

X32 SQ80

Tiltrotator 25-33 tonnes

The Steelwrist tiltrotator is designed to deliver the power and durability that is a must for mid-sized and larger excavators. Our tiltrotators have a low building height, high tilt angle and an unbeatable relationship between strength and weight thanks to steel casted components. The tiltrotator enables you to rotate your work tool 360 degrees and tilt 45 degrees in each direction with top of the class precision and controllability.

This facilitates your work and makes you flexible to take on a variety of challenging new jobs. The coupler has Front Pin Lock safety solution, a mechanical lock of the front shaft which significantly limits the risk of an unintended drop of work tools.

High flow hydraulics and Absolute Rotation sensor

With a tiltrotator that has high flow hydraulics you will be able to use the tiltrotator in a more fuel efficient way and it allows for efficient use of high flow work tools. A robust and easily calibrated Absolute Rotation sensor in the high flow swivel gives high accuracy data to Machine Control Systems.

Steelwrist SQ auto connection system

Steelwrist SQ is a high performing automatic oil connection technology used in quick couplers and tiltrotators on excavators to connect hydraulic work tools. The operator can connect and disconnect the work tools without leaving the cab.

Steelwrist SQ products comply with the Open-S standard

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

Control Systems

Steelwrist supply two types of tiltrotator control systems. Quantum is an advanced control system where ergonomics, easy installation and fuel efficiency, remote support and automatic tool recognition are important parts of the system. The four hose proportional machine control is the more basic system. [Read more](#)

Options

Gripper cassette

Equip the tiltrotator with a gripper cassette with a finger gripper that will make your excavator even more flexible. The gripper cassette can be retrofitted. [Read more](#)

Central lubrication

Our tiltrotators can be equipped directly from factory with central lubrication that fits all central lubrication systems on the market. Central lubrication can also be automatically connected to a work tool beneath the tiltrotator. [Read more](#)



Measurement

Type SQ80/SQ80

Width (mm) 729

Length (mm) 870

Building height (mm) 625

Cylinder width (mm) 938

Weight from (kg) 840

Width with gripper (mm) 807

Length with gripper (mm) 1167

Gripper reach (mm) 967

Weight with gripper from (kg) 965

Pin distance (cc-measure) (mm)

Max width dipper arm (mm)

Axeldiameter

Technical specification

Type SQ80/SQ80

Recommended machine weight (tonnes) 25-33

Top unit SQ80

Attachment coupler SQ80

Maximum tilt angle (degrees) 45

Necessary flow (litre/min) 120-140

Pressure (bar) 210

Hydraulic extras without grip 2

Hydraulic extras with grip 1

Rotational speed (r/m) 7

Rotational force (kNm) 9,8

Tilt power (kNm) 73,0

Lubrication of the gear housing Grease