



STEELWRIST

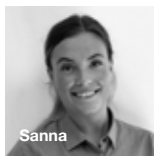
EARTHMOVING EFFICIENCY

INT

OPEN |



STEELWRIST
in Construction



Sanna



Matsu



Quentin



Adrian



Luis



Victor



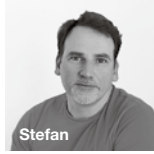
Martin



Tate



Masubuchi



Stefan



Alain



Darryn



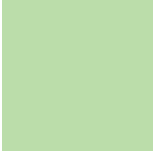
Piotr



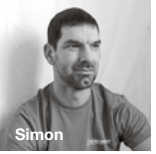
Arturo



Jason



Christoffer



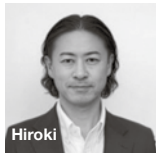
Simon



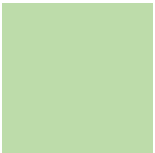
Claes



Frederic



Hiroki



Erik



Jens



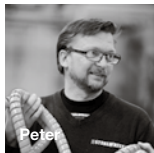
Tim



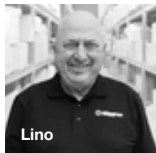
Runar



Toni



Peter



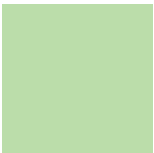
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Konrad



Adam



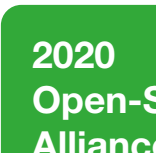
Malgorzata



Adam



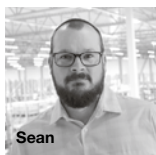
Andreas



Robert



Carmine



Sean



Josh



Jonathan



Lars-Erik



Pierre

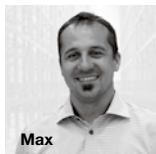


Stefan

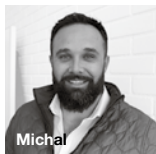
2020
Open-S
Alliance
founde



Kent



Max



Michal



Susann

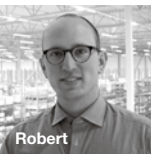


Fredrik



Yamil

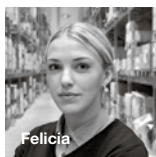
2017
SQ Auto
connection
technology



Robert



Frank



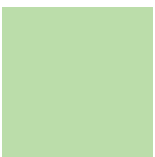
Felicia



Richard



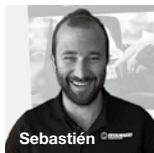
Nicolas



2012
Quick
couplers
with
Front
Pin Lock



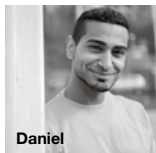
Tom



Sebastián



Jongchul



Daniel

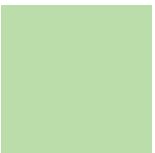


Mattias

2012
Quick
couplers
with
Front
Pin Lock



Atle



Jos



Sofia



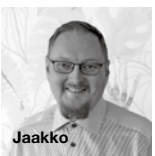
Aaron



Jochen



Rainer



Jaakko



DongHyun

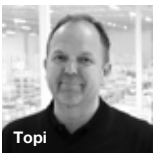


Marcin



Karl

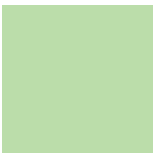
2006
First
Steelwrist
tiltrotator



Topi



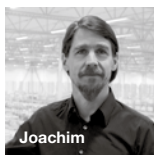
Pawel



Erik



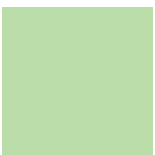
Fredrik



Joachim



Michael



Ben

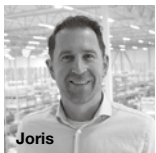


Tony

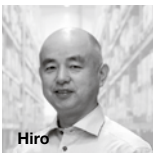


David

2005
Steelwrist
is founded



Joris



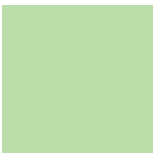
Hiro



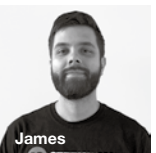
Peter



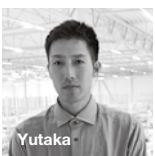
Clement



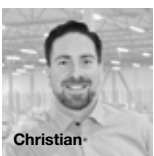
Alexander



James



Yutaka



Christian



Takujiro



Anders



Jacco



2025
Steelwrist
20 years

Kent

Hugo

2024
Steelwrist
third
generation
tiltrotators

Sissi

Bradley

Therese

Matthew

Sebastien

Jean

Markus

Jyri

Jonathani

Tim

Joe

Detlef

Peter

Roy

Niklas

Nicholas

Dale

Danni

Pascal

Luca

Henrik

David

Russell

Matthew

Hagen

EXPANDING OUR GLOBAL FOOTPRINT WITH CONTINUED FOCUS ON EXCAVATOR EFFICIENCY

Responsiveness, Simplicity and Speed

Since the foundation in 2005, Steelwrist has grown to become the global manufacturer of tiltrotators, quick couplers and work tools for excavators it is today, and has delivered products to thousands of customers worldwide. The focus remains the same as when the company was founded; to develop, manufacture and sell equipment that increases the efficiency of excavators.

In 2026 Steelwrist continues to strengthen its global presence and operational footprint. In addition to the company's main location in Rosersberg, Sweden, local production is being expanded in both the USA and China to support sustained growth, increase capacity and improve availability for customers in key markets.

The journey of innovation continues, with further expansion of the third generation Steelwrist tiltrotator range. By the end of the year, seven XTR models will have been launched, bringing state-of-the-art technology, increased performance and new safety features to a wider range of excavators. At the same time, the SQ fully automatic coupler technology is now available from SQ40 to SQ90, enabling fast and safe changes of hydraulic powered work tools across a broad excavator range.

Our core values of Responsiveness, Simplicity and Speed guide the way for how we work with customers, dealers, suppliers and employees. We listen to and learn together with our customers, we are easy to work with and we focus on delivering value with speed – everything being at the core of our company culture.

TABLE OF CONTENTS

- | | |
|--|---|
| 04. The key to unlock your excavator efficiency | 18. Open-S – The global standard |
| 06. SQ auto connection system | 19. Adaptors |
| 07. Quick couplers | 20. Powered work tools |
| 08. XTR tiltrotators | 24. Buckets |
| 10. X-series tiltrotators | 26. Mechanical work tools |
| 12. SQ tiltrotator solutions | 28. Support |
| 14. Control systems | 30. The Terratech group |
| 16. Tilt couplers | 31. People and sustainability |
| 17. Rotor couplers | |



The key to unlock your excavator efficiency

The Steelwrist offering

The core of the Steelwrist product offering includes quick couplers, tilt couplers, rotor couplers and tiltrotators that together with the control system make up the foundation for higher excavator efficiency. Regardless if your need is a safe and robust quick coupler, a more advanced tilt- or rotor coupler, or the most efficient tiltrotator, we have the solution for you.

Why tiltrotator?

Tiltrotators are used in many different applications such as general construction, landscaping, utility work, telecom, rail and road construction. In all these applications a tiltrotator on your excavator will significantly increase productivity and it will change the way you work.

We often get questions about how big the efficiency increase really is, how big are the fuel savings, how much are excavator wear and tear reduced, what tasks can you do that you cannot do without a tiltrotator and so on. This is not to mention the improved safety when you can have your ground workers focus on the things they should do, and not be working around the excavator work tool. The answer is, that it obviously depends on the type of work you do, what kind of work tools you use and the size of the excavator.

Independent studies in Japan show that when comparing the same task with the same excavator, with and without a tiltrotator, both the efficiency increase and fuel saving were just above 40 percent. This might not be the same for all tasks, but it is quite safe to say that any five-day job you will be able to do in four or less.

