

XR

Extreme performance,
extreme reliability



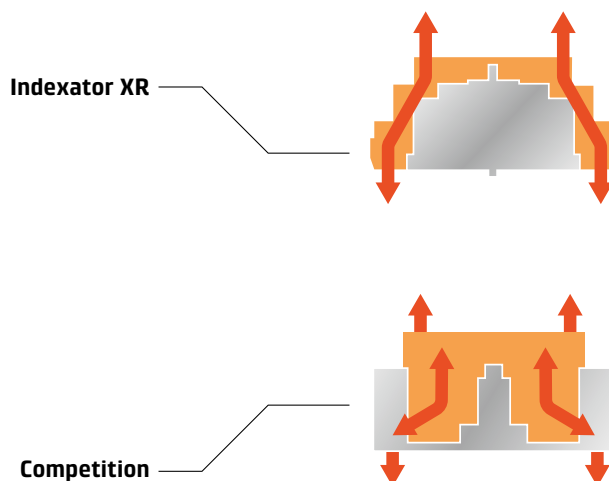


Rotators for when the going gets extra tough

High performance and long service life mean you can rely on the XR series slew base bearing rotators. Wherever you need to handle large loads, XR rotators come into their own.

The XR series slew base rotators are based on a new principal especially adapted for use on applications in tough environments and demanding jobs. This means the design is a complete, sealed solution in which the patented torque transfer solution 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 TORQUE TRANSFER SOLUTION

Thanks to the XR-series' patented design and its torque transfer solution, external forces acting on the bearings do not affect the motor and swivel inside the XR rotator. This extends the rotator's service life significantly in comparison with competing solutions.

A complete power package

Major applications make major demands. With the XR rotators serious loads are handled quickly, easily and efficiently.

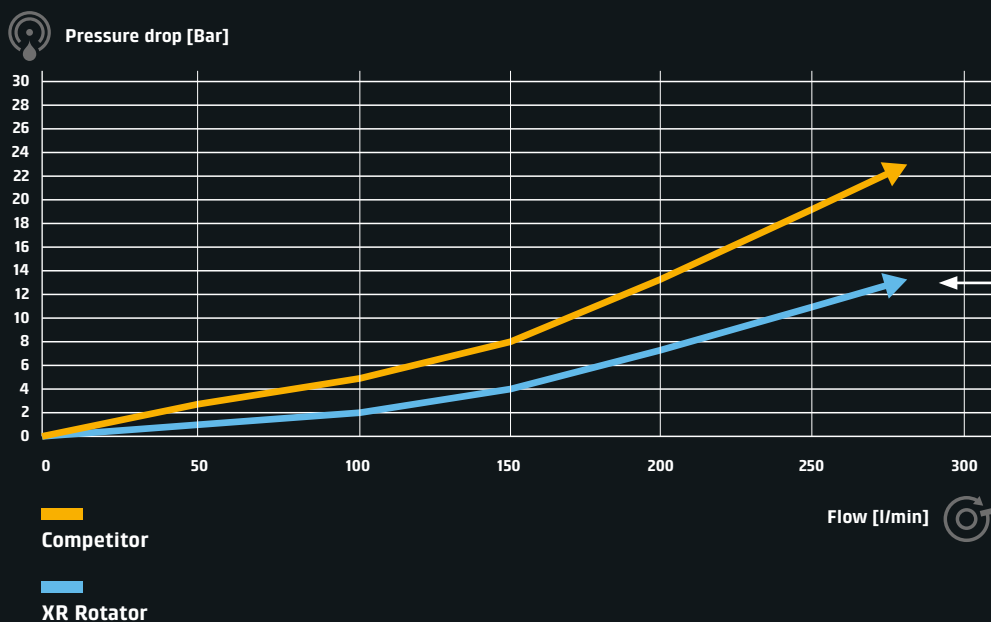
The loads on the rotator function are extremely high in many environments where rotators are used. XR rotators are powerful and can handle loads in every direction. What's more, because torque is higher than in every other solution and XR rotators can handle higher flows with extremely low pressure drops,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

The modular design makes service and maintenance easy to perform. Swivel base 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 situations.

