



Ampliroll® AL16

Key points



- Rear hydraulic body locking
- Self-automatic mechanical lock to secure main arm and tilting frame in tipping mode
- Pneumatic control in cab
- Pin mounted hook, easy to replace
- Pre-drilled subframe
- Free tilting frame that acts as a power multiplier
- Integrated dashpot in main cylinders

Marrel Telescopic range

Truck GVW from 15 to 26T			S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S50	S51	S52	S53	S54	S55	S56	S57	S58
	Container length : min	LG mm	3600	3600	3600	3600	3900	3600	3900	3900	3900	3900	4000	4200	4200	4300	4500	4500	4500	4500	4500
	max		5100	5200	5300	5400	5500	5600	5700	5800	5900	6000	6100	6200	6300	6400	6500	6700	6800	6900	7000
	Container with fixed underride		4500	4600	4700	4800	4900	5000	5100	5200	5300	5400	5500	5600	5700	5800	5900	6000	6100	6200	6300
	Own weight	Kg	1650	1650	1675	1675	1700	1700	1725	1750	1750	1750	1750	1950	1950	1950	2075	2090	2095	2095	2100

Standard configuration

Hooklift with telescopic jib

- Lifting capacity 16 tons, tested with 24000 loading cycles
- Mini and maxi body length are determined by the pre-study drawing
- Hook height : 1425 mm
- **Lifting hook, casting and removable (mounted with two pins on jib upper end)**
- Plastic pusher integrated in the lower angle of the jib
- Advanced free tilting frame acting as lifting power multiplier
- Installation height assures an optimum position of container's CG
- 4 supports with external centering + 2 additional supports (depending of the unit length)
- **Subframe drilled all over the length for a complete bolted installation**
- Rear roller with large flanges mounted one tipping axis, suited for bodies with longitudinal runners spaced at 1.060 mm
- Hydraulic container external locking device, low installation and cover plate
- Safety while tipping : telescopic jib and rear hydraulic locking cannot be operated
- Directional valve equipped with manual socket, piloted by pneumatic ON/ OFF controls in cab and signal light box
- **Integrated dashpot for retracting the main lifting cylinder**
- One check valve flanged for two main cylinders and non-return valve on all hydraulic cylinders
- Sidebox with all hydraulic, pneumatic and electrical functionalities
- The equipment are assembled and tested in factory
- Equipment is painted in dark primer

Hydraulics

Hydraulic cylinders manufactured by Marrel

Integrated dashpot : slows the main cylinders

Check valve for main cylinder

Safety device to prevent miss-use of the equipment

Mechanical structure

Steel with high tensile strength

Casting parts used for critical functions

Welding by robot welders and machining of the articulations

Anti-corrosion treatment : grinding of all mechanical welding components

Safety and container locking

Rear hydraulic body locking (outside and inside)

In operation outside warning buzzer

Longitudinal stop on hook arm

Options and Accessories

- Additional hydraulic valves (for cranes, rear tipper trailer, ...)
- Fast speed operation (only for moving empty bodies)
- Hook with mechanical or pneumatic safety latch
- Front hydraulic body locking device
- Rear axle suspension blocking synchronized with rear lock
- Rear stabilizer with independant controls and warning light
- Electro-pneumatical cab controls, ...

- Oil tank to be installed on truck sides or behind the cab
- Attachments brackets suited for the various truck model
- Rear under ride bumper PANTO, tiltable or fixed
- Side protections fixed or tiltable mount
- Tool box and expandable net carrier
- Fire extinguisher box – Working light
- Aluminium fender, ...



Plant and head office

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MARREL SAS
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 March 2016



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