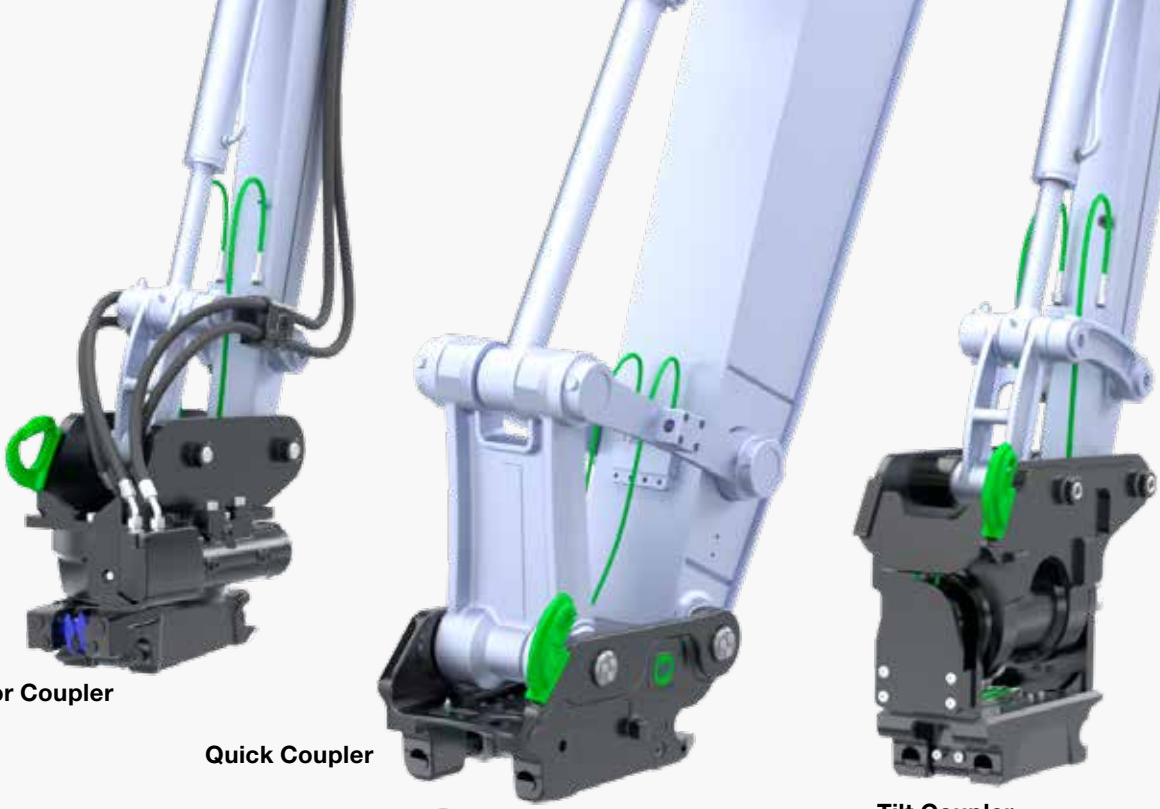
Work Tools

A job needs a work tool and a work tool needs an excavator - not the other way around. That's the starting point when we think about how to increase your excavator efficiency.

Steelwrist work tools include buckets such as grading-, digging-, cable-, v-ditch-, sorting-, skeleton- and utility buckets as well as rippers, pallet forks, asphalt cutters and grading beams.

Our powered work tools include a range of multi-, sorting- and finger grapples as well as pallet forks, sweepers, tree shears and compactors.





Rotor Coupler

Quick Coupler

Tilt Coupler



Tiltrotator





STEELWRIST SQ AUTO CONNECTION SYSTEM

Changing powered work tools in seconds

The demand for productivity is constantly rising, and on many jobsites the need to change between different work tools is almost continuous. With Steelwrist SQ technology, operators can change between hydraulic powered work tools and mechanical work tools in seconds — without leaving the cab.

The SQ technology is used both in the Steelwrist range of fully automatic quick couplers and in Steelwrist tiltrotators, enabling fast and safe changes of powered work tools directly from the operator seat. This means less manual handling, fewer interruptions and more time spent using the right tool for the job.

With the introduction of SQ40, Steelwrist offers a complete range of automatic couplers from SQ40 to SQ90, making SQ technology available for excavators from 4 to 70 tonnes. With several coupler sizes available, there is always a solution to match the machine, the application and the required hydraulic performance.

We believe in open standard interfaces. The SQ system follows the Open-S (OS®) symmetrical standard, making it possible to connect to other products that comply

with the same standard. This gives machine owners and operators greater freedom to choose, combine and work efficiently with quick couplers, tiltrotators and work tools from different manufacturers.

In 2017 Steelwrist introduced the patented Qplus™ technology, developed to deliver high hydraulic flow, increased uptime and improved serviceability. Qplus™ is used in Steelwrist SQ couplings and supports the demanding flow requirements of modern powered work tools.

Qplus™ – Higher flow

With Steelwrist Qplus™ the flow area measure up to 40 percent more compared to competitor products.

Qplus™ – More uptime

Steelwrist Qplus™ sealing technology is significantly more durable compared to competitor products, giving you more hours in operation before seals need to be changed.

Qplus™ – Improved serviceability

Changing seals in Steelwrist Qplus™ couplings is fast and easy, without the need for proprietary or complicated tools.

STEELWRIST QUICK COUPLERS

With or without integrated oil couplings

Steelwrist quick couplers are designed for safety, strength and efficiency. The range includes standard S-type quick couplers as well as SQ fully automatic couplers with integrated oil couplings, enabling fast changes of hydraulic powered work tools without leaving the cab.

Steelwrist symmetrical couplers are cast in steel. Large pin contact surfaces, optimized use of material and the absence of weak weld seams make the couplers compact, robust and durable in demanding applications.

Safety is at the core of every Steelwrist quick coupler. Customers are increasingly demanding safer coupler solutions, while regulations continue to raise the requirements for what is considered safe. Steelwrist has developed safety solutions that work across different excavator types and sizes, whether the machine is new or already in operation.

In 2012 Steelwrist introduced the patented Front Pin Lock technology, a major step forward in coupler safety when changing work tools. With the launch of the third generation tiltrotators, Steelwrist has taken the next step with LockSense — a patented, wireless sensor system for indicating secure work tool locking.

The LockSense solution is designed to support future safety requirements. Its wireless design eliminates exposed cables and connectors in the coupler area, reducing the risk of damage in harsh working



environments while giving the operator clear confirmation of secure locking.

Steelwrist quick couplers are available with interfaces following the Open-S (OS®) symmetrical standard. The SQ40 comes with the new H6 electrical connector, specifically introduced for this coupler size. From SQ45 to SQ90, the Open-S V14 electrical connector is used, supporting compatibility across the SQ range and with other products following the same standard.

QUICK COUPLER

Machine weight [ton]	0–2	2–6	5–12	5–12	12–20	–	18–32	–	25–43	40–70
MODEL	S30*	S40*	S45	S50	S60	–	S70	–	S80	S90
Building height from [mm]	82	110	120	130	150	–	200	–	230	265
Weight from [kg]	15	30	70	92	120	–	273	–	350	750

SQ COUPLER (OS® COUPLER)

Machine weight [ton]	–	4–7	5–12	5–12	12–20	12–20	14–22	18–32	18–32	25–43	40–70
MODEL	–	SQ40 OS®40	SQ45 OS®45	SQ50 OS®50	SQ60-4 OS®60-4	SQ60-5 OS®60-5	SQ65 OS®65	SQ70 OS®70	SQ70/55 OS®70/55	SQ80 OS®80	SQ90 OS®90
Building height from [mm]	–	100	135	130	150		160	200	210	230	265
Weight from [kg]	–	70	100	100	135		190	293	310	430	750

* S30 and S40 are available with mechanical or hydraulic locking



STEELWRIST XTR TILTROTATORS

Third generation tiltrotators for higher efficiency

Steelwrist's XTR tiltrotators represent the third generation of Steelwrist tiltrotator technology. First launched in 2024, the XTR series continues to expand and by the end of 2026 the range will include seven models, bringing the latest Steelwrist technology to a wider range of excavators.

The XTR series is developed to take excavator efficiency to the next level, with increased performance, improved safety, higher uptime and an operator experience built around precision and control. With 360° rotation and 45° tilt in both directions, the tiltrotator allows the operator to work faster, safer and with greater flexibility — without constantly repositioning the excavator.

Built on many years of Steelwrist tiltrotator experience, the XTR platform combines a compact design with steel cast components, refined tilt geometry, upgraded and patented hydraulics, smart onboard technology and Steelwrist's latest control system, QuantumConnect. The result is a powerful and robust tiltrotator range with the low building height and optimized strength-to-weight ratio that Steelwrist is known for.

