



Multi Wheel Dolly 30t

P/N 430.3300

KUNZ Aircraft Equipment

About KUNZ

- **Over 30 years of experience!**
- **Supplier with the widest range of aircraft recovery equipment**
- **Customer base covers over +130 different airlines, airports and military customers world-wide**
- **Only provider with its own aircraft recovery training facility**
- **IATA Strategic Partner**



P/N 430.3300 KUNZ Multi-Wheel Dolly 30t

The KUNZ Multi-Wheel Dolly 30t consists of three main parts:

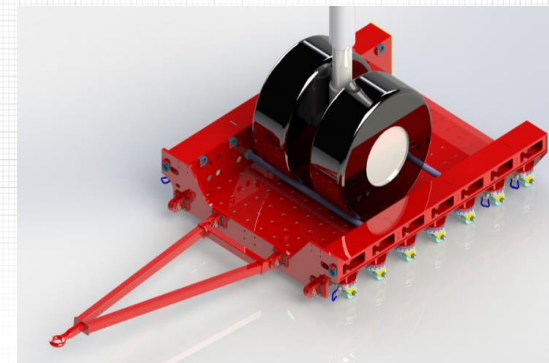
Main platform



Telescopic towbar with hydraulic winch



(Optional) Transport bar



Used for the rapid removal of aircraft from the runway or taxiway in case of a “flat tire” or “damaged wheel” scenario.

P/N 430.3300 KUNZ Multi-Wheel Dolly 30t

Suitable for nose landing gear scenarios up to: A330, A350, B787, B777, A380 and similar

Suitable for main landing gear scenarios up to: A320, A321, B737, B757, EMB 195 and similar



Multi-Wheel Dolly 30t with towbar

The Multi-Wheel Dolly 30t can be used in combination with the towbar in case of a damaged NLG or without the towbar in case of a damaged MLG.

To position the landing gear onto the Multi-Wheel Dolly, it is placed in front of the wheel. Lowering of the platform is performed by an electrically driven hydraulic power pack.

The landing gear is towed onto the Multi-Wheel Dolly via the hydraulic winch and is secured with lashing straps and fixture rods in front and behind the wheels. Alternatively, a towbar and towing vehicle can be used to load the aircraft onto the dolly.



Landing gear secured on the Multi-Wheel Dolly



Hydraulic winch

Two or more Dollies can be used at the same time on each landing gear in case of multiple burst tires.

No connection between the Dollies is required for stable movement due to the lockable rear wheels.

The aircraft can be moved by towing on the Multi-Wheel Dolly at NLG position with one towing vehicle only.



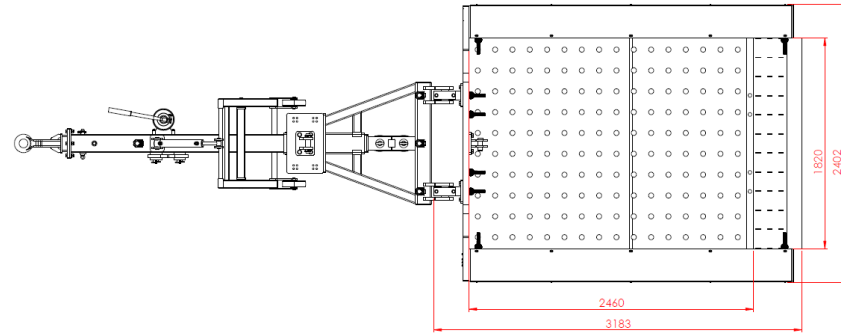
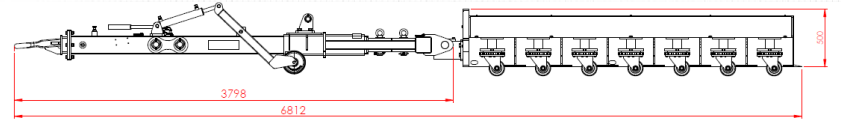
All landing gears on Multi-Wheel Dollies



Towing at the NLG position

Technical details:

Platform capacity	30.000 kg
Dolly empty weight	2700 kg
Platform dimensions	2810 mm x 1820 mm
No. of self-levelling rollers	28
No. of included lashing straps	4
No. of lashing points	8
Color	Red (corrosion resistant paint)

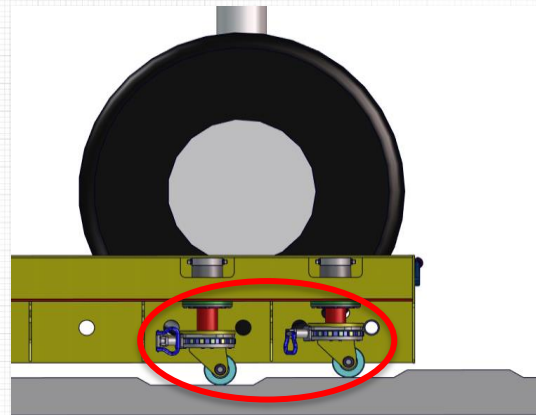


Multi-Wheel Dolly 30t dimensions

P/N 430.3300 KUNZ Multi-Wheel Dolly 30t

The hydraulic suspension ensures equal loads are applied to each wheel pair:

- Irregularities on the ground are compensated
- The runway and the Multi-Wheel Dolly will not get damaged due to even load distribution of the wheels during towing operation
- Landing gear is not exposed to any forces due to uneven ground
- All wheels are 360° rotatable
- The rear wheels can be locked in 22.5° steps for stable road following
- Multi-Wheel Dolly can be used with locked wheels and tow bar and NLG position for steering and with free moving wheels an MLG position without the need of a tow bar.



Telescopic, removable towbar for towing of the Multi-Wheel Dolly during recovery:

- Adjustable in length
- Equipped with two support wheels; can be transported by one man only
- Tow Bar is adjustable in height via hydraulic hand pump and suitable for all common towing vehicles

Technical details:

Length of towbar	3800 – 5800 mm
Capacity of chain hoist	9000 kg
Length of chain hoist	5.2 m



Attachment of the towbar



Telescopic Towbar with hydraulic winch

P/N 430.3370 KUNZ Telescopic towbar 25t

Telescopic towbar features an integrated Loadcell which measures the towing forces. The wireless hand-held control is included in the scope of supply:

- Permitted towing load can be set freely within the total range
- Visual and acoustical signals indicate the arising towing forces
- Peak towing load will be recorded. Loadpin can measure both towing and pushing force

Technical details:

Accuracy of Loadcell	+/- 1% of full scale
Capacity of Loadcell	25t
Safety factor of Loadcell	3
Range of wireless hand-held control	1000m
Protection class	IP67



Loadcell with hand-held control

P/N 430.2340 KUNZ Hydraulic Power Pack

The gasoline-driven hydraulic power pack is used for lifting and lowering of the platform and controlling of the hydraulic winch. A hand pump for manual lifting and lowering is also equipped.

Each of the three connections is equipped with a dead-man switch and gauges for pressure monitoring.

The power pack is installed on a trolley with rollers for convenient transport.

The power pack is compatible with other KUNZ Multi-Wheel Dolly versions.

Technical details:

Tank capacity	40l
Pump flow	11.5l per minute
Couplings	4 ea. Static pressure hydraulic connectors
Performance	6.5 hp



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Included accessories:

- 1 ea. Sling for towing of the landing gear on the Multi-Wheel Dolly. Capacity: 5t; length: 1.5m

- 2 ea. Wheel chocks for Multi-Wheel Dolly





Thank you!

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