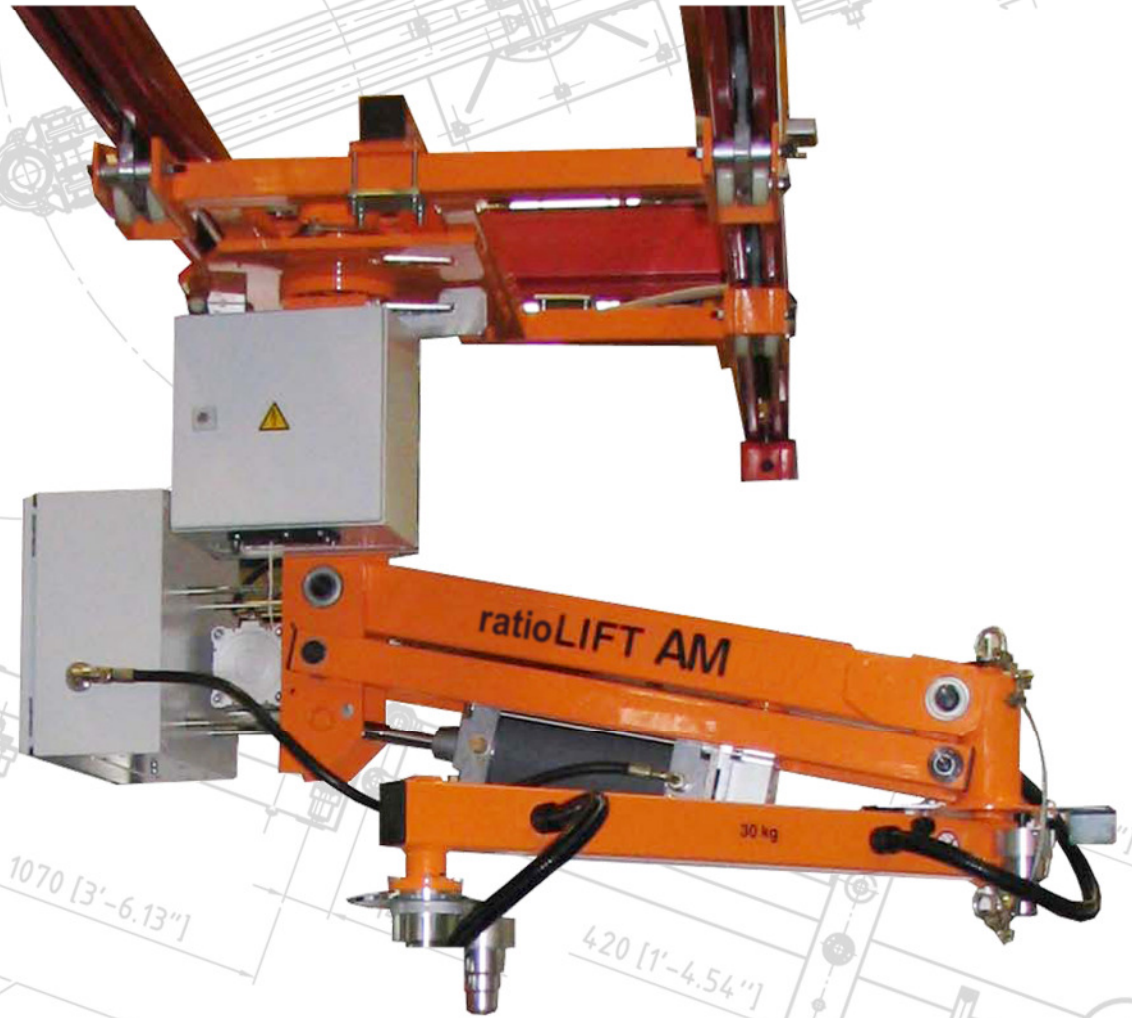


# ratioLIFT series AM



The balancers of the ratioLIFT series AM are small and compact precision devices, that can be used to reach even the smallest spaces.





## The compact devices

The ratioLIFT series AM devices are pneumatic articulated arm balancers in the ultimate load class 40-150 kg.

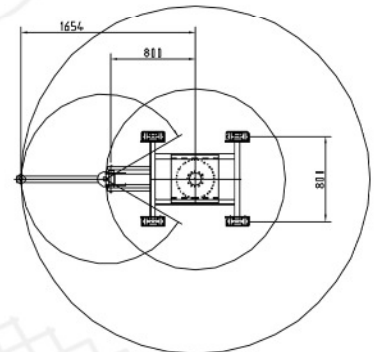
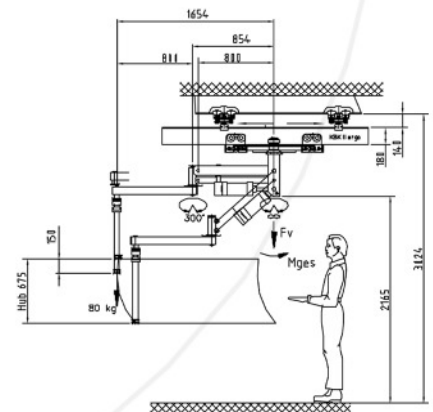
The small device is equipped with the same features as the series XS and XL devices but they have a much more compact design. Due to that compactness, they can be used in spaces, where the lifting height is much more restricted and where limited clearance is available.

The absolute highlight of this series is the parallel connected smooth running cylinder.

The series can be combined with all gripper- and pneumatic control options. Due to this high level of flexibility, the AM devices can be modified in accordance with the specific application to achieve optimal performance

### TECHNICAL DATA

Carrying capacity in the overall work area	40-150 kg
Working radius	up to 1,70m
Lifting height	up to 0,7 m
Lifting speed	approx. 30 m/min.
Lowering speed	approx. 30 m/min.
Slewing range main column	endless
Operating pressure	6,0 bar
Air consumption per double stroke	23,5 NI
Noise emission	<70 dB
Temperature in work area	+5 up to +50 °C
Design	optional ext. protection
Dead weight	approx. 110 kg
Forces and torques applied to Y-axis	
Normal force $F_v$	3,00 kN
Overall torque $M_{ges}$	2,70 kNm



### SPECIFICS

- Smooth running for up and down motions
- easy maintenance
- variable design due to module setup
- compact design

### FIELDS OF APPLICATION

- Vehicle roofs
- Vehicle batteries
- Vehicle seats
- Front lids
- Rollers
- Mechanical assemblies
- Doors
- Glas panels
- Wheels