Steel cast and modular design

The XTR tiltrotators use steel cast components in key structural parts, providing high strength, durability and impact resistance while keeping the design compact.

Material is used where it is needed most, resulting in an optimized balance between strength and weight. The tiltrotator can be configured with S-type or SQ-type interfaces, and it is possible to upgrade from S to SQ with modular parts.

Advanced tilt geometry for smooth operation

The refined tilt geometry of the XTR series is developed to give the operator smooth and precise movement throughout the full tilt stroke. The compact tilt cylinder design minimizes cylinder spread while maintaining high tilt torque and 45° tilt angle in both directions. The result is fluid, controlled movement and improved usability in many demanding applications.

Safety solutions for secure work tool locking

The XTR series features Steelwrist safety solutions for indicating secure work tool locking. For XTR tiltrotators with S45/SQ45 coupler interfaces and upwards, LockSense is available — Steelwrist's patented wireless sensor system that gives the operator clear confirmation when the work tool is securely locked. For XTR tiltrotators with S30 and S40/SQ40 interfaces, the Front Pin Hook safety solution is used.

Lubrication made easy with OptiLube

With the OptiLube onboard lubrication system, mainten-

ance becomes easier and more predictable. The system automatically provides the right amount of a lubricant that is specially designed for tiltrotators, helping to reduce friction, support consistent performance and extend service life.

OptiLube is integrated into the control system, allowing lubrication performance to be monitored and alerting the operator when it is time to replace the lubricant cartridge. This reduces manual checks and helps keep the tiltrotator ready for work.

Sensors, connectivity and control

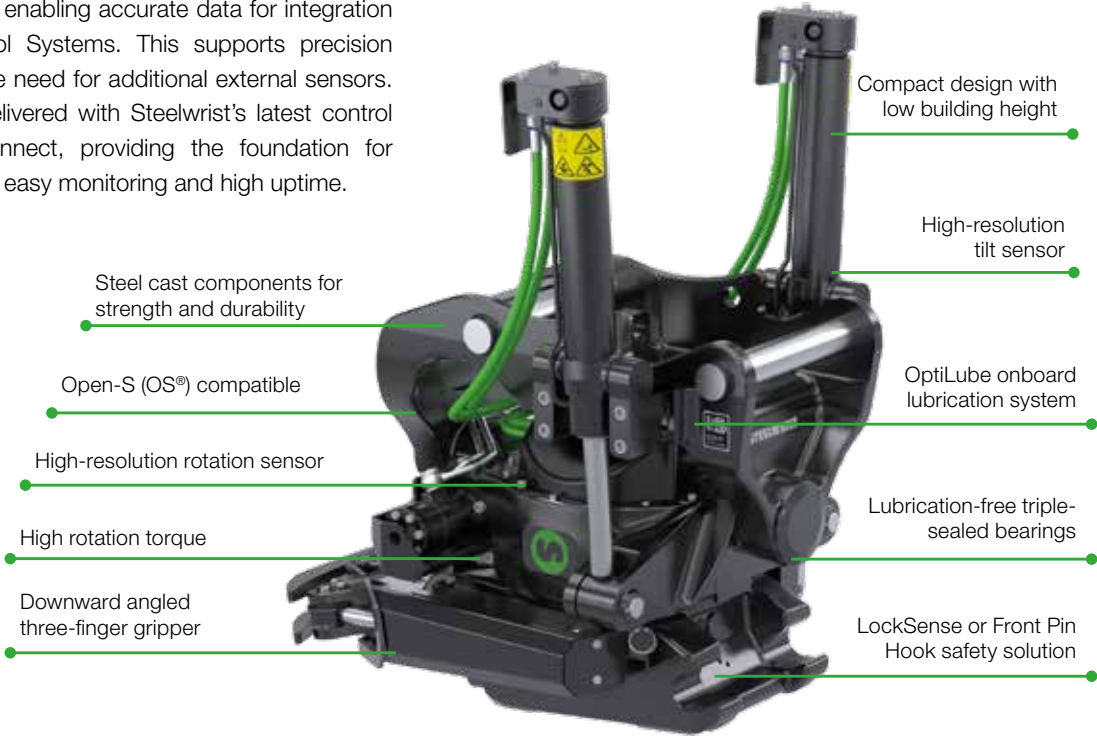
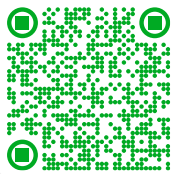
The XTR tiltrotators are equipped with high-resolution tilt and rotation sensors, enabling accurate data for integration with Machine Control Systems. This supports precision work and reduces the need for additional external sensors. The XTR series is delivered with Steelwrist's latest control system, QuantumConnect, providing the foundation for connected operation, easy monitoring and high uptime.

Optional three-finger gripper

The redesigned downward angled three-finger gripper extends the reach of the excavator and increases everyday productivity. With wide opening, near-complete closure and improved geometry, the gripper handles objects with high precision. The gripper has been extremely well received by early XTR customers, who value its reach, control and usefulness in everyday work.

The robust design, including sturdy cylinder covers, ensures smooth operation in demanding applications, and the gripper can also be retrofitted.

Product Information



TILTROTATOR XTR									
Machine weight [ton]	0–2,5		4–7	6–10	10–13	12–15	15–20	19–23	
MODEL	XTR2	XTR	XTR7	XTR10	XTR13	XTR15	XTR20	XTR23	XTR
Tiltrotator Quick Coupler	S30								
		S40, SQ40							
				S45, SQ45					
				S50, SQ50					
						S60, SQ60			
Building height from [mm]	273		380	497	530	548	557	581	
	80		195	315	395	460	540	608	
Control system	QuantumConnect								

STEELWRIST X-SERIES TILTROTATORS

Proven tiltrotator performance for everyday excavator efficiency

The Steelwrist X-series tiltrotators are built to maximize excavator efficiency and make everyday work easier, faster and more precise. With 360° rotation and 45° tilt in both directions, the tiltrotator allows the operator to perform more tasks without repositioning the excavator.

The X-series covers excavators from 2 to 33 tonnes, with eight models from X04 to X32. The range is used in applications such as general construction, landscaping, utility work, telecom, rail and road construction, where flexibility, precision and productivity are key.

Compact design with high performance

Steelwrist X-series tiltrotators are known for low building height, high tilt angle and an optimized relationship between strength and weight. Steel cast components provide durability and strength, while the compact design helps maintain good machine geometry and breakout force.

The result is a robust and efficient tiltrotator range that helps operators work faster, safer and with greater precision in a wide variety of applications.

High flow hydraulics and rotation sensor

Steelwrist high flow swivel technology allows operators to use powered work tools efficiently under the tiltrotator. It also contributes to smoother tiltrotator operation and improved fuel efficiency.

A robust and easily calibrated absolute rotation sensor is available for integration with Machine Control Systems, giving accurate rotation data and supporting precision work.

SQ technology for powered work tools

All X-series tiltrotators from X07 and upwards can be equipped with Steelwrist SQ fully automatic technology. SQ on the top side of the tiltrotator enables rapid changes between the tiltrotator and other work tools. SQ on the bottom side allows fast changes between hydraulic powered work tools.

With SQ technology, operators can change powered work tools in seconds without leaving the cab, increasing productivity and making it easier to always use the right tool for the job.



TILTROTATOR

Machine weight [ton]	2–4	5–7	7–12	10–14	12–16	16–22	18–26	25–33
MODEL	X04	X07	X12	X14	X18	X20	X26	X32
Tiltrotator Quick Coupler	S40							
		S40, SQ40						
			S45, SQ45					
			S50, SQ50					
					SQ60-4			
					S60, SQ60-5			
						SQ65		
							S70, SQ70, SQ70-55	
								S80, SQ80
Building height from [mm]	324	370	425	455	560	563	615	681
Weight from [kg]	120	195	330	390	450	540	695	890



Integrated gripper for more versatility

An integrated optional gripper adds even more versatility to the excavator. It can be used for handling stones, pipes, timber, debris and other materials without changing work tools. The Steelwrist gripper opens widely, closes almost entirely, has robust cylinder covers and does not interfere with excavation. It can also be retrofitted.

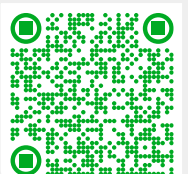
Experience that drives development

The X-series has played an important role in Steelwrist's growth and has been developed over many years together with operators, dealers and machine owners around the world. This experience has also laid the foundation for the continued development of Steelwrist tiltrotator technology, including the third generation XTR series.

- ✓ Tiltrotators for excavators from 2 to 33 tonnes
- ✓ Eight models from X04 to X32
- ✓ Low building height
- ✓ High 45° tilt angle in each direction
- ✓ Vertical tilt cylinders that allow digging in narrow trenches
- ✓ Steel cast design
- ✓ Direct fit or Sandwich configuration
- ✓ Gripper as option, retrofit possible

- ✓ Robust gripper cylinder covers
- ✓ Grease lubrication for longer lifetime and connection to central lubrication
- ✓ Front Pin Lock or Front Pin Hook for safe work tool changes
- ✓ High flow hydraulics
- ✓ Load holding valves
- ✓ Absolute Rotation Sensor
- ✓ Attachment coupler upgradable from S to SQ

Product Information



Unlock the full potential of your tiltrotator

SQ takes the tiltrotator to the next level

A tiltrotator already transforms how an excavator can be used. With 360° rotation and 45° tilt in both directions, the operator can work faster, safer and with greater precision in a wide range of applications. Adding Steelwrist SQ technology takes this flexibility and productivity to the next level.

With SQ on the tiltrotator, hydraulic powered work tools can be changed in seconds — without leaving the cab and without manually disconnecting or reconnecting hoses. This means fewer interruptions, less manual handling and more time spent doing the actual work. The result is a more efficient excavator setup where the operator can move quickly between different tasks and always work with the most suitable tool.

SQ technology for tiltrotators from SQ40 to SQ80

Steelwrist offers tiltrotators with SQ technology from SQ40 to SQ80, covering excavators from 4 to 33 tonnes. This makes fully automatic work tool changes available across a wide range of machines and applications.

SQ technology connects both hydraulics and electrical signals in one movement. It is used both in Steelwrist

quick couplers and tiltrotators, enabling fast, safe and efficient changes between hydraulic powered work tools as well as mechanical work tools.

All Steelwrist SQ products follow the Open-S (OS®) symmetrical standard, giving machine owners and operators the freedom to combine quick couplers, tiltrotators and work tools from manufacturers that comply with the same standard. SQ technology is available in both XTR- and X-series tiltrotators from Steelwrist.

Drop the tiltrotator when the job requires it

For maximum flexibility, SQ can also be used in a sandwich configuration, with an SQ quick coupler on the machine and SQ connections on the top side of the tiltrotator. This allows the operator to disconnect the tiltrotator directly from the cab when it is not needed for the task.

This is especially useful when working with tools such as hydraulic breakers, where it is not recommended to use the tool in combination with a tiltrotator. By dropping the tiltrotator, the operator can use the machine in the most suitable configuration for heavy-duty work while still quickly returning to tiltrotator operation when the task





changes. The sandwich solution gives the excavator the flexibility to shift between maximum precision, maximum tool versatility and direct-mounted power when needed.

Always use the right work tool

When changing hydraulic work tools is fast and easy, operators are more likely to use the right tool for every task. Instead of compromising because hose connections take time, the operator can quickly switch between a bucket, grapple, compactor, sweeper, tree shear or other powered work tool.

Steelwrist designs its hydraulic powered work tools to be used with a tiltrotator. Together with SQ technology, they help turn the excavator into a true tool carrier — versatile, efficient and ready for many different jobs on the same worksite.

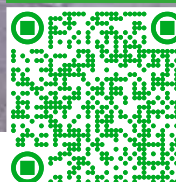
For the machine owner, this means higher utilization of both the excavator and the work tools. For the operator, it means smoother workflows, less time outside the cab and greater control throughout the working day.

- ✓ SQ tiltrotator solutions from SQ40 to SQ80
- ✓ For excavators from 4 to 33 tonnes
- ✓ Change hydraulic powered work tools in seconds
- ✓ No manual hose connection or disconnection
- ✓ Hydraulic and electrical connection in one movement

- ✓ SQ in sandwich configuration allows to drop the tiltrotator directly from the cab
- ✓ Use the right work tool for every task
- ✓ Designed for Steelwrist powered work tools
- ✓ Follows the Open-S (OS®) symmetrical standard
- ✓ Increased productivity, safety and versatility



Product Information



STEELWRIST CONTROL SYSTEMS

QuantumConnect for easier installation, smarter operation and faster support

Steelwrist has developed tiltrotator control systems since 2008. With QuantumConnect, the next step is taken towards a connected control system platform for easier installation, smarter operation, faster support and high uptime.

QuantumConnect supports the full tiltrotator workflow — from installation by dealers and service partners to daily operation by the excavator operator. The platform combines new hardware components, smart apps and connected functionality to make the system easier to install, configure, operate and support.

COMPONENTS

QuantumConnect consists of a new generation of hardware components for precise tiltrotator control, machine integration and connected operation. With a compact design the components are made to take up the minimum amount of space on any excavator.

The system is delivered in a well-organized box with the main components and a machine-specific cable harness, making installation easier from the start.

QIO MODULE



The QIO module operates the tiltrotator, communicates with Machine Control Systems and supports efficient integration with the excavator.

CONNECTIVITY GATEWAY



The Connectivity Gateway handles communication with radio-connected components such as LockSense, ToolRec and OptiLube, and includes 4G connectivity for over-the-air updates, notifications and cloud backup.

TOUCH DISPLAY



The in-cab 3.2" touch display shows system status and gives the operator an easy way to view settings and read notifications from the QuantumConnect platform.

A9 JOYSTICKS



The A9 joysticks are developed for operators with high demands on ergonomics and functionality. They can be configured with two or three rollers and include a 5-way mini joystick switch, integrated hand heating and haptic vibration feedback.

INSTALLING

QuantumConnect is designed to make tiltrotator installation easier, faster and more consistent for Steelwrist technicians, dealers and service partners. Compact components, modular hardware, machine-specific cable harnesses and predefined templates reduce the need for extensive customization.

Configuration is managed in the QuantumConnect app, where reusable templates help speed up deployment and make it possible to copy similar setups across multiple machines. Machine configurations and settings can also be securely stored and retrieved from the cloud, making future service and support more efficient.

The InstallMate app provides predefined, machine-specific and multilingual installation guides. It supports technicians step by step, enables remote installation support in the local language and is continuously updated based on feedback from installations around the world.



- **COMPACT COMPONENTS**
- **MULTILINGUAL INSTALLATION GUIDES**
- **INSTALLMATE APP**
- **MACHINE SPECIFIC WIRE HARNESS**

OPERATING

QuantumConnect is built around the operator experience. All tiltrotator hydraulic functions are controlled proportionally with rollers on the A9 joysticks, giving precise and intuitive control. Auto-calibration of hydraulic valves helps optimize the driver experience and minimize fuel consumption.

The QuantumConnect app allows the operator to configure settings, access support and keep the system updated. Integrated LockSense support gives clear indication of secure work tool locking, both on the machine coupler and on the tiltrotator coupler.

Optional Machine Control System integration provides bucket position feedback through the MCS display and enables auto-tilt functionality based on 3D machine control data. Optional track and wheel steering lets the operator control the excavator wheels or tracks directly from the joystick rollers.

ToolRec wirelessly detects the connected work tool and can automatically adjust tiltrotator settings.



- **PROPORTIONAL TILTROTATOR CONTROL**
- **QUANTUMCONNECT APP**
- **A9 JOYSTICKS**
- **LOCKSENSE INTEGRATION**
- **OPTIONAL TRACK AND WHEEL STEERING**
- **MACHINE CONTROL SYSTEM (MCS) INTEGRATION**
- **TOOLREC**

QUANTUM CONTROL SYSTEM FOR X-SERIES TILTROTATORS

Steelwrist X-Series tiltrotators are delivered with the well-proven Quantum control system and L8 multifunctional joysticks. Based on knowledge from thousands of installations, Quantum provides smooth proportional control, simultaneous use of all functions, remote support, tool recognition, optional track and wheel steering, and Machine Control System integration.

MIC 4.0 SYSTEMS

Some manu-

facturers have started delivering excavators with the standardized MiC 4.0 CAN bus protocol for controlling work tools. Steelwrist has the solution not only for the communication protocol but, as a founding member of the Open-S Alliance, also for the electrical connector used by all Open-S members.



4-HOSE SYSTEMS

The smallest compact excavators often use one hydraulic circuit for rotation while the other tiltrotator functions share a second hydraulic circuit. A minimal control system installation is needed, but not all functions can be used at the same time. 4-hose systems are normally only used on compact excavators.





STEELWRIST TILT COUPLERS

When a robust tilt function is enough

XT Tilt coupler

The Steelwrist tilt coupler is a combination between a robust tilt motor and the patented Front Pin Lock technology or Front Pin Hook from Steelwrist.

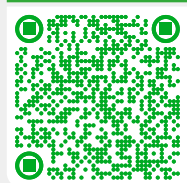
With the Steelwrist tilt coupler you will get a safe quick coupler solution when you just need the tilt function and not the full-blown tiltrotator functionality. The Steelwrist tilt coupler is based on the steel cast coupler as well as the robust direct fit top with expander pins.

TCX

The TCX - a tilt function for the smallest excavators, is available as Direct mounted with S30 and S40 coupler, both manual snap-on or hydraulic.



Product Information



- ✓ Front Pin Lock or Front Pin Hook coupler for safe work tool changes
- ✓ Large contact surfaces to work tool thanks to its casted design
- ✓ Expander pins results in a play-free connection
- ✓ Impressive high tilt torque
- ✓ Overload protection with cross-over valves
- ✓ Up to 2x90° tilt angle
- ✓ Upgradeable from S to SQ, following the Open-S (OS®) symmetrical standard (XT10 and up)

TILT COUPLER

Machine weight [ton]	0-2	2-4	2-6	5-7	5-12	12-20	18-24
MODEL	TCX	TCX	XT4	XT7	XT10	XT20	XT23
Quick Coupler	S30	S40	S40	S40, S50	S45, S50, SQ50	S60, SQ60	S70, SQ70
Tilt Angle [degree]	±30°	±30°	±90°	±90°	±60°	±60°	±60°
Building height from [mm]	162	202	368	394	445	515	625
Weight from [kg]	28	66	95	145	210	360	620

STEELWRIST ROTOR COUPLERS

Empower your excavator with advanced rotation technology

Steelwrist rotor couplers bring a new level of versatility and precision compared to a standard coupler. Designed to perform, our robust gearbox allows for precise and efficient rotation of any work tool. Whether it is road construction, shaping embankments or digging trenches, our rotor couplers enhance the flexibility and productivity of your excavator.

Compact design and easy installation

Steelwrist rotor couplers have a robust design and still a low building height and weight. Installation is easy as no separate control system is required. The machine needs to be equipped with one quick coupler line, one proportional dual direction line, and for the gripper/AUX function (option), one additional auxiliary line.

High flow swivel joint for enhanced capabilities

Our rotor couplers have high flow swivel joints, enabling the use of high flow-demanding work tools such as hydraulic breakers, compactors and grapples. The high flow swivel design ensures maximum flow efficiency, allowing your work tools to perform at their best.



Possible to upgrade with SQ technology

Steelwrist rotor couplers are available with interfaces following the Open-S (OS®) symmetrical standard. It is possible to upgrade from S to SQ, enabling switch between hydraulic powered work tools, all without leaving the cab.

- ✓ Easy to install: Quick and straightforward setup without the need for integrating a control system
- ✓ 360-degree rotation: Full rotation freedom for maximum maneuverability and effectiveness
- ✓ Integrated gripper (option): Enhance your excavator's functionality with a gripper, ideal for precise material handling
- ✓ Absolute rotation sensor (option): Upgrade your coupler with an Absolute rotation sensor for improved accuracy, control and integration with Machine Control Systems (MCS)
- ✓ Upgradeable from S to SQ, following the Open-S (OS®) symmetrical standard

ROTOR COUPLER		
Machine weight [ton]	4–7	12–20
MODEL	XR7	XR20
Quick Coupler	S40, SQ40	S60, SQ60
Building height from [mm]	272	487
Weight from [kg]	130	490





OPEN-S - THE GLOBAL STANDARD

A good solution for machine owner and industry

Open-S (OS®) is the open standard for automatic couplers for excavators. It is owned and managed by an independent organization, Open-S Alliance, and builds on the independent and established standard that already exists for quick couplers, the symmetrical standard. Steelwrist is a founding member of this organization.

The goal is to give machine operators and contractors around the world the freedom to combine quick couplers, tiltrotators and work tools from manufacturers that are in compliance with the standard, and to promote continued technological development. OS® is a registered trademark and all products that comply with the Open-S (OS®) standard can use this name.

Freedom to choose and combine

With an open standard for quick couplers, machine operators and contractors can more easily choose quick couplers, tiltrotators and work tools from different manufacturers, and be confident that they will function together. The standard also means that dealers can provide clearer information about which products fit together.

Technological development

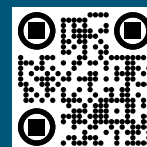
With a common standard it is easier for industry manufacturers to continue to compete with performance and functionality, and still offer customers compatibility.

Safety first

Reducing the risk of accidents and incidents is a priority and in recent years major and important advances have been made in terms of product and operator safety. With Open-S (OS®) you can be more confident that these solutions will continue to work. The open interface defines hydraulic couplers and ensures that a combination of products from different manufacturers will not in any way interfere with or alter the safety solution of each individual product.

The future is open!

Read more at opens.org



STEELWRIST ADAPTORS

Connecting work tools efficiently

Connecting work tools in an efficient way is always a good idea. Steelwrist offers a wide range of different adaptor plates and weld-on adaptors for easy conversion of both hydraulically powered work tools and mechanical work tools to the Open-S (OS®) standard.

Always use the right work tools

The adaptor enables the connection of the work tool used with the machine coupler or tiltrotator coupler on the excavator. With the Steelwrist range of adaptors you can ensure that the right work tool is always used and you can easily expand your range of work tools with new adaptors.

SQ adaptors

With the SQ technology you change work tools in seconds, even between work tools bought from different manufacturers. Our SQ adaptors include oil couplings that are compliant with the Open-S (OS®) standard, and therefore work perfectly with other Open-S manufacturers' couplers having the same dimensions and positions.

By using Steelwrist SQ adaptors you can convert any work tool or attachment to Open-S (OS®).



- ✓ Cooperation with work tool manufacturers to make SQ adaptors an integrated part of the design
- ✓ SQ adaptors for all types of powered work tools used in demolition applications
- ✓ All our adaptors follow the Open-S (OS®) standard for the mechanical, hydraulic as well as the electrical interface
- ✓ Hole patterns for more than 1000 different tools in the market (Bolt-on adaptor plates SQ)

WELD-ON ADAPTORS SQ

Weld on SQ adaptors - low

Weld on SQ adaptors - high



BOLT-ON ADAPTOR PLATES SQ

SQ adaptor plate for internal hoses

SQ adaptor plate with manifold



WELD-ON ADAPTORS S

Weld on S-type adaptors



PENDULUM ADAPTORS SQ

Pendulum Adaptors





Product Information



STEELWRIST POWERED WORK TOOLS

Work tools for a wide range of applications

Our powered work tools include a range of multi-, sorting- and finger grapples as well as pallet forks, sweepers, tree shears and compactors. They are specialized for use on excavators in construction, light and medium-duty demolition, forestry and landscaping, as well as rail and road work, utility work and for clearing up after floods and storms.

Perfect for use under a tiltrotator

All our work tools are optimized for use under a tiltrotator. The tiltrotator lets the operator tilt and rotate the work tool when performing different tasks, without repositioning the excavator, which saves time and improves productivity. Steelwrist SQ automatic oil connection technology improves the excavator efficiency even further as it lets the

operator change hydraulic work tools without leaving the cab. With SQ automatic couplers on the tiltrotator, upper and/or attachment coupler, the operator can do rapid changes between the tiltrotator and work tools, depending on the task at hand.

