RIDEMATIC
The pneumatic suspension

Combining simplicity, modularity and versatility, RideMatic suspensions have become a benchmark in the industry, thanks to our partner SAE-SMB. Their widespread adoption has led to the standardization of major components, maximizing spare parts availability and ensuring responsive, cost-effective maintenance.

Compared with conventional mechanical suspensions, air suspension systems provide significant benefits:

- **Adapts vehicle height and attitude** to load and road conditions.
- **Self-levelling maintains constant** ride height regardless of load.
- Automatically **compensates braking dynamics** for optimal traction.
- **Enhances cornering stability** and integrates ABS/ESP systems.
- **Modular design** enables virtually unlimited axle configurations.



MOVING INNOVATION



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The axle company since 1954



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ADR group

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ADR SYSTEM

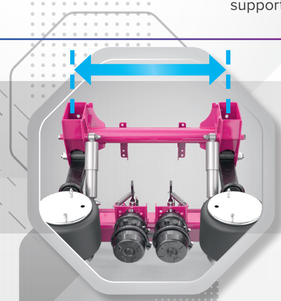
Moving innovation

ADVANTAGES

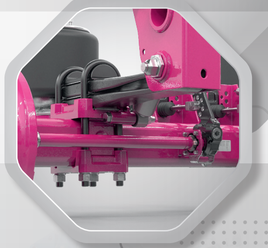
Built for Heavy Loads
High load capacity combined with a robust and durable structure.



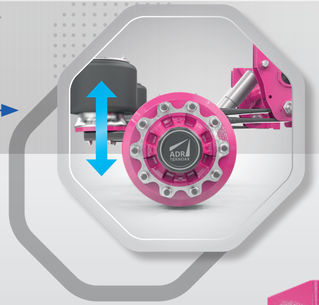
Maximum Configuration Flexibility
Easily adapts to a wide range of vehicle, machine and trailer configurations.



Lightweight Yet Extremely Strong
Optimized design delivers maximum strength with reduced weight and a reinforced axle connection.



Perfect Ride Height, Always
Self-levelling technology maintains the ideal ride height under all operating conditions.





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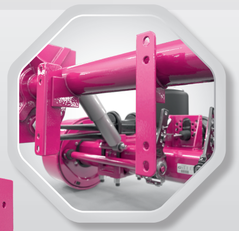
FEATURES

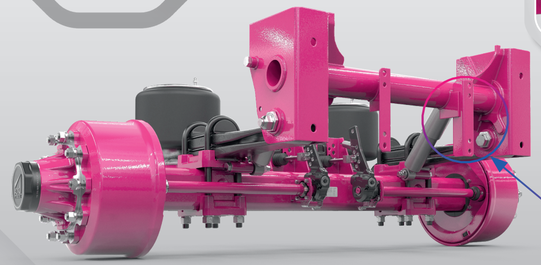
Air suspension system engineered for agricultