

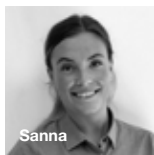
UK

OPEN | 

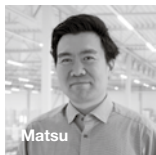
STEELWRIST



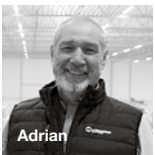
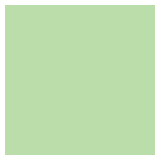
STEELWRIST
in Demolition



Sanna



Matsu



Adrian



Luis



David



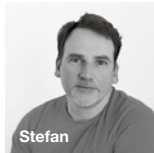
Martin



Tate



Masubuchi



Stefan



Alain



Darryn



Piotr



Arturo



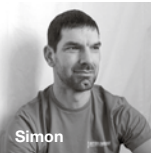
Jason



Victor



Christoffer



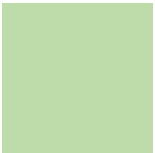
Simon



Claes



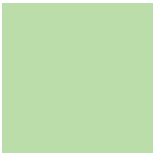
Jongchul



Erik



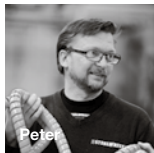
Jens



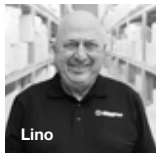
Runar



Toni



Peter



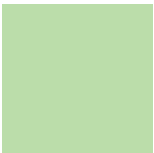
Lino



Konrad



Adam



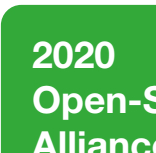
Malgorzata



Adam



Andreas



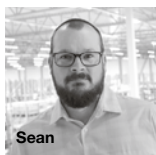
2020
Open-S
Alliance
founde



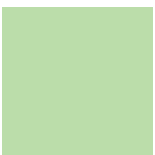
Tom



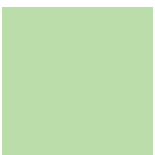
Carmine



Sean



Jonathan



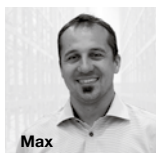
Pierre



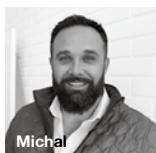
Stefan



Kent



Max



Michal



Susann

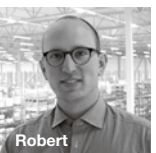


Fredrik



Yamil

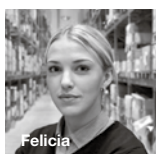
2017
SQ Auto
connection
technology



Robert



Frank



Felicia



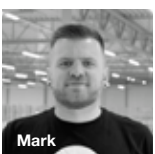
Jaakko



Richard



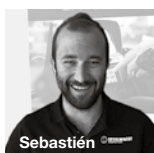
Nicolas



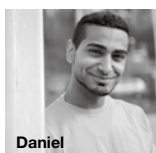
Mark



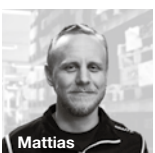
Tom



Sebastián



Daniel



Mattias

2012
Quick
couplers
with
Front
Pin Lock



Atle



Jos



Sofia



Aaron



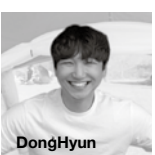
Jochen



Rainer



Hans



DongHyun



Hagen



Marcin



Karl

2006
First
Steelwrist
tiltrotator



Topi



Pawel



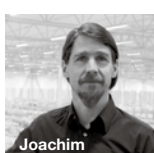
Walter



Erik



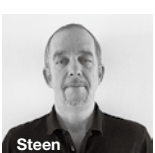
Fredrik



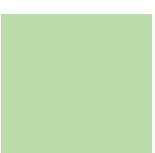
Joachim



Michael



Steen

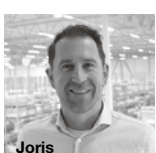


Tony

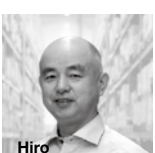


David

2005
Steelwrist
is founded



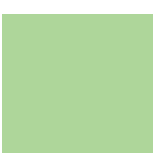
Joris



Hiro



Peter



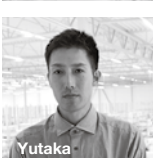
Jason



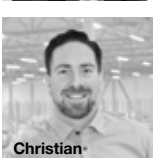
Alexander



James



Yutaka



Christian



Takujiro



Anders



2025
Steelwrist
20 years

Kent

Hugo

2024
Steelwrist
third
generation
tiltrotators

Sissi

Wim

Therese

Matthew

Kristian

Jakob

Jean

Markus

Jyri

Claus

Jonathani

Tim

Joe

Detlef

Peter

Roy

Niklas

Nicholas

Dale

Dominique

Pascal

Luca

Henrik

David

Russell

Matthew

CELEBRATING 20 YEARS OF COMMITMENT TO 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 2025 Steelwrist celebrates 20 years in business. The journey of innovation continues, and the company is set to launch several new products. More models are added within the third generation of Steelwrist tiltrotators, featuring state-of-the-art technology. Additionally, the SQ technology is extended to excavators up to 6 tonnes with the introduction of the SQ40 coupler, enabling quick and effortless changes of high-flow-powered work tools for compact excavators.

