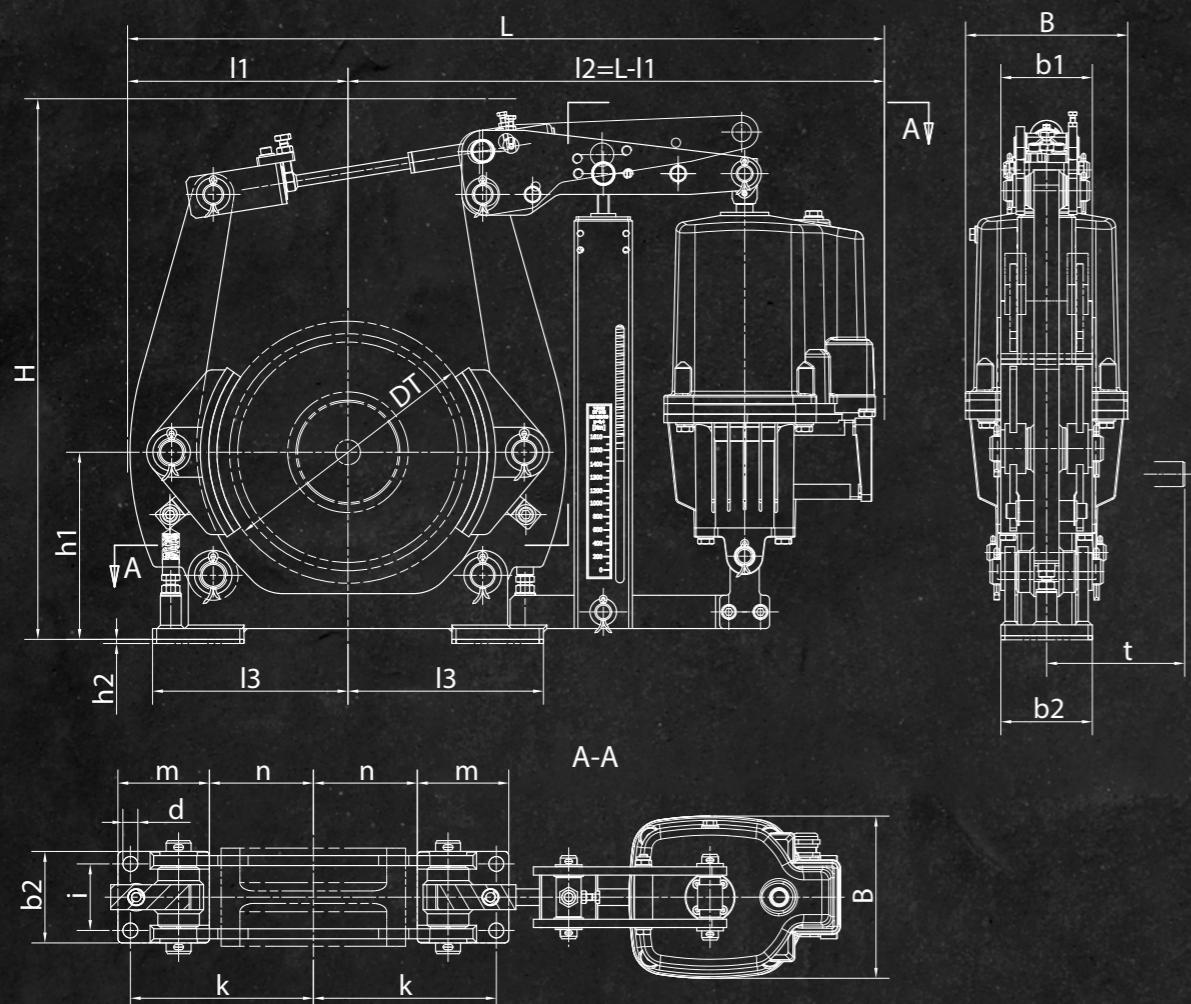
MAX.
COMPATIBLE

*The displayed product includes additional options
that are not part of the standard version*

PRECISION ENGINEERED DRUM BRAKES

Our high-performance drum brakes, manufactured in accordance with DIN 15435, guarantee precision, safety, and reliable performance across a variety of applications. Compliance with this standard ensures part exchangeability, allowing seamless integration with existing systems and minimizing downtime.