Open-S (OS®) compliant SQ products

Our powered work tools are available with an interface following the Symmetrical standard (S standard), which is the fastest growing standard internationally. The work tools (except the sweeper) can easily be upgraded from S-type to SQ-type interface. All Steelwrist SQ products follow the global Open-S (OS®) industry standard for automatic couplers for excavators.

HYDRAULIC PALLET FORKS

A hydraulic pallet fork on the excavator expands the possibilities of the work that can be done, making it easier and faster to lift or move pallets at the jobsite. The spread between the fork tines is adjustable using the hydraulic control inside the excavator cab. When the pallet fork is mounted under a tiltrotator and can be rotated the versatility of this work tool increases even more.

- ✓ Ideal when working in tight areas
- ✓ Excellent through visibility



Machine weight [ton]	2-6	10-33
MODEL	HPF2000	HPF5000
Quick Coupler	S40, SQ40	SQ50, SQ60-4, SQ60-5, SQ65, SQ70, SQ70/55, SQ80
Weight from [kg]	210	500
Width [mm]	1 015	1 482
Length [mm]	1 573	2 074
Fork dimensions [mm]	80x40x1 000	125x50x1 200



COMPACTORS

Steelwrist compactors for excavators are engineered to deliver unparalleled high compaction force, making soil and trench compaction seamless and effortless. With our innovative design, the compactor operates smoothly even with unmatched low hydraulic flow and is therefore optimized to be used under a tiltrotator. The operator can easily position the compactor with precision to enable optimal compaction.

- ✓ Energy efficient design that results in a lower fuel consumption
- ✓ Optional widening kit available for retrofit
- ✓ Less vibrations and noise into the excavator arm and cab
- ✓ Upgradeable from S to SQ, following the Open-S (OS®) symmetrical standard



Machine weight [ton]	2–6	6–8	8–12	12–14	14–20	20–26
MODEL	HGX6	HGX8	HGX12	HGX14	HGX20	HGX26
Quick Coupler	S40, SQ40	S45, SQ45, S50, SQ50	S45, SQ45, S50, SQ50	S60, SQ60	S60, SQ60	S70, SQ70
Weight from [kg]	190	210	390	420	520	590
Width [mm]	470	470	630	630	760	760
Compaction Force [kN]	25	25	50	50	70	70



TREE SHEARS

A tree shear on the excavator is a powerful work tool for cutting trees, branches, brush, and energy wood, significantly reducing the time required compared to manual cutting. The Steelwrist tree shear has a fixed blade and a powerful cylinder for the best cutting power and to ensure safe cutting. The two grapple arms are designed to give the best grip around the tree trunk. Thanks to the use of high quality steel the grapples are durable yet light in weight, minimizing wear on the excavator. The knife is located at the bottom of the shear to get as low to the stump as possible.

- ✓ Allows for selective cutting without damaging surrounding vegetation
- ✓ For cutting round wood up to 180 millimeters
- ✓ Upgradeable from S to SQ, following the Open-S (OS®) symmetrical standard

Machine weight [ton]	4–7
MODEL	TSX6
Quick Coupler	S40, SQ40
Weight from [kg]	185
Cutting capacity, diameter [mm]	≤ 180



SWEEPERS

Regardless if you have a need for cleaning pavements, cable trenches, railway switches, tram tracks, roofing, containers, flooding or other disaster areas from debris, material or snow, the Steelwrist sweeper range gives you the tool to take on the job. Instead of using manual shovels, snow plows or other similar work tools the Steelwrist sweeper range will give you access to the work area in a completely different and much more effective way. Dual direct drive hydraulic motors safeguard the torque needed for efficient brushing and a long lifetime.

- ✓ Mudflap as standard
- ✓ Integrated parking stand
- ✓ Bolt on top brackets available with S-, SQ-, CW- and HS-type standards



Machine weight [ton]	5–33	5–33	5–33
MODEL	SW1000	SW1500	SW2000
Quick Coupler	S40, SQ40, S45, SQ45, S50, SQ50, S60, SQ60	S45, S50, S60, SQ45, SQ50, SQ60	S60, SQ60, SQ65, S70, SQ70, SQ70/55
Weight from [kg]	205	250	320
Width [mm]	1 000	1 500	2 000

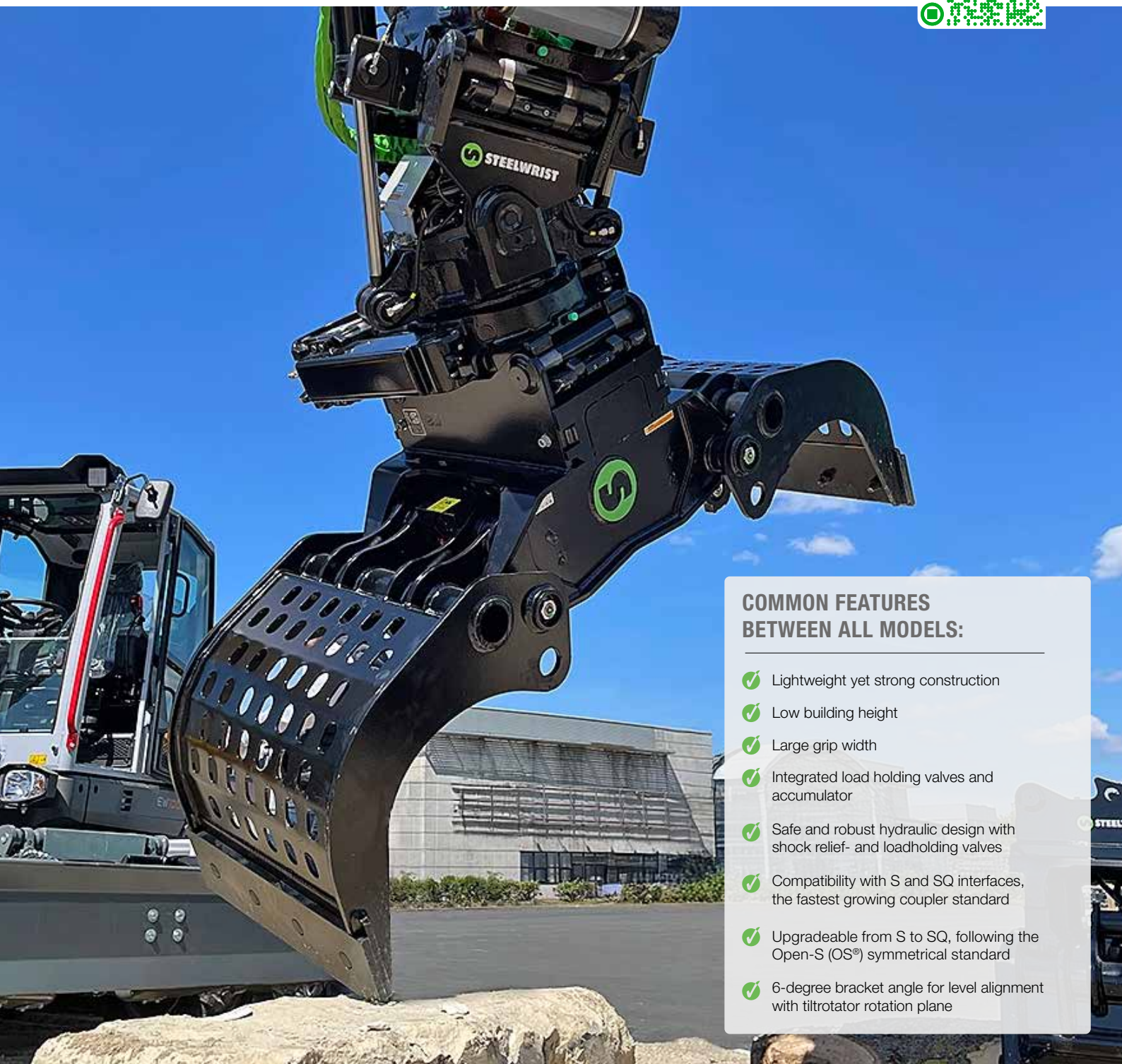
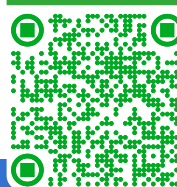


Grapples for your everyday tasks

Steelwrist's range of grapples are optimized for use with the tiltrotator and share common features that enhance their efficiency and durability. Our second generation grapples are lighter in weight and stronger, and the

overall height has been reduced. Each model has its specialized purpose yet all are still extremely useful for a variety of tasks.