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.

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- 06. Open-S - The global standard
- 08. SQ Auto Connection System
- 10. Demolition and recycling applications
- 12. SQ Adaptors
- 14. SQ size and connections, dimensions and locations
- 16. Global support
- 18. The Terratech group
- 19. People and sustainability

The key to unlock your excavator efficiency

The Steelwrist offering

The core of the Steelwrist product offering includes quick couplers, tilt couplers, tiltrotators and from 2024 rotor couplers 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 automatic couplers?

In the 1970s the first excavators equipped with quick couplers were introduced and thanks to this innovation the operator could change between different mechanical work tools without leaving the cab. However when you are changing between hydraulically powered work tools you still need to step out and manually connect the hoses between the machine and the tool used. This is a time consuming process and for each tool change work has to stop, resulting in lost productivity or even worse, the risk that the operator continues the work with the excavator equipped with a tool that is not optimized for the job.

With an automatic coupler solution the hydraulic connection is integrated in the quick coupler and makes it possible also to change hydraulic powered work tools without having to leave the cab. Especially in the Demolition industry frequent changes between different hydraulic powered work tools is part of the process and here the automatic couplers have quickly grown in popularity. On demolition job sites safety is crucial and the need to avoid personnel in the demolition zone is

often mandatory, and therefore equipping the excavators with automatic couplers increases safety as well as productivity.

Steelwrist SQ technology and Open-S (OS®)

In 2017 Steelwrist introduced the SQ auto connection system for quick couplers and tiltrotators. With the SQ technology it is possible to connect both hydraulics and electrical signals in one movement. With eight different quick coupler models we offer a SQ solution for excavators from 2 to 70 tonnes.

In the process of developing the Steelwrist SQ automatic couplers solution we realized that the world does not need another proprietary solution that locks the contractor into only using components from one manufacturer. Therefore Steelwrist took the initiative to create the Open-S (OS®) symmetrical standard with the goal to give machine operators and contractors the freedom to combine quick couplers and work tools from different manufacturers.

