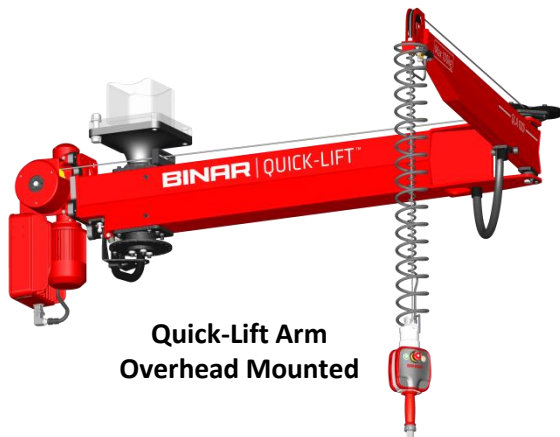


# DOCUMENTATION

*User Guide in original*  
Version 7.04



Quick-Lift Arm  
Overhead Mounted

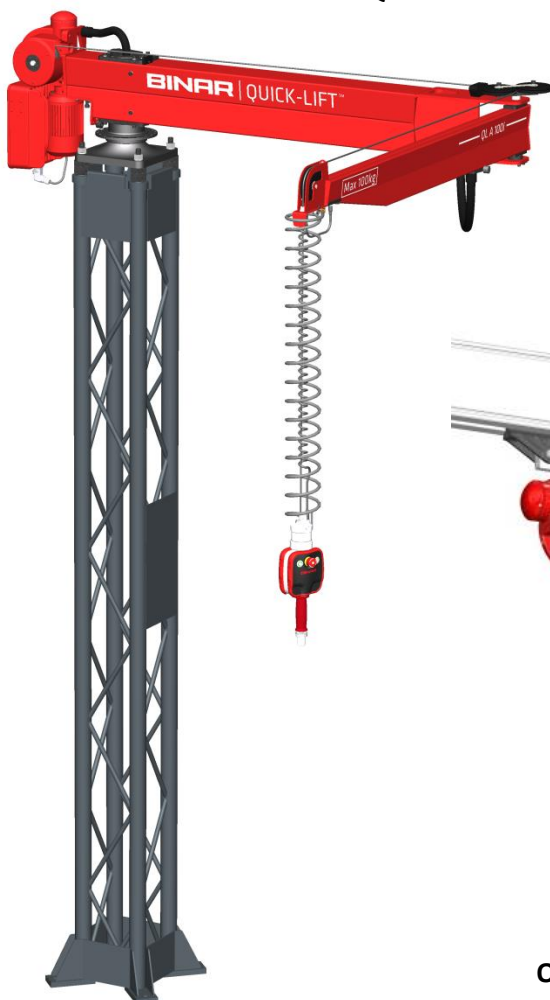
**Quick-Lift Arm 50i-300i**

**Quick-Lift Rail 50i-300i**

**Quick-Lift Arm Torque 350S**  
**Quick-Lift Rail Torque 350S**

**Quick-Lift Arm, Overhead Mounted, 50i-200i**

**Generation 3**



Quick-Lift Arm



Quick-Lift Rail



Quick-Lift Arm Torque

## 16. Technical data

Parameter	QLA 50i		QLA 100i		
Arm length	3m	4m	3m	4m	5m
Horizontal recommended working area	R2.7m max 360°	R3.7m max 360°	R2.7m max	R3.7m max 360°	R4.7m max 360°
Total weight (excluding suspension)	80 kg	120 kg	105 kg	150 kg	160 kg
Max lifting weight (incl. gripper)	50 kg		100 kg		
Lifting force	491 N		981 N		
Max Lifting speed without load	500mm/s		500mm/s		
Max Lifting speed at full load	500mm/s		300mm/s		
Max acceleration	500mm/s2		500mm/s2		
Vertical working area, stroke length	2700 mm		2700 mm		
Ultimate strength for the wire rope	14800 N		14800 N		
Load cell, integrated in control handle or control box	Yes		Yes		
Load manoeuvring	Yes		Yes		
Lifting speed can be programmed	Yes		Yes		
Max/Min lifting position can be programmed	Yes		Yes		
Safety interlock for the gripper (grip/release)	Yes		Yes		
Programmable inputs/outputs	Yes		Yes		
Handling varying loads	Yes		Yes		
Colour	Red - RAL 3002				
Horizontal speed at full load	Manual movement				
Power failure	The lifting device keeps the load in position, it returns to normal operation when the power is reconnected, and start-up is performed.				
Dead man's handle	Standard – when the operator releases the red handle the lifting device stops.				
Emergency stop	Emergency stop placed on the manoeuvre handle or gripper.				
Ambient operating temperature	0°C — +40°C				
Humidity	20 —80 %				
Transport/storage temperature	-20°C — +55°C				
Noise level (dBA)	< 70 db				
Supply	1x230 VAC +PE +/-10%				
Max power	1.9 kW				
Power supply gripper (total)	24 V / 1.5 A				
Power supply gripper (per output)	24 V / 0,6 A				
Main fuse	10 A type C				
Communication port	USB type B				
Standard classification	CE marked according to the Machinery Directive 2006/42/EC and AFS 2008:3				
Protection class (lifting unit)	IP54				
Machinery grouping according to FEM 9.511	2m				
Duty Cycle	H5				