KORO RIW sets the benchmark in the consistent implementation of DIN 15435 – exceeding the standard requirements for safety and service life. Reliable, low-maintenance, and high-performing: a standard you can depend on for uncompromising performance.



POWERFUL IN EVERY CONFIGURATION

DT mm	Thruster acc. to DIN 15 430	Brake torque ¹ Nm for $\mu = 0,4$	B	b1	b2	d	H	h1	h2	L mm	I1	I3	i	k	m	n	t	kg ²
200	Ed 230 - 50	50 - 300	160	75	80	14	480	155	5	670	185	165	55	145	80	85	105	26
	Ed 300 - 50	50 - 420								670								
250L	Ed 230 - 50	50 - 300	160	95	100	18	550	185	5	740	215	195	65	180	100	95	126	35
	Ed 300 - 50	50 - 425								740								
250S	Ed 500 - 60	80 - 800	195	95	100	18	550	185	5	775	215	195	65	180	100	95	126	35
	Ed 230 - 50	80 - 375								875								
315	Ed 300 - 50	80 - 525	160	118	110	18	640	225	5	910	265	235	80	220	110	125	151	54
	Ed 500 - 60	120 - 940								1000								
	Ed 800 - 60	120 - 1610								1005								
	Ed 230 - 50	120 - 375								1040								
400L	Ed 300 - 50	120 - 525	160	150	140	22	720	270	10	330	300	100	270	140	160	190	68	
	Ed 500 - 60	200 - 940								330								
	Ed 800 - 60	200 - 1610								330								
	Ed 1250 - 60	200 - 2580								330								
400S	Ed 2000 - 60	200 - 4000	240	150	140	22	830	270	10	1090	330	300	100	270	140	160	190	95
	Ed 500 - 60	250 - 1250								1240								
500	Ed 800 - 60	250 - 2080	195	190	180	22	880	330	10	400	360	130	325	180	180	235	130	130
	Ed 1250 - 60	250 - 3200								400								
	Ed 2000 - 60	250 - 5000								400								
	Ed 3000 - 60	350 - 7300								400								
630	Ed 1250 - 60	350 - 3200	240	236	220	27	1060	410	10	1230	475	445	170	400	220	225	285	195
	Ed 2000 - 60	350 - 5000								1230								
	Ed 3000 - 60	350 - 7600								1230								
710	Ed 1250 - 60	450 - 3600	240	265	240	27	1160	460	10	1535	535	500	190	450	240	260	320	240
	Ed 2000 - 60	450 - 5600								1535								
	Ed 3000 - 60	450 - 8600								1535								
	Ed 3000 - 120	1000 - 10000								1535								

- Friction coefficient can be subject to fluctuations caused by different operating factors such as sliding speed, surface pressure, thermal impact, condition of friction surface, brake drum material and ambient conditions. If calculating brake sizes DIN 15 434 should be used as reference. The stated brake torque values are for dynamic braking at operating speed till 25 m/sec. and brake drums made of cast iron or spherical graphite iron. The operating temperature should not exceed 200 °C.
- Without thruster.

REVOLUTIONIZE YOUR SAFETY WITH KBBxtrem® BRAKE SHOES

Enhance your safety standards with our KBBxtrem® Premium Brake Shoes, our new, revolutionary KoRo Signature Line.

Designed for superior performance, these brake shoes feature an advanced lining that ensures significantly safer and more reliable braking under all conditions.

Compliant with DIN EN 15011, these brake shoes set the industry standard for reliability, addressing the specific requirements of inverter-operated lifting applications.

With color coding for easy identification, their striking orange design enhances visibility and reflects the premium quality and safety you can trust.



BRAKE LININGS FOR EVERY SAFETY NEED

To match the exact requirements of each application and **enhance safety**, we offer a range of high-performance brake linings, each designed for specific tasks:

KORO RIW SIGNATURE LINE

For emergency braking, providing maximum deceleration in critical situations.

KORO RIW ENDURANCE LINE

For continuous duty, ensuring reliable, long-term braking in ongoing operations.