Work tool adaptors

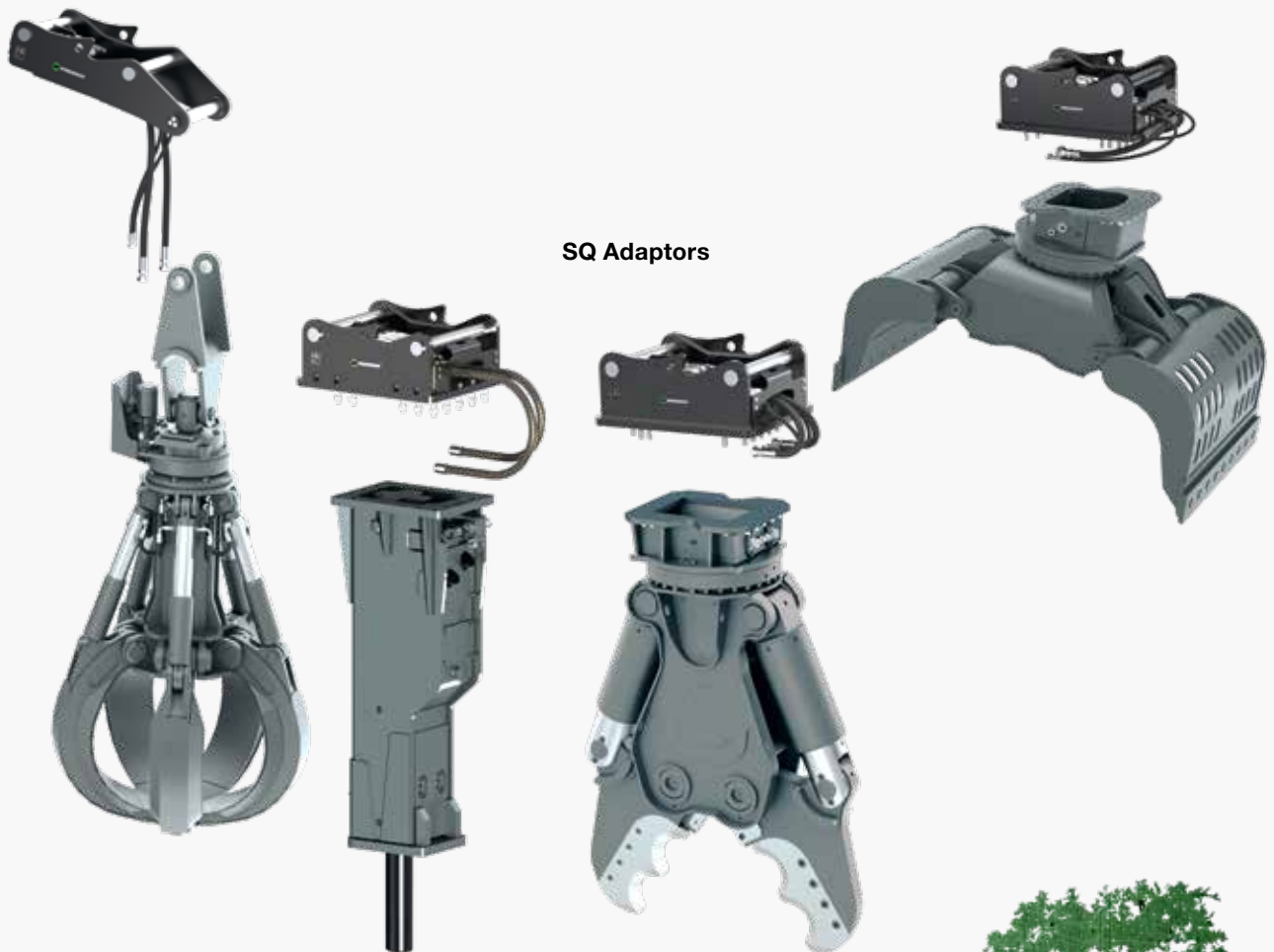
In the Demolition industry there are many different work tools, all specialized for different parts of the demolition process. With a wide range of different SQ adaptor plates, Steelwrist offers a solution to ensure the right tool is used for the job!



SQ Couplers



SQ Adaptors



06

OPEN-S - THE GLOBAL STANDARD

A good solution for machine owner and ind

Open-S 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. At the end of 2024 the Open-S Alliance had 15 members, both major OEMs and manufacturers of attachments from North America, Europe and Asia.

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 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

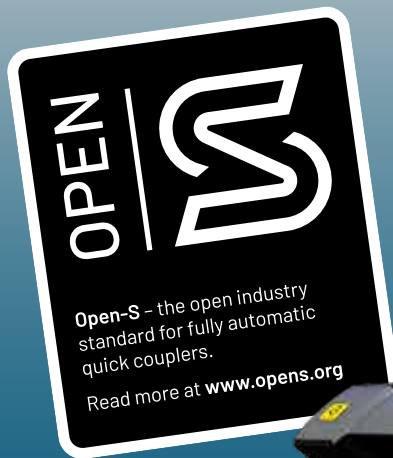
With a common standard it is easier for industry manufacturers to continue to compete with performance and functionality, and still offer customers compatibility.

