

XR

Extreme performance,
extreme reliability



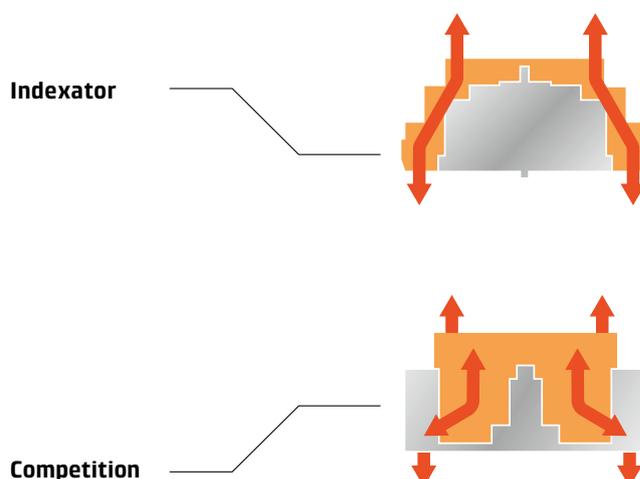


Rotators for when the going gets extra tough

High performance and long service life mean you can rely on the XR series slew base bearing rotators. When things get really tough and it's time to handle major loads, XR rotators are in their element.

The XR series slew base rotators are based on a new principal especially adapted for use on applications in tough environments and demanding assignments. This means the design is a complete, sealed solution in which the patented transmission protects the motor and swivel from external stress. The extremely high torque and ability to handle major loads makes

XR rotators reliable, productive partners in fields of application where the demands placed on the rotator function are very high. Forestry, timber handling, material handling, scrap sorting, demolition and recycling station work are all good examples. Day in, day out, year in, year out.



PATENTED TRANSMISSION

The XR series have a patented power transfer design. Thanks to the floating transmission, external forces acting on the bearings are unable to affect the motor and swivel inside the XR rotator. This extends the rotator's service life significantly in comparison with the competition's solutions.

A complete power package

Major applications make major demands. The XR series handles serious loads quickly, smoothly and with ease.

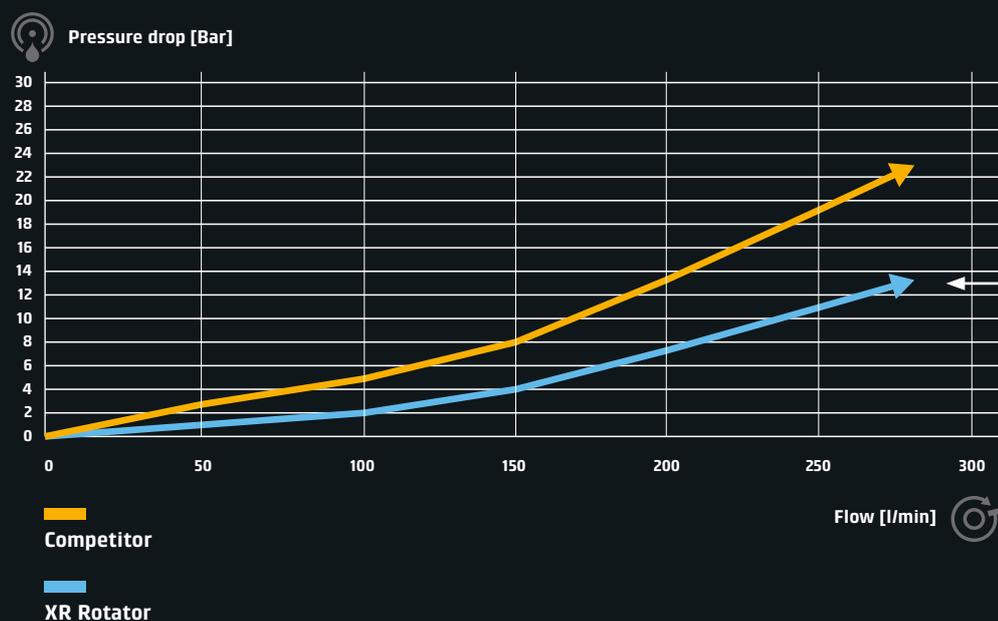
The loads on the rotator function are extremely high in many environments where rotators are used. XR rotators are powerful and can handle loads in every direction. What's more, because torque is higher than in every other solution and XR rotators can handle higher flows with extremely low pressure drops, performance is more than enough to cope with even the heaviest jobs.

The modular design makes service and maintenance easy to perform. Slew bearings, the motor and swivel are separate modules, which means that if there is play in a bearing, the motor is not at risk of breakdown.

There's never room for unscheduled downtime

anywhere rotators are used. They just have to go on working, hour after hour. So high reliability is just as important as high-performance. To make certain the XR series can handle the job, it was tested rigorously, not just in a test environment but also in real-world production.

