

PRESS RELEASE

Rosersberg, Sweden, October 20, 2022

Steelwrist at the bauma exhibition in Munich, October 24-30, 2022

At bauma Steelwrist offers visitors the opportunity to see product news firsthand and watch demonstrations of how the tiltrotator and the SQ Fully Automatic Quick Coupler system increase excavator efficiency. Steelwrist SQ is a high performing fully automatic oil connection technology, used in quick couplers and tiltrotators on excavators to connect hydraulic work tools. The SQ50 quick couplers and tiltrotators for mid-sized excavators are new additions to the Steelwrist range of SQ products. At bauma Steelwrist also presents X02, a new model in the tiltrotator range, for excavators below 2,5 tonnes.

Steelwrist stand number: FN 917/6

Steelwrist extends the quick coupler and tiltrotator offering with SQ50, a fully automatic high flow and Open-S compliant solution for mid-size excavators

The new range of SQ50 quick couplers and tiltrotators is targeted toward 7-13 ton excavators. Steelwrist SQ is a high performing fully automatic oil connection technology, used in quick couplers and tiltrotators on excavators to connect hydraulic work tools. Outstanding flow characteristics and competitive building height and weight are significant advantages of SQ50. SQ50 meets the specifications of the Open-S standard for fully automatic quick couplers.

S50 and SQ50 quick couplers are steel casted and have the Steelwrist Front Pin Lock safety solution. Front Pin Lock is a mechanical lock of the front shaft which significantly limits the risk of an unintended drop of work tools.

The X12 and X14 tiltrotators are redesigned with a new top and attachment coupler in order to make it possible to upgrade from S50 to SQ50 at a later stage, even if the customer did not include SQ in the initial order.

SQ on the top side (upper coupler) of the tiltrotator for rapid change between tiltrotator and other work tools, and SQ on the bottom side (attachment coupler) of the tiltrotator will allow for rapid change between hydraulic work tools. By using SQ, tiltrotator work tools can be made less expensive as the rotation function is included in the tiltrotator.

“With the introduction of SQ50 fully automatic quick couplers and tiltrotators, we will change the game in the growing 10 ton excavator segment with flow capacities of 120 liters per minute with low back pressure. This allows for efficient use of high flow work tools also for mid-size excavators”, says Stefan Stockhaus, CEO of Steelwrist AB.

High Flow hydraulics and Absolute rotation sensor

With the introduction of SQ50 the Qplus technology has been updated to allow for even higher flows, adding another 20 percent to flow capacity which allows users to run also the high flow requiring work tools on mid size excavators.

With the introduction of SQ50 Steelwrist is implementing a new Absolute Rotation Sensor on the tiltrotators in order to give higher accuracy to Machine Control Systems. Full implementation is expected in Q1 2023. Together with Steelwrist Autotilt this allows for even higher productivity.

SQ products that meet the demand from the demolition industry

Steelwrist range of SQ fully automatic quick couplers includes models for excavators up to 70 tonnes. The latest addition to the range of SQ products for the demolition industry, the SQ90 quick coupler, will also be presented at the Steelwrist stand.

Open-S compliant solution

All Steelwrist SQ products follow the global Open-S industry standard for fully automatic couplers for excavators. This means that the SQ system is designed to be able to connect to other brands following the Open-S standard.

Steelwrist expands the tiltrotator range with X02 for excavators up to 2,5 tonnes

The installation ratio for tiltrotators on the smallest excavators is starting to grow globally and in response Steelwrist is now introducing the new X02, a tiltrotator suitable for 1,5-2,5 ton excavators. The X02 is accompanied by a complete range of work tools resulting in increased efficiency and versatility which convert also the smallest excavators into true tool carriers.

Innovative design and easy maintenance

The X02 tiltrotator has a number of innovative design solutions and comes with either a Direct Fit or an S30 top for the connection to the excavator. The coupler side (bottom) of the tiltrotator is available in a hydraulic locking for S30. The hydraulic lock version with the integrated Front Pin Hook is probably the only tiltrotator in this class that has work tool safety to support CE requirements.

The X02 is positioned between the smallest TCX tilt coupler for machines below 2 tonnes and the X04 tiltrotator for excavators from 2,5 to 4 tonnes. Again the focus with X02 has been to make a fully casted product with best strength-weight ratio and low building height.

Other innovative design solutions introduced with the X02 are:

- A new gearbox design which makes it possible to easily eliminate play over time
- Lubrication free bearings for easy maintenance
- Valves and control module placing to protect from outer damage
- A bolt-on lifting eye or lifting hook as option on direct fitted tiltrotators.

Optimized range of work tools

The X02 tiltrotator is accompanied by a complete set of Steelwrist S30 work tools, such as grading-, digging-, cable/trenching- and v-ditch bucket, asphalt cutter and ripper. In autumn 2022 a multi grapple is added to the work tool offering for X02. This turns the excavator into an efficient and versatile tool carrier that can do work in a wide range of applications.

“With the launch of the X02 we finally complete the tiltrotator range for excavators below 2,5 tonnes. The X02 is a fantastic combination of innovation and robustness which customers have been waiting for”, says Stefan Stockhaus, CEO of Steelwrist AB.

Compatibility with VDMA MiC 4.0 - open tiltrotator control system interface

Steelwrist is a member of the German industry organization VDMA (Verband Deutscher Maschinen- und Anlagenbau e.V.). The VDMA working group MiC 4.0 has as its goal to create a uniform, manufacturer-independent and machine-independent digital communication around the construction process. For attachments this includes an open tiltrotator control system interface.

Communication of attachments with the carrier is a very important safety aspect. The purpose is to achieve appropriate communication between the attachment and the carrier in order to identify the attachment accurately. This should transmit the necessary settings for safe use, prevent possible hazards and simplify the operability of attachments independent of the carrier.

Steelwrist is represented in the VDMA booth no. B0.MIC with a Steelwrist X12 tiltrotator.

For more information please contact:

Stefan Stockhaus
CEO
Steelwrist AB
stefan.stockhaus@steelwrist.com
Tel +46 709981321

About Steelwrist

Steelwrist is a global manufacturer of tiltrotators, quick couplers and work tools for excavators with headquarters in Sweden. A determined focus on robust and modern products, combined with fast service has been appreciated by an increasing number of customers world wide. For more information about Steelwrist, please visit steelwrist.com.