



Volvo Construction Equipment

ATTACHMENTS

Volvo Compact Excavator Tiltrotators



The ultimate combination.

A Volvo compact excavator and bucket together with a factory fitted quick coupler and Steelwrist® tiltrotator delivers the ultimate combination of high productivity, safety, precise control and reduced fuel consumption. Experience a new way of working and get the job done with Volvo.

Front pin lock technology

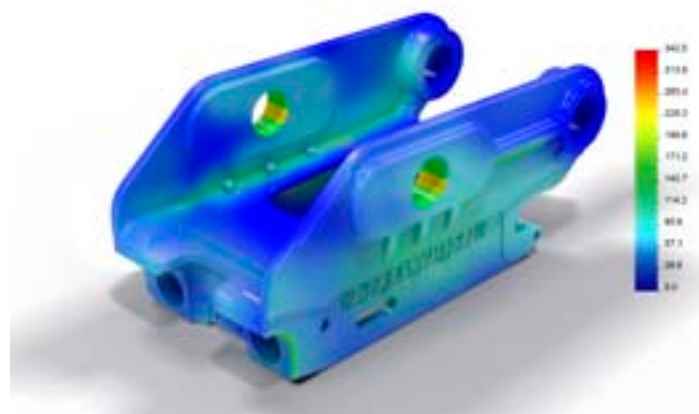
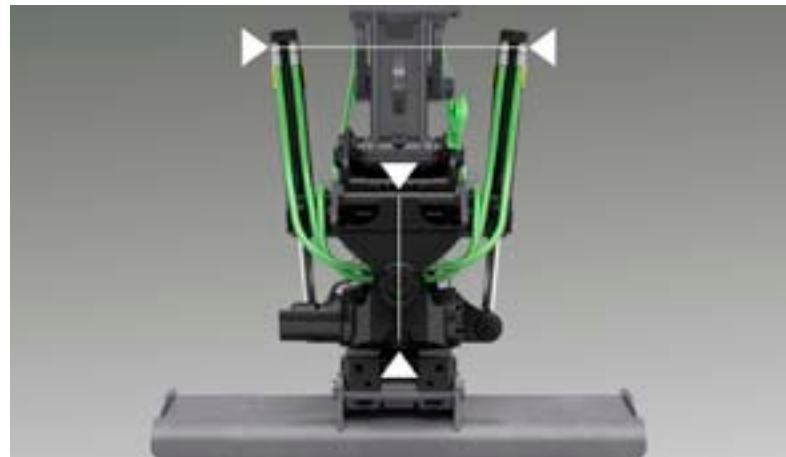


For ultimate safety when changing attachments, front pin lock technology minimizes the risk of the bucket from falling even if the operator fails in the connection procedure. The positive/negative lock indication system displays green when the bucket is in a secure position and red when the coupler is open.



Compact design

The compact design of the tiltrotator results in improved digging performance and fuel efficiency.



Single quick coupler switch

The factory fit control system automatically prevents the opening of the top quick coupler if a tiltrotator is attached – increasing safety when changing attachments.



One-piece casting

Designed to withstand increased forces when using a tiltrotator, the quick coupler is cast in one piece from high tensile strength steel – providing maximum durability. This delivers a lightweight design and unrivalled performance.

Steelwrist® is a registered trademark of Steelwrist AB



Factory fitted solution

Volvo is the only manufacturer to offer a factory fitted tiltrotator for its compact crawler excavators. The Volvo fitted system provides superior quality and is fully supported in terms of parts and warranty.

Superior efficiency.



Front pin lock technology

For increased safety when changing attachments, front pin lock technology minimizes the risk for the bucket from falling. The system displays green when the attachment is in a secure position.



One-piece casting

The quick coupler is cast in one piece – ensuring a lightweight design and maximum strength and durability.



Compact design

The compact design of the Steelwrist tiltrotator results in improved digging performance and higher fuel efficiency.



High strength steel

For maximum strength and durability the quick coupler is made from high tensile strength steel.



Factory fitted solution

The Volvo factory fitted tiltrotator system provides superior quality and is fully supported in terms of parts and warranty.

Vertical tilt cylinders

The vertical tilt cylinder design of the tiltrotator enables effective digging in narrow trenches.

Match and attach.



Symmetrical quick coupler

Easily switch between attachments with the S40 and S50 quick couplers.

- Fully cast in steel.
- Front pin lock technology.
- Positive (Green) / Negative (Red) lock indication.
- Lightweight design.
- Low build height.
- Tight fit to the attachment.