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 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.



ustry



OPEN STANDARD

Open-S strives to give the machine owner the freedom to choose what solution to buy and the manufacturers to focus on developing features that enhance performance and functionality of their products.



The future is open!
Read more at opens.org



STEELWRIST SQ AUTO CONNECTION SYSTEM

Changing powered work tools in seconds

The demand for productivity is constantly rising and in some applications the need for quick tool changes is almost continuous. With Steelwrist SQ technology you change between hydraulic powered work tools as well as mechanical work tools in only seconds – all without leaving the cab! With the introduction of SQ40 Steelwrist now offers a complete range of automatic couplers, making SQ technology available for excavators from 2-70 tonnes. With a comprehensive range consisting of eight different coupler sizes there is always a solution to match your specific needs. We believe in open standard interfaces, so the SQ system is designed to be able to connect to other brands using the same type of oil connection system, following the Open-S (OS®) symmetrical standard.

In 2017 we introduced our patented Qplus™ technology, which is the label we have put on all the improvements we have developed compared to competitor solutions. Higher flow, more uptime and improved serviceability are the main benefits for the operator.

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 completely new and significantly more durable compared to competitor products. This will give you more hours in operation before sealings have to be changed.

Qplus™ - Improved serviceability!

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

STEELWRIST SQ QUICK COUPLERS

Safe when changing work tools

Steelwrist symmetrical couplers are cast in steel. Large pin contact surfaces, optimized use of materials and no weak weld seams make our coupler extremely compact and robust.

Customers are increasingly demanding safer coupler solutions - all over the world. At the same time legislators are raising the bar for what is considered "safe". Our couplers have a safety solution that works with all types of excavators regardless if they are small, large, new or used. To enhance coupler safety when changing work tools Steelwrist introduced the groundbreaking, patented Front Pin Lock (FPL) technology in 2012. In 2024 a further leap in safety technology was taken with the launch of LockSense, a patented, wireless sensor system for indicating secure work tool locking.

The innovative LockSense solution has the necessary features to be aligned with upcoming safety regulations. The wireless design eliminates cables and connectors from being exposed to the harsh environment.

All Steelwrist SQ couplers follow the Open-S (OS®) symmetrical standard, for the mechanical as well as the hydraulic and the electrical interface.



LockSense safety solution



- ✓ Steel cast
- ✓ Expander machine pins
- ✓ Best in class hydraulic flow characteristics
- ✓ EN474, ISO13031 and SUVA compliant
- ✓ Common Open-S V14 electrical connector
- ✓ LockSense, Front Pin Lock or Front Pin Hook safety solution

Watch our video about SQ Auto Connection System!



SQ COUPLER (OS® COUPLER)

Machine weight [ton]	4-7	5-12	12-20	12-20	14-22	18-32	18-32	25-43	40-70
MODEL	SQ40	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	130	150	160	200	210	230	265	
Weight from [kg]	70	100	135	190	293	310	430	750	



DEMOLITION AND RECYCLING APPLICATIONS

Always use the right tools

In the demolition industry, where frequent and fast work tool changes are common, it is all about using the right tool for the right job at the right time, when crushing, cutting, lifting, sorting, loading and cleaning. With every new demolition job comes new challenges, whether it may be location, space, structure, transport, time, resources or other.

By integrating automatic couplers with specialized demolition work tools, contractors can significantly enhance efficiency, safety, and cost-effectiveness in demolition projects. With Steelwrist SQ technology, your excavator turns into a true tool carrier and provides you with the flexibility and versatility to face the challenges.

Machine Utilization

Remove time thieves. SQ allows operator and machine to work continuously at all times. One excavator can handle multiple tasks, reducing the need for additional machines. More work done with less.

Jobsite safety and uptime

Every powered work tool is designed and optimized for a certain operation or usage. Work safety increases when operators can easily change and use the best tool for the job. No need for personnel to manually connect or disconnect attachments near heavy machinery. Tidy hose installations avoid cuts or damages from re-bars and other sharp debris, minimizing unplanned downtime.