Product Information



COMMON FEATURES BETWEEN ALL MODELS:

- ✓ Lightweight yet strong construction
- ✓ Low building height
- ✓ Large grip width
- ✓ Integrated load holding valves and accumulator
- ✓ Safe and robust hydraulic design with shock relief- and loadholding valves
- ✓ Compatibility with S and SQ interfaces, the fastest growing coupler standard
- ✓ Upgradeable from S to SQ, following the Open-S (OS®) symmetrical standard
- ✓ 6-degree bracket angle for level alignment with tiltrotator rotation plane

MULTI GRAPPLES

A versatile and strong grapple for use in general construction, heavy lifting, stone laying, sorting, timber loading, waste wood handling and light demolition.



- ✓ Fully closing by-passing arms ensure even the thinnest objects are gripped securely
- ✓ High grade steel in wear plates for unmatched lightness and strength
- ✓ Enhanced synchronized arm movements for smoother operation and precision handling of the objects

Machine weight [ton]	0-2	2-4	4-7	6-8	6-14	12-20	18-26
MODEL	MGX2	MGX4	MGX6	MGX8	MGX14	MGX20	MGX26
Quick Coupler	S30	S40, SQ40	S40, SQ40	S45, SQ45, S50, SQ50	S45, SQ45, S50, SQ50, S60, SQ60	S60, SQ60, S65, SQ65	S70, SQ70, S70/55, SQ70/55
Weight from [kg]	53	79	201	204	307	488	605
Gripper reach [mm]	1 066	1 304	1 437	1 437	1 609	1 819	2 028
Lifting capacity [kg]	1 000	2 000	3 000	3 000	6 000	8 000	10 000



SORTING GRAPPLES

The sorting grapple is excellent for handling tougher materials like rocks, large stones, timber and scrap, as well as for recycling, sorting and medium-duty demolition.

- ✓ Tip-to-tip closing for efficiently picking up small objects
- ✓ Impressive grip width to also handle larger items with ease



Machine weight [ton]	2-7	6-8	6-14	12-20	18-26
MODEL	SGX6	SGX8	SGX14	SGX20	SGX26
Quick Coupler	S40, SQ40	S45, SQ45, S50, SQ50	S45, SQ45, S50, SQ50, S60, SQ60	S60, SQ60, S65, SQ65	S70, SQ70, S70/55, SQ70/55
Weight from [kg]	251	253	376	597	744
Gripper reach [mm]	1 646	1 646	1 839	2 084	2 281
Lifting capacity [kg]	3 000	3 000	6 000	8 000	10 000

FINGER GRAPPLES

This heavy-duty grapple is specifically designed for handling challenging materials like stumps, scrap and forest residue.



- ✓ The by-passing jaws close fully so that also thin objects can be handled with ease
- ✓ Robust design with a total of 6 bypassing fingers in high grade steel to keep weight down while enhancing life time

Machine weight [ton]	2-7	6-8	6-14	12-20	18-26
MODEL	FGX6	FGX8	FGX14	FGX20	FGX26
Quick Coupler	S40, SQ40	S45, SQ45, S50, SQ50	S45, SQ45, S50, SQ50, S60, SQ60	S60, SQ60	S70, SQ70
Weight from [kg]	260	280	400	655	835
Gripper reach [mm]	1 451	1 451	1 632	1 830	2 026
Lifting capacity [kg]	3 000	3 000	6 000	8 000	10 000





STEELWRIST BUCKETS

Lighter, more durable, more affordable

Our buckets are constantly evolving based on customer feedback and we are now on our fourth generation. The main benefits are even further optimized geometry and volumes. High grade steel allows us to make a more wear resistant bucket without increasing the weight.

Thanks to the sharp growth of our bucket business we have acquired economies of scale in production – the benefit for you is that we can offer high quality buckets at a more affordable price.

Most buckets we have on stock for fast delivery.



GRADING BUCKETS

Perfect with the tiltrotator - making grading work easier

- ✓ High grade steel in wear plates
- ✓ 15-20° bucket angle
- ✓ Cutting edge in HB 500 material
- ✓ Rounded back without corner for easy fill/empty cycle

CABLE/TRENCH BUCKETS

A bucket for precision digging of narrow and deep trenches.



- ✓ High grade steel in wear plates
- ✓ 20-30° bucket angle
- ✓ Cutting edge in HB 500 material
- ✓ Available with or without teeth
- ✓ Standard or conical shape

DIGGING BUCKETS

A general purpose bucket for tough jobs.



- ✓ High grade steel in wear plates
- ✓ 20-30° bucket angle
- ✓ Available with or without teeth
- ✓ CAT J-style tooth system

SKELETON BUCKETS

A general purpose bucket for sorting larger objects and debris.



- ✓ High grade steel in wear plates

SORTING BUCKETS

Buckets designed for easy and efficient sorting of material.



- ✓ High grade steel in wear plates and steel bars

UTILITY BUCKETS

Adapted for work in water and sewage applications.



- ✓ High grade steel in wear plates
- ✓ 30° bucket angle
- ✓ Cutting edge in HB 500 material

V-DITCH BUCKETS

The V-shaped bucket profile is perfect for drainage work.



- ✓ High grade steel in wear plates

CUSTOM BUILD BUCKETS

Design your own bucket!

If I only had a specific bucket shape then I would be able to do this job much faster... Ever had that feeling?

We know that occasionally an experienced operator may have specific needs! As a technology leading work tool supplier we have the tools available so that you can design your own custom built bucket online. Super easy!



Visit our homepage at steelwrist.com/custombuild and design your own bucket.

Product Information





STEELWRIST MECHANICAL WORK TOOLS

Making the job easy with the right tools

Steelwrist offers mechanical work tools adapted for excavators and for use under the tiltrotator. Steelwrist work tools offer a wide range of functions, allowing you to perform various tasks efficiently and easily across all different types of jobs.

Whether it's breaking through tough surfaces, cutting asphalt, leveling grounds, clearing debris or handling heavy loads, the right work tool plays a crucial role in enhancing the excavator's capabilities and contributing to the success of the projects you are undertaking.

To design effective work tools requires a multidisciplinary approach that includes engineering, materials science, ergonomics and user feedback.

When designing our Steelwrist work tools we address all these crucial factors with the goal of making our range of work tools cost efficient and easy to use. Steelwrist growing range of mechanical work tools include rippers, asphalt cutters, grading beams, brushes and pallet forks.

With a ripper you can break up hard and compacted materials such as rocky ground, hard soil and ground frost. Using a grading beam is ideal for leveling and shaping flat surfaces. When cleaning up debris and other material from a work site the brush is a practical work tool. Finally the pallet forks are indispensable for material handling tasks such as loading and unloading materials from trucks, moving construction supplies, and arranging materials on job sites.



GRADING BEAM

The grading beam is ideal in groundwork projects for leveling and shaping flat surfaces of soil, gravel, sand or other loose aggregates, over large areas. The angled top bracket keeps the grading surface rotating perfectly with the tiltrotator.

The extended rear blade lets you carry and spread material without changing work tool.



PALLET FORK

The pallet fork is indispensable for material handling tasks such as loading and unloading materials from trucks, moving construction supplies, and arranging materials on job sites. It is excellent for use in areas with limited space, such as roadwork.



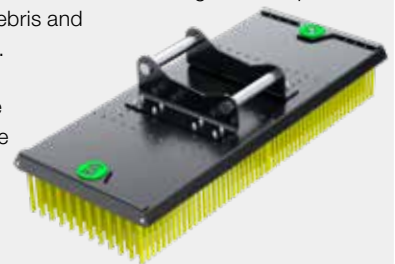
Steelwrist pallet forks have adjustable spread and excellent through-visibility.



FIXED BRUSH

With the fixed brush you can sweep gravel, remove snow from bus stops and barns or sweep near traffic without risking stone chips. It is practical for cleaning up debris and other material from a work site.

It can easily be used under the tiltrotator, so you can adjust the angle to reach tight spaces.



RIPPER

Use the ripper on the excavator to break through hard or frozen ground, remove rocks, tree roots or old pipes. It is an efficient attachment for structural demolition or preparing the ground before using a digging bucket, when conditions are too hard for normal excavation.