Volvo tiltrotator control system

Factory fitted control system complete with two joysticks and a touchscreen.

- The unique tuning feature optimizes the hydraulic flow to preserve fuel.
- Ergonomic joysticks with three rollers allow the operator to control multiple functions simultaneously.
- Easy to use color touchscreen.



Steelwrist® tiltrotators

Steelwrist® tiltrotators provide a superior tilt angle for greater flexibility with maximum strength and durability. The compact design boasts the lowest build height on the market – resulting in improved digging performance and higher fuel efficiency.

- Front pin lock technology.
- Fully cast in steel, X06, X07.
- Cast in steel bottom and gearbox, X12.
- 45° tilt angle.
- Vertical tilt cylinders.
- Factory fitted control system.
- Optional gripper.



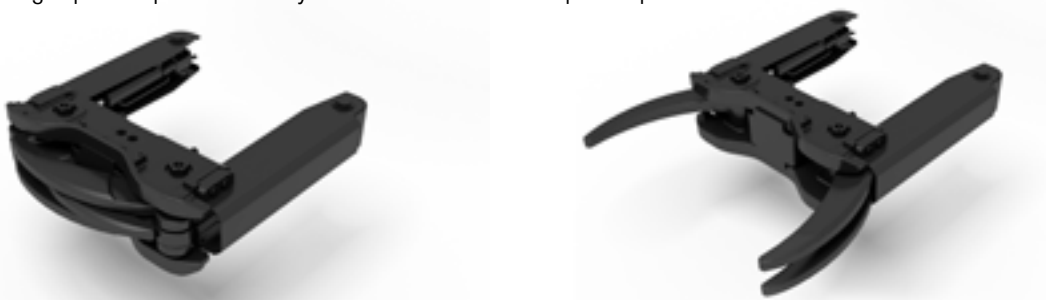
VOLVO COMPACT EXCAVATORS

		2.5t	3.5t	5t	5t+	8t
		EC27C, ECR25D	EC35C, ECR38	ECR50D, EC55C, ECR58D	EC55C, ECR58D	ECR88D
Steelwrist® Quick Couplers		S40FPL	S40FPL	S40FPL	S50FPL	S50FPL
Machine weight	t	2-6			5-11	
Weight (no hoses)	kg	30			70	
Build height	mm	100			120	
Total height (with hook)	mm	204 (235)			264 (332)	
Total width	mm	232			350	
Total length	mm	404			588	
Lifting hook	t	1			3	
Front Pin Lock		Yes			Yes	
Body		Cast Steel			Cast Steel	
Attachment interface pin diameter	mm	40			50	
Attachment interface pin distance	mm	300			430	
Attachment interface width	mm	200			270	
		2.5t	3.5t	ECR50D, EC55C, ECR58D	EC55C, ECR58D	ECR88D
Steelwrist® Tiltrotators		X04FPL		X06FPL	X07FPL	X12FPL
Factory Fitted		No, from Steelwrist		Yes	Yes	Yes
Machine weight	t	2-4		4-6	5-7	7-12
Upper Coupler type		S40/Direct Fit		S40/Direct Fit	S50/Direct Fit	S50/Direct Fit
Attachment Coupler type		S40		S40	S50	S50
Max tilt angle	degrees	45		45	45	45
Hydraulic Cylinders		1		1	1	2
Front Pin Lock		Yes		Yes	Yes	Yes
Body		Cast / Welded		Cast / Welded	Cast Steel	Cast Steel / Welded
Tilt force	kNm	10,6		11	14	29
Rotation force	kNm	3,9		4,2	5,3	6,5
Width (w Gripper)	mm	314 (450)		314 (459)	354 (560)	564 (602)
Width over cylinders	mm	416		428	556	663
Length (w Gripper)	mm	488 (693)		505 (693)	599 (620)	625 (808)
Build Height	mm	308		318	391	425
Weight from (w Gripper)	kg	115 (160)		135 (180)	195 (245)	285 (370)
Gripper Opening Reach	mm	403		403	500	560

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Volvo control system		ECR50D, EC55C, ECR58D	EC55C, ECR58D	ECR88D
Display		•	•	•
Joysticks		2	2	2

A tiltrotator is an attachment that in combination with a bucket and quick coupler, may affect machine stability. For machine lifting capacities please consult your dealer and view the respective product brochure.



Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

VOLVO

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