The XR series has a compact, dense design with a low design height and 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 extremely high torque

Slew bearings handles radial and axial forces

Patented torque transfer



Leak-proof, water resistant

Extra channel for central lubrication

Relief valve integrated in motor

Unique interface allows strong incorporation

Direct drive with a strong, heavy-duty vane motor means no gearing is necessary.

HIGH TORQUE

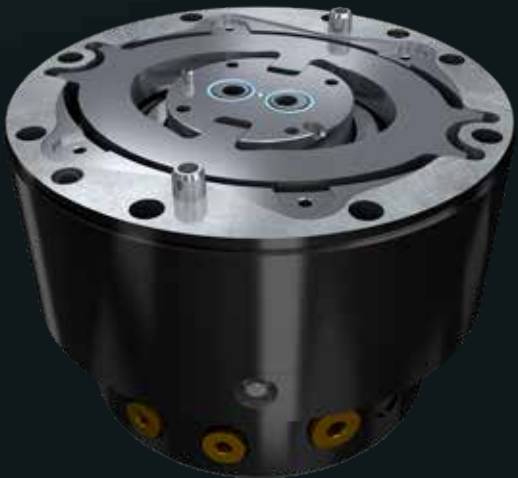
The only compact rotator on the market with Indexator's tried-and-tested vane motor principle. The durable motor gives a higher torque than all other solutions but at the same time is tolerant to the forced turning of large slewing masses.

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.

UNSURPASSED SERVICE LIFE

The torque transfer solution means external loads are not transferred to the motor or the swivel. The combination of a tolerant vane motor and the fact that no gearing is needed means the XR rotator has an unsurpassed long service life.



The XR series has a patented torque transfer design

Product series for rigid and floating 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 torque transfer solution insulates the motor and swivel from external loads, which means long service life. The XR rotators are equipped

with bearings to withstand 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 300

XR 400

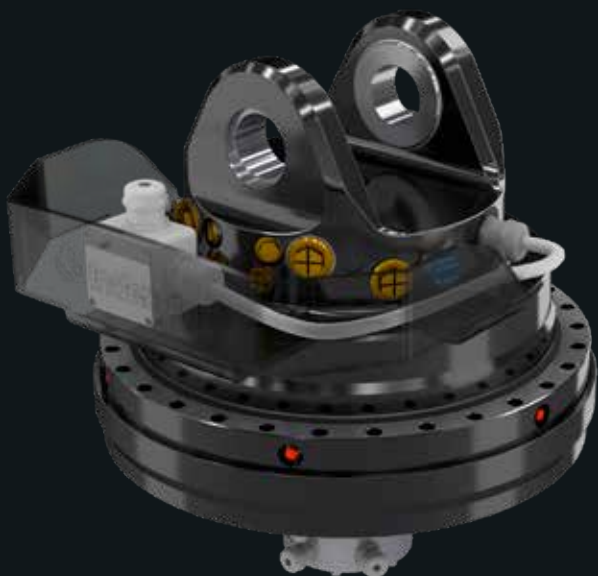
XR 500

XR 600

	XR 300	XR 400	XR 400 I	XR 500	XR 500 C	XR 600	XR 600 C
Max axial static load* 	Max ±300 kN	Max ±550 kN	Max ±550 kN	Max ±700 kN	Max ±700 kN	Max ±850 kN	Max ±850 kN
Max axial dynamic load 	Max ±90 kN	Max ±200 kN	Max ±200 kN	Max ±250 kN	Max ±250 kN	Max ±300 kN	Max ±300 kN
Torque at 25 MPa 	3,000 Nm	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 demand from the smallest to the very largest.



GET MORE OUT OF YOUR XR ROTATOR

The XR series is a modular system with flexible options. This provides the customer with more possibilities with regards to hydraulic functions, electrical swivels and various manifold block options. In addition the XR series is available with heavy duty hose guarding products.

What do our customers say?

“It’s truly convincing”

“We’ve operated our XR 500 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



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. The company conducts world-class R&D that includes a dedicated, in-house test lab upon which international equipment manufacturers also rely when developing new products and functions.



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