Positive effects for the environment

We can have a big positive effect on the environment by making excavators all around the world significantly more efficient and sustainable. By using the right work tool, effective material sorting can be achieved on the jobsite, which improves the recycling process, saves time and reduces costs for waste handling. Oil spill during tool change is avoided thanks to the use of SQ automatic couplers.

Transports made easy

When it is time to move to a new demolition jobsite, it is easy to disconnect and connect the work tool for every machine transport.

*SQ adaptors available for
all different types of
powered work tools used
in demolition applications.*



*Watch our video
of SQ couplers in action
at a demolition job site!*



SQ ADAPTORS

Connecting work tools efficiently

If you are an excavator operator then you know exactly how much work it is to manually get out of the cab and connect hoses. And if you have to do it several times per day then you know how much time you waste for nothing.

You might even end up doing tasks not using the best work tool just because it takes too long time to switch manually. The core of the automatic quick coupler technology is that it connects the work tool in a safe way, and also connects the hydraulic couplings of the work tool in an automatic way.

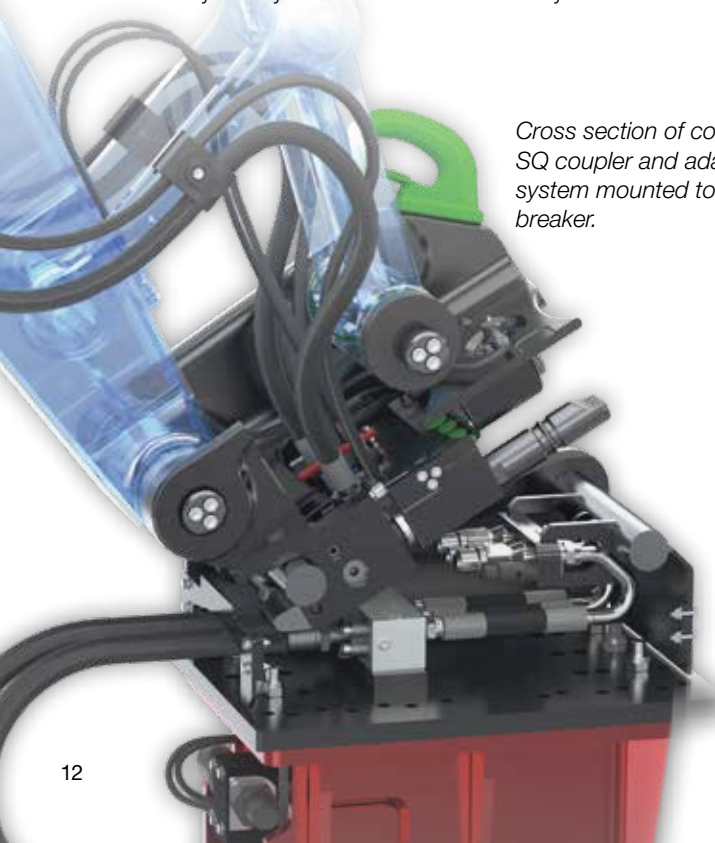
Cross section of complete SQ coupler and adapter system mounted to breaker.

SQ adaptors

Steelwrist SQ adaptors are built on the Open-S (OS®) symmetrical standard and therefore work perfectly with other manufacturers working within the standard. Regardless if you need an SQ adaptor or a weld on adaptor we have the cost effective solution that you need. By using Steelwrist SQ adaptors you can convert any work tool or attachment to Open-S.

Integrated solution with high flow capabilities

Our design philosophy is always to minimize the building height, reduce weight and optimize hose routings for each type of work tool. We work closely with many manufacturers of demolition and recycling work tools to create solutions where the SQ adaptors are an integrated part of the design, which enables best performance and optimal hose routing. All male couplings in the SQ adaptors include the Qplus™ technology, giving your work tool higher flow capabilities and more uptime.





