

SKANSKA Skanska has requirements on safety equipment for mobile machines and vehicles, our own, hired and subcontractor's. Skanska can apply more extensive requirements when purchasing new mobile machinery. Mobile machines and vehicles that deviate from requirements must have written permission from the Machine Manger in respective business stream.	Helping the operator avoid collision			Warnings for the people in close proximity							Protecting the operator		Equipment for safe handling av working environment										Auxiliary equipment					
	Rearview camera with display	Rearview camera on trailer	Side camera on the right	Flashing light when reversing	Audible warning when reversing, on/off mode	Orange color RAL 2011	Reflexes - Battenburg	Rotating beacon	Rotating beacon - double diagonally	Rotating beacon - double	Roller lightning	Seat belt	Safetyglass, protective film and safetygrating, adjusted to application	Electrically heated rearview mirrors	Instructions for all of the machine's tool locks must be available to the operator in the machine	Instructions for operation directly visible to the operator	Fixed mounted whip check on compressor	Air conditioning, filter adjusted for application	Low pressure outlet	Safety quik couplers, se boxes lower right	Safety break valve in case of hose failure	Visible security information, distance, extendable counterweight etc.	Alcolock	Fire extinguishing equipment according too SBF 127	Belt knife	First aid kit	Emergency stop	Anti-tip safety system (RCI-system=Rated Capacity Indicator)
Asphalt planer	X2				X	X*	X	X	X2			X						X1						X	X1	X1	X	
Asphalt paver						X*	X	X		X3		X						X1						X	X1	X1	X	
Asphalt roller						X*	X	X		X1	X9	X						X1						X	X1	X1	X	
Dozer (Crawler)	X			X*				X				X						X					X*	X	X	X		
ADT/Rigid dump truck	X			X				X				X	X4	X				X					X*	X	X	X		
Excavator	X		X					X				X	X4	X	X			X7		X7	X10		X*	X	X	X		X12
Wheel loader	X5			X	X5			X				X	X4	X6				X					X*	X	X	X		
Soil Compactor	X8							X				X				X		X1						X	X1	X1		
Motorgrader	X			X	X			X				X		X				X					X*	X	X	X		
Foundation Drill Rig with cab	X											X	X4	X				X				X	X*	X		X		
Foundation Drill Rig without cab																						X		X		X		
Foundation works. Highpressure compressor																	X		X								X11	
Foundation works. Machines over 50 tons	X		X	X								X	X4	X				X				X	X*	X		X		
Quarring Drill Rig with cab	X			X								X	X4					X						X		X	X	
Quarring Drill Rig without cab				X																				X		X	X	
Machines for Tunnelling	X			X	X			X				X	X	X		X		X1						X		X	X	
Other machines with operator that is not covered by a specific type of machines above				X	X			X				X												X	X	X		
Truck	X			X	X			X				X											X	X	X	X		
Truck with trailer	X	X		X	X			X				X											X	X	X	X		
Crane lorry	X	X		X	X			X				X											X	X	X	X		

* Not a requirement for hired and subcontractor's, but is recommended

X1: If equipped with cab

X2: Machine width ≥ 2meters

X3: Machine width ≥ 2,5meters

X4: If there is a risk for flying stones/debris due to misfired explosives, quarrying e.g., windows is to be fitted with safety glass

X5: Not 0 - 8 ton own, subcontractor's/hired

X6: Not 0 - 8 ton subcontractor's/hired

X7: >5 ton

X8: Own >12 ton, not subcontractor's/hired

X9: New machines from 2024

X10: On boom and arm

X11: Wireless

X12: For Road-Rail Excavators

Quick coupler

- > Recommended bracket type is S-bracket (Symmertrical Quick Coupler)
- > S-bracket consists of 2 parts:
 - S-coupling, wich sits on the bucket/attatchment
 - Quick coupler, wich sits on the machine
- > The quick coupler must be a **safety coupler**, i.e. an extended mechanically or electronically monitored locking system
- > List of approved safety couplers can be found in the box to the right
- > If a tiltrotator is used, both the upper and lower quick coupler must be approved safety couplers
- > The quick coupler must not be of the Bofors or Åkerman type, due to high risk of technical fatigue

Approved Safety quick couplers

- > Front Pin Lock, Lock Sense (Steelwrist)
- > HardLock (SMP)
- > SMP105 with lock sensors (SMP)
- > Q Safe (Engcon)
- > Secure Lock (Rototilt)
- > Oil Quick med OQ-Lock Support (Oil Quick)

and

- > Retrofitted electrical sensors that ensure the locking is in the correct position, such as Cerapid Tripple Safe