*Deviations from the aforementioned technical data are possible*

Parameter	QLA 200i			QLA 300i	
Arm length	3m	4m	5m	3m	4m
Horizontal recommended working area	R2.7m max 360°	R3.7m max 360°	R4.7m max 360°	R2.7m max 360°	R3.7m max 360°
Total weight (excluding suspension)	155 kg	230 kg	245 kg	215 kg	230 kg
Max lifting weight (incl. gripper)	200 kg			300 kg	
Lifting force	1962 N			2943 N	
Max Lifting speed without load	300mm/s			300mm/s	
Max Lifting speed at full load	265mm/s			265mm/s	
Max acceleration	265mm/s2			265mm/s2	
Vertical working area, stroke length	2700 mm			2700 mm	
Ultimate strength for the wire rope	14800 N			14800 N	
Load cell, integrated in control handle or control box	Yes			Yes	
Load manoeuvring	Yes			Yes	
Lifting speed can be programmed	Yes			Yes	
Max/Min lifting position can be programmed	Yes			Yes	
Safety interlock for the gripper (grip/release)	Yes			Yes	
Programmable inputs/outputs	Yes			Yes	
Handling varying loads	Yes			Yes	
Colour	Red - RAL 3002				
Horizontal speed at full load	Manual movement				
Power failure	The lifting device keeps the load in position, it returns to normal operation when the power is reconnected, and start-up is performed.				
Dead man's handle	Standard – when the operator releases the red handle the lifting device stops.				
Emergency stop	Emergency stop placed on the manoeuvre handle or gripper.				
Ambient operating temperature	0°C — +40°C				
Humidity	20 —80 %				
Transport/storage temperature	-20°C — +55°C				
Noise level (dBA)	< 70 db				
Supply	1x230 VAC +PE +/-10%				
Max power	2.2 kW				
Power supply gripper (total)	24 V / 1.5 A				
Power supply gripper (per output)	24 V / 0,6 A				
Main fuse	10 A type C				
Communication port	USB type B				
Standard classification	CE marked according to the Machinery Directive 2006/42/EC and AFS 2008:3				
Protection class (lifting unit)	IP54				
Machinery grouping according to FEM 9.511	2m				
Duty Cycle	H5				

*Deviations from the aforementioned technical data are possible*

Parameter	QLR 50i	QLR 125i	QLR 200i	QLR 300i
Total weight (excluding suspension)	28 kg	28 kg	40 kg	40 kg
Max lifting weight (incl. gripper)	50 kg	125 kg	200 kg	300 kg
Lifting force	491 N	1226 N	1962 N	2943 N
Max Lifting speed without load	500mm/s	500mm/s	300mm/s	300mm/s
Max Lifting speed at full load	500mm/s	300mm/s	265mm/s	265mm/s
Max acceleration	500mm/s <sup>2</sup>	500mm/s <sup>2</sup>	265mm/s <sup>2</sup>	265mm/s <sup>2</sup>
Vertical working area, stroke length	2700 mm			
Horizontal recommended working area	Depending on the rail system			
Ultimate strength for the wire rope	14800 N			
Load cell, integrated in control handle or control box	Yes			
Load manoeuvring	Yes			
Lifting speed can be programmed	Yes			
Max/Min lifting position can be programmed	Yes			
Safety interlock for the gripper (grip/release)	Yes			
Programmable inputs/outputs	Yes			
Handling varying loads	Yes			
Colour	Red - RAL 3002			
Horizontal speed at full load	Manual movement			
Power failure	The lifting device keeps the load in position, it returns to normal operation when the power is reconnected, and start-up is performed.			
Dead man's handle	Standard – when the operator releases the red handle the lifting device stops.			
Emergency stop	Emergency stop placed on the manoeuvre handle or gripper.			
Ambient operating temperature	0°C — +40°C			
Humidity	20 —80 %			
Transport/storage temperature	-20°C — +55°C			
Noise level (dBA)	< 70 db			
Supply	1x230 VAC +PE +/-10%			
Max power	1.9 kW	1.9 kW	2.2 kW	2.2 kW
Power supply gripper (total)	24 V / 1.5 A			
Power supply gripper (per output)	24 V / 0,6 A			
Main fuse	10 A type C			
Communication port	USB type B			
Standard classification	CE marked according to the Machinery Directive 2006/42/EC and AFS 2008:3			
Protection class (lifting unit)	IP54			
Machinery grouping according to FEM 9.511	2m			
Duty Cycle	H5			

*Deviations from the aforementioned technical data are possible*