Weld on SQ adaptors



Weld on SQ adaptors - long



SQ adaptor plate with manifold



SQ adaptor plate for internal hoses



Pendulum Adaptors



Weld on S-type adaptors



SQ Coupler

SQ adaptors including oil couplings compliant with the Open-S (OS®) standard and therefore works perfectly with other manufacturers couplers having the same dimensions and positions.



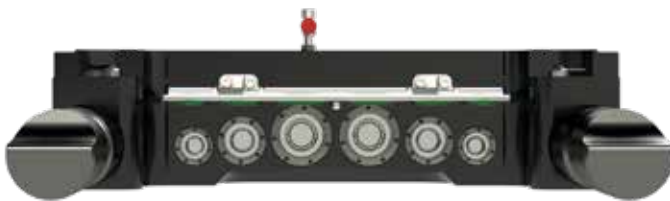
SQ Adaptor from above

Select specifications for your needs

The hydraulic requirements of the work tools and the machine weight define which coupler size that will be suitable for you. Important questions when selecting the correct quick coupler are:

- What are the work tools flow requirements?
- How many functions do the work tools have?
- Do the work tools require a drain line?
- What is the machine weight?

Steelwrist representatives will advise you about which models and connection setups are suitable for your excavator and work tool.



Example of SQ80 H-cylinder with female couplings.

SQ service kit for operator and technician

All you need as an operator for the daily maintenance of your SQ products are available in a convenient box that can be stored in the cab. For service partners there is a complete set of couplings, seals and tools available for maintenance and support.

SQ Service kit



QPLUS™ FLOW SPECIFICATIONS

	Continuous max*	Rec. max
1" Couplings	300 lit/min	450 lit/min
3/4" Couplings	180 lit/min	300 lit/min
1/2" Couplings	90 lit/min	180 lit/min
7/16" Couplings	70 lit/min	90 lit/min
3/8" Couplings	45 lit/min	75 lit/min
1/4" Couplings	25 lit/min	60 lit/min

*At 5 bar back pressure (male + female)

EXAMPLE OF NUMBER OF COUPLINGS DEPENDING ON TYPE OF WORK TOOL*

○ Required ● Not Required

SQ size	Total no of Couplings	Coupling sizes	2 functions	2 functions + drain line	1 function + drain line	1 function	Machine weight
SQ40	4	4x7/16"	●●●●	—	●●●○	●●○●	4-7
SQ50	5	2x3/8", 3x1/2"	●●●○	●●●●	●●●○	●●○●	5-12
SQ60-4	4	2x3/4", 2x1/2"	●●●●	—	●●●○	●●○●	12-20
SQ60-5	5	2x3/4", 2x3/8", 1x1/2"	●●●○	●●●●	●●●○	●●○●	12-20
SQ65	5	2x3/4", 1x1/2", 1x3/4"	●●●○	●●●●	●●●○	●●○●	14-22
SQ70	5	2x1", 2x1/2", 1x 3/4"	●●●○	●●●●	●●●○	●●○●	18-33
SQ70/55	6	2x1", 2x1/2", 2x3/4"	●●●○	●●●●	●●●○	●●○●	15-33
SQ80	6	2x1", 2x1/2", 2x3/4"	●●●○	●●●●	●●●○	●●○●	25-43
SQ90	9	4x1", 3x1/2", 1x3/4", 1x3/8"	●●●○	●●●●	●●●○	●●○●	40-70

* Please verify with your tool manufacturer as the need of connections can vary depending on manufacturer and market standards.



SORTING GRAPPLE

Two-way direction circuit
2 hydraulic lines open/close
2 hydraulic lines for rotation



CONCRETE CRUSHER

Two-way direction circuit
2 hydraulic lines open/close
2 hydraulic lines for rotation
1 drain line