The XR series has a compact, dense construction with a low design height and low weight and is available with various bolt patterns and an extra channel for central lubrication. This protects the rotator well against external forces such as collisions with objects in the surroundings. The result is a rotator with long service life that delivers performance every day.



INDEXATOR BEST IN CLASS!

A low pressure drop requires less energy. Therefore a rotator with a low pressure drop is more cost-effective.

Indexator XR in brief



Easy to service

Low profile, well protected design

Vane motor with extreme torque

Slew bearings handles radial and axial forces

Patented transmission for power transfer

Leak-proof, water resistant

Extra channel for central lubrication

Relief valve integrated in motor

Unique interface allows strong incorporation

External torque not amplified

HIGH TORQUE

Higher torque than every other solution. Handles high flows with very low pressure drops. The result is more than enough performance to cope with even the heaviest jobs.

DURABLE

Built to handle the forces from truly heavy loads. Whether forces are at right angles or come from the same direction, XR rotators are extremely durable, powerful and enjoy long service lives.

PROTECTED MOTOR AND SWIVEL

The patented transmission means that external forces are not transferred to the motor or swivel as they are in separate modules. This means XR rotators have the longest service lives by far.

Product series for rigid and free hanging installation

XR is a complete series of slew base rotators designed for excavators and the very biggest of applications. All of the models in the series have modular designs that make them service friendly and flexible.

The motor and swivel are integrated and the unique, patented transmission protects the motor and swivel from external loads, which means long service life. XR rotators are equipped with bearings to with-

stand major forces in every load direction. With its well-dimensioned hydraulic connections and extremely high torque, the XR series is a broad product range for every kind of demanding application.

The series comes in several sizes and models and is available with various bolt patterns and an extra channel for central lubrication.



XR 400



XR 500



XR 600

		XR 400	XR 400 I	XR 500	XR 500 C	XR 600	XR 600 C
Max axial static load		Max ±550 kN	Max ±550 kN	Max ±700 kN	Max ±700 kN	Max ±850 kN	Max ±850 kN
Max axial dynamic load		Max ±200 kN	Max ±200 kN	Max ±250 kN	Max ±250 kN	Max ±300 kN	Max ±300 kN
Torque at 25 MPa		4,100 Nm	4,100 Nm	7,000 Nm	7,000 Nm	7,000 Nm	7,000 Nm

*Max axial static load indicates the product's theoretical maximum load for floating applications without accelerations.

The XR product range is constantly being extended to meet rotator demands from the smallest to the very largest.



"The XR rotator is a true winner"

JOAKIM HARR, TECHNICAL DEVELOPMENT MANAGER

"When we began development work on the new XR slew base rotator several years ago, we wanted to create a high quality rotator with long service life that could handle the stresses and strains really tough use entails. In order to achieve this we came up with some, completely unique technical solutions.

What say our customers?

“It’s truly convincing”

““We’ve operated our XR500 for almost 5000 hours and it’s truly convincing. It’s a very stable design that exceeds all of our expectations.

It works extremely well in whatever way we put it to use. It has extremely high slewing torque. We can easily run our timber grapple at full load. Our Fuchs 454 operator is extremely pleased indeed with the XR rotator.”

Bernhard Grantner, Pabst Holzindustrie, Obdach, Austria

“We run it round the clock without a problem”

“The XR 400 has worked like clockwork and performed beyond expectations in round-the-clock operations for a very long time. Not only does the rotator cope with powerful side forces, I also find the low, compact design incredibly flexible as we don’t need to build the rotator into the grapple.”

Jan Lindbäck, CEO, Marine Cranes, Sweden

We developed a rotator that has the necessary qualities and we centred everything around a new modular design based on slew base bearings combined with our tried-and-tested vane motor technology. Robust bearings together with high performance motors created challenges that we overcame with unique solutions – solutions that we are truly proud of! In simple terms, one of them involved a transmission that allowed the motor and swivel to be insulated from external forces. It’s a unique, patented transmission that does not transfer forces to the motor. It makes for extremely long service life.

Our modular concept makes the XR a veritable

winner. Separate modules allow components to be replaced and also increase the product’s flexibility and service friendliness. As usual, we worked very closely with our customers in developing XR rotators for both rigid and floating installation. But we won’t be happy until everyone is happy. Development of the XR product range will continue and we are always open to new collaborations.

We know that XR rotators are often run in tough environments. We are always confident that the XR can handle the job. It’s the kind of confidence you can share, too.”

Why Indexator?



Indexator Rotator Systems AB is a global leader in the manufacture of rotators, swivels and accessories. Today, Indexator is an extremely strong brand in the forestry, material handling and recycling industries all over the world. The company conducts world-class R&D that includes a dedicated, in-house test lab that international equipment manufacturers also turn to when developing new products and functions. We currently have in the region of 130 employees and annual sales of around SEK 230 million. A high proportion of our sales go to export, with around 80 per cent of production being sold to more than 40 markets around the world.



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