KORO RIW BASE LINE

For holding and standby operations, with low wear and high reliability.

With its design-protected, intuitive color-coding system, KoRo RIW sets a new industrial standard: eliminating mismatches, ensuring correct brake lining application, and streamlining maintenance. All while maximizing operational safety.

YOUR SAFETY IS OUR PRIORITY

At KoRo RIW, your safety is always in our mind. We design every double-shoe brake to deliver not only high-performance but also maximum safety. In critical moments, where every millisecond matters, our brakes engage instantly and reliably, even under extreme conditions. Designed in Germany and rafted in-house, our brakes are engineered for precision and responsiveness, offering fast response times and unmatched braking power.

RIGOROUS TESTING FOR UNCOMPROMISING QUALITY

Each KoRo RIW brake undergoes extensive real-world testing to ensure flawless performance under the most demanding conditions. We maintain strict quality control at every stage, validating precision measurements, force behavior, and durability under extreme mechanical and environmental loads. Our testing ensures that every brake delivers consistent, long-lasting braking power, meeting and exceeding industry standards and customer expectations.

ELECTROHYDRAULIC THRUSTERS FOR RELIABLE PERFORMANCE

Our electrohydraulic thrusters are built for continuous operation, delivering precise and powerful actuation for opening and closing our brake systems.

Designed to meet industry standards, they offer reliable performance with minimal maintenance. Each unit undergoes rigorous in-house testing to verify stroke precision and response behavior, ensuring consistent quality and performance.

Trusted for their durability and reliability, KoRo electrohydraulic thrusters are the ideal solution for demanding, high-performance applications, providing dependable actuation shift after shift.





OPTIONS & PREMIUM ACCESSORIES

ENHANCED CORROSION PROTECTION

Built to withstand even the harshest environments, KoRo RIW offers advanced corrosion protection ensuring long-term reliability and peak performance in any condition.

RE-LUBRICATION ON BEARINGS

Built for high-performance applications: re-lubrication extends bearing life, reduces wear, and ensures reliability under extreme operating conditions.

AUTOMATIC WEAR ADJUSTMENT

This system was developed for applications with high loads and automatically compensates for the brake release gap. This ensures constant braking performance.

SAFE HAND-RELEASE FUNCTION

In critical or emergency situations, the brake can be safely released manually, allowing for controlled and sensitive load lowering even in the event of power failure.

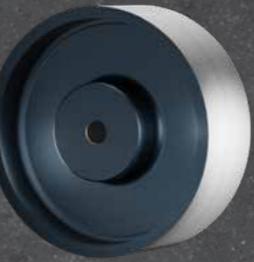
BRAKE MONITORING SWITCH

Designed to detect and signal critical brake conditions in real time. Including open/closed position, residual thruster stroke, and lining wear this system ensures maximum safety, reliability, and operational awareness with every cycle.

PROTECTIVE HOUSING

Engineered for harsh and contaminated industrial environments, our protective housing shields the brake from dust, dirt, and radiant heat. It ensures long-term reliability, reduces maintenance effort, and keeps your system operating at peak performance even under the most demanding conditions.

EXPLORE OUR KORO RIW BRAKE SOLUTIONS



DISC BRAKES

Designed for reliable stopping power, our disc brakes efficiently dissipate heat across demanding applications.

ORIGINAL PARTS

More than just spares: KoRo RIW supplies the full range of original components, including discs, drums, linings and brackets.

THRUSTERS

Manufactured by KoRo RIW, these thrusters ensure fast and reliable actuation for braking systems and demanding industrial applications.



AUTOMOTIVE



ENERGY SECTOR



PLANT ENGINEERING



MINING



LOGISTICS



ENTERTAINMENT



CRANE ENGINEERING



CONVEYOR SYSTEMS



SMEILING WORKS



PORT TECHNOLOGY



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ANY
INDUSTRY -
MANY
APPLICATIONS



BRAKES

KORO RIW WINCH AND CRAB



Industrial Brakes | Wheels | Wheelblocks | Bottom Blocks | Hooks

Rail Clamps | Rail Clips | OEM Open Winches | OEM Crabs | Rope Drums | Drum Couplings

KORO RIW

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