The design allows for optimal breakout force and the tooth on the ripper can easily be replaced.



ASPHALT CUTTER

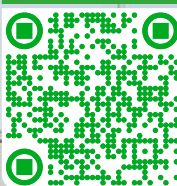
The asphalt cutter is ideal for preparing the ground ahead of a cable and pipe installation. It is popular to use under the tiltrotator for that extra dimension of control and precision of the area to cut, keeping edges well-defined, and without removing material unnecessarily.

In addition to the efficient cutting of asphalt, the design makes precision cuts on lawns possible, leaving tidy incisions.





Product Information



STEELWRIST SUPPORT

Global support – Anytime, anywhere

At Steelwrist, the customer is always our top priority and our goal is to provide fast and professional support of our products.

A global network of authorized dealers and service partners serves as our first line of support in each market, offering deep knowledge of local customer needs. Backed by Steelwrist's own representation in

more than 20 countries, online tools and local warehouses, support is always within reach.

DEALERS AND SERVICE PARTNERS

With a growing number of Steelwrist authorized dealers and service partners in more than 25 markets worldwide, we provide distribution, delivery, installations and aftermarket support.



HQ – Rosersberg, SWEDEN



YOUR SUPPORT CONTACTS

Our goal is fast and efficient expert help, whenever and wherever you need it. We train and support our dealers and service partners to provide the best customer service, and at Steelwrist we are available to answer when you have questions or need technical assistance. You can always contact your local service partner, or Steelwrist directly by phone, chat and online tools. Authorized dealers and service partners have access to the Steelwrist Portal on the website. The Steelwrist Portal is a comprehensive site where you can order spare parts, view orders, search by serial number, see technical documentation, find service manuals, register warranty claims and much more.

SPARE PARTS

Need spare parts? We know that reliability and uptime are crucial, and aim to provide world-class support to ensure that your equipment stays operational. Steelwrist sells spare parts through dealers and service partners, who place the orders in the Steelwrist Portal. If you need guidance to identify the right spare part you can also always contact your local Steelwrist support team. Many Steelwrist dealers keep spare parts in stock, ready for delivery. We stock all spare parts in our central warehouse at the production facility in Rosersberg, Sweden, from where we supply to our warehouses world-wide, to ensure high local availability. Shipments are made the same day from either our local or central warehouse.

WARRANTY

A standard warranty for 12 months or 1600 hours, whichever comes first, is always included when buying a new Steelwrist product. For tiltrotators and quick couplers the

warranty can be extended at no cost to 24 months or 3200 hours, whichever comes first, by registering the product with Steelwrist within a month after it has been taken into use. It is also required that you follow the service and maintenance schedule as stipulated in the user manual.

FULL SERVICE

Keep your Steelwrist tiltrotator performing like new with our Full service reconditioning. After years of use, wear parts such as bushings, bearings, and hoses may need replacement. Our fixed-price Full service includes complete disassembly of the tiltrotator, replacement of all wear parts, a thorough cleaning, reassembly and testing. Your equipment is returned fully refurbished and ready for extended service life. The Full service will take about a week.

STEELWRIST APPS

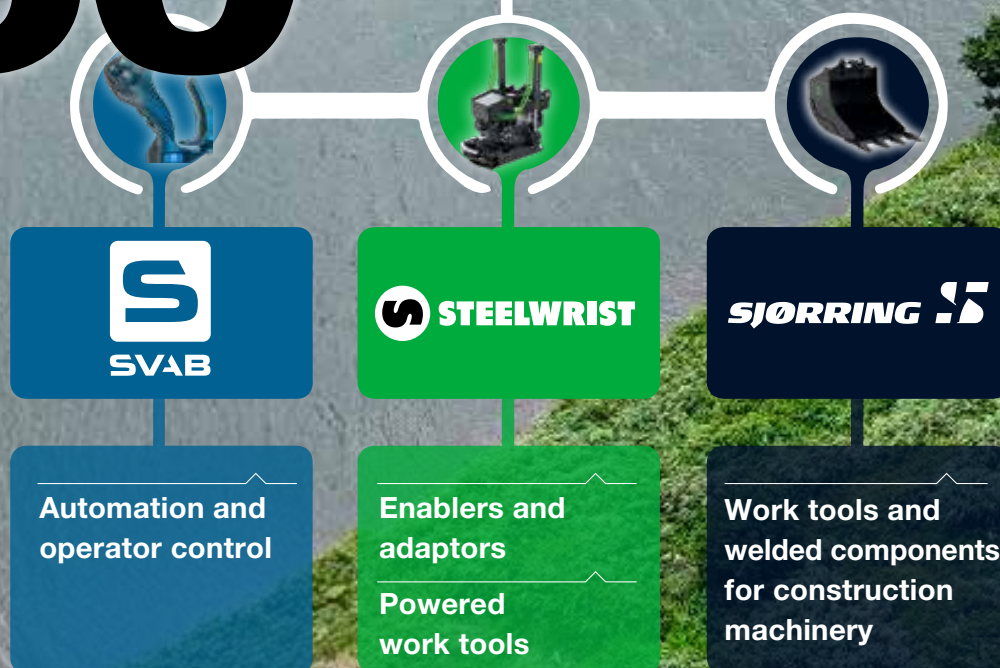
We have developed our products and control systems to let you perform at your best. We continue to push the boundaries of development towards connected systems that deliver smooth operations and fuel efficiency, while simplifying ease of use, installation and support. The Steelwrist apps will give you the best possible guidance and instructions for our products, and unlock the full potential of our control systems.

The Steelwrist apps are available on both Android and iOS.



30

TERRA TECH



THE TERRATECH GROUP

A clear focus on machine efficiency

The Terratech Group consists of three companies, SVAB Hydraulik AB with its head office and production facility in Åsbro, Sweden, Steelwrist AB with its head office and production facility in Rosersberg, north of Stockholm, Sweden, and Sjørring Maskinfabrik A/S with its head office and production facility in Thisted, Denmark.

Strong connection in the value chain

Terratech was established as a group in 2015 with Steelwrist as its first daughter company. In 2016, SVAB was acquired and in 2022, Sjørring was acquired, and Terratech's focus expanded from tiltrotators and quick couplers to an increased product offering with a portfolio to supply a complete solution for excavators and wheel loaders. This is achieved by adding

SVAB's focus on innovative control systems and operator controls, and Sjørring's decades of expertise in engineering and manufacturing wheel loader and excavator buckets, as well as other work tools.

Global reach

Terratech has a large global presence through twelve Steelwrist subsidiaries, and sales representatives in additional countries. The sales functions are spread across four continents, with Europe having the largest representation. Additionally, the American, Asian, and Oceania markets are all experiencing rapid growth. At the Sjørring facility a hub has been established to enable efficient supply of work tools to Steelwrist locations globally.





STEELWRIST PEOPLE AND SUSTAINABILITY

Sustainability – a continuous mindset

Steelwrist has from its inception focused on excavator efficiency, which is also our biggest contribution to a more sustainable and environmentally friendly world. The pursuit of excavator efficiency in various forms - such as improved fuel efficiency, enhanced machine performance, ergonomic advancements, enhanced work site safety, reduced transport needs, and increased excavator versatility - lies at the very core of Steelwrist's values.

We know that an excavator equipped with Steelwrist's products is about 20 to 40 percent more efficient than a traditional excavator and we know that the result of this is less fuel consumption, fewer heavy machines needed on job sites, less heavy transportations and increased job safety as many tasks now can be carried out by the excavator operator. The fact that the job can be done faster and that excavators become more versatile eventually result in less environmental impact and increasing profitability for the owner.

Apart from our product impact, Steelwrist also work hard to reduce the environmental footprint from our operations. We are following ISO standards, implementing policies to maintain a more responsible and safe business practice as well as continuously trying to reduce our emissions and improving our impact on the environment.

We cannot do everything, but with a continuous mindset we can make sure we pull our own weight in this very important job ahead.





STEELWRIST

EARTHMOVING EFFICIENCY



Open-S – the open industry standard for fully automatic quick couplers for excavators. The purpose of Open-S (OS®) is to provide global interchangeability between quick couplers, tiltrotators and work tools from different manufacturers.

Read more at www.opens.org