DRUM CUTTER

Two-way direction circuit
2 hydraulic lines
1 drain line



HAMMER / BREAKER

One way direction circuit
2 hydraulic lines





STEELWRIST SUPPORT

Global support – Anytime, anywhere

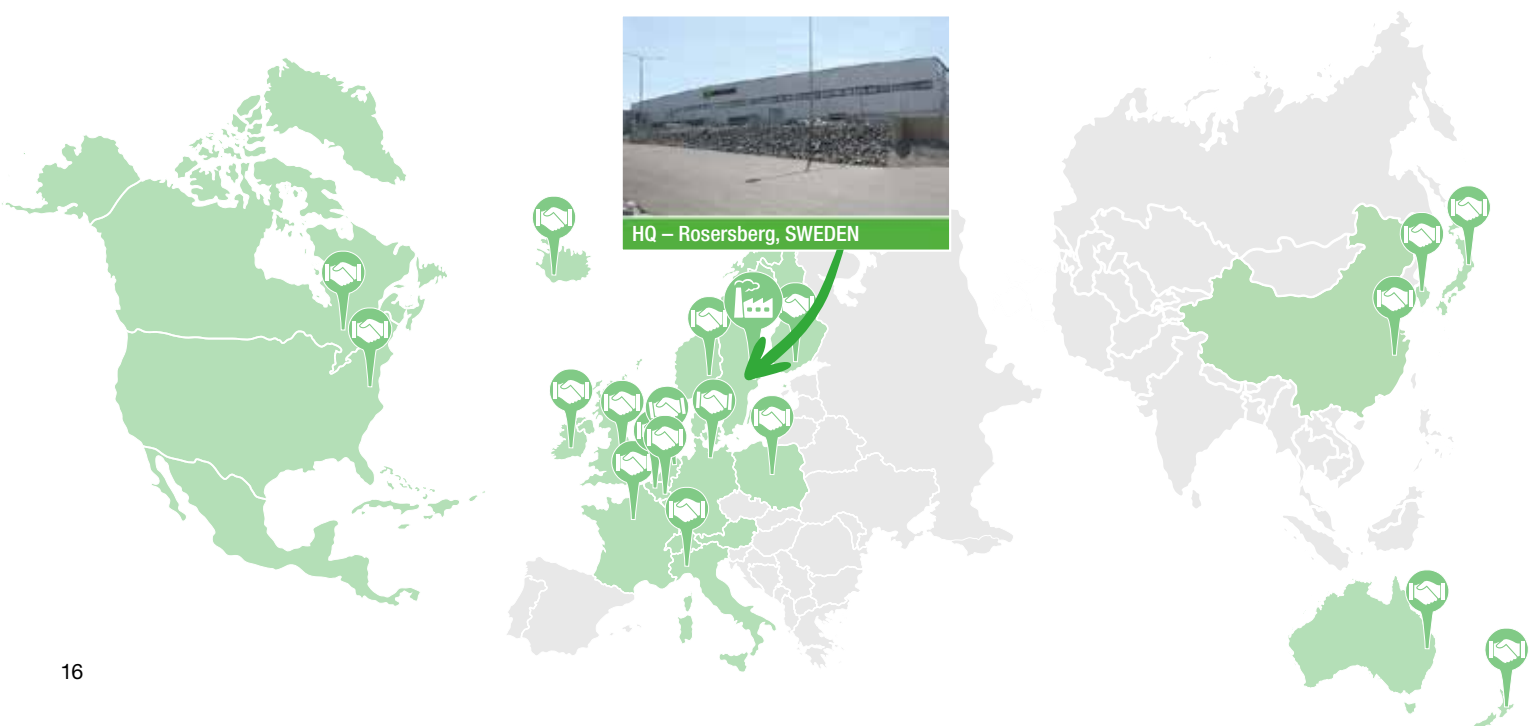
At Steelwrist, we know that reliability and uptime are crucial. That's why we provide world-class support to ensure that your equipment stays operational. With Steelwrist own representation in more than 20 countries we have the coverage needed to help our customers grow wherever they are. Combined with a strong dealer network, online tools, regional warehouses, and direct technical assistance, support is always within reach. Our goal is fast and efficient, expert help, whenever and wherever you need it.



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.

This extensive network serves as our first line of support in each market, offering deep knowledge of local customer needs, while at the same strengthening the Steelwrist brand visibility. We continuously train and develop our dealers and service partners in our product offering for the best customer support.





STEELWRIST ONLINE SUPPORT

Our online tools are available to all dealers and service partners and give immediate access to expertise, via the Dealer portal, chat and phone support. The Dealer portal is a comprehensive site with technical information and service bulletins, where you can order spare parts, register a warranty claim, submit an inquiry and create a support case. You can also reach out to your local Steelwrist representative via phone or email.



SPARE PARTS

Need spare parts? Our central warehouse in Rosersberg, Sweden, keeps all spare parts on stock and also supplies to our local warehouses, to ensure high local availability. Many Steelwrist dealers keep spare parts in stock. As a dealer you can search, identify and order the right spare part through our online spare parts system. If you need guidance to identify the right spare part you can also always contact your local Steelwrist support team. Shipments are made the same day from either our local or central warehouse.



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.



TRAINING

Knowledgeable dealers and service partners mean better support. That is why Steelwrist provides training programs covering everything from installation to troubleshooting. The training takes place at a Steelwrist location, or directly on-site with the dealer, and some courses can be taken online. There are certification programs to become a certified Steelwrist Service Partner, and specialized courses about tiltrotator control systems.

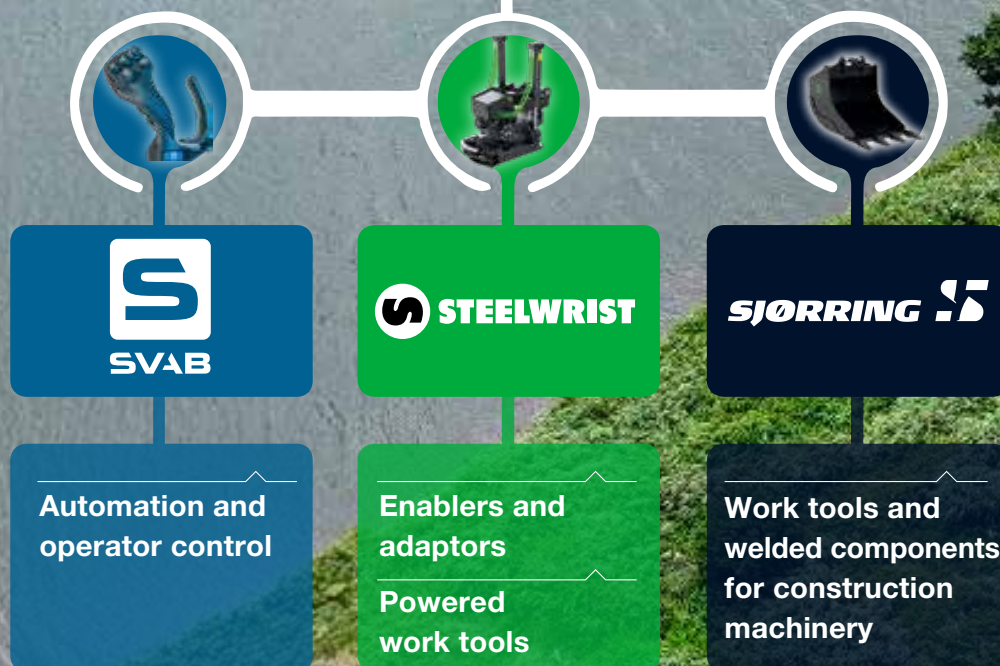


WARRANTY

All Steelwrist tiltrotators, quick couplers and control systems come with a standard one-year warranty (12 months or 1600 hours). The warranty can be extended at no cost to two years (24 months or 3200 hours) by registering your product with Steelwrist within a month after delivery of the excavator from the machine dealer, and by following the service and maintenance schedule as stipulated in the user manual.



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. Terratech's focus has 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 SVABs focus on

automation and sensor technology and in contrast Sjørring brings 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.





Platinum sponsor
2025

MEMBER OF:



Open-S – the open industry standard for fully automatic quick couplers for excavators.

The purpose of Open-S is to provide global interchangeability between quick couplers, tiltrotators and work tools from different manufacturers.

Read more at www.opens.org

Steelwrist UK Ltd

Unit 1f Vantage Business Park, Bloxham Road, Banbury, OX16 9UX, UK

Phone +44 1608 66 25 34

www.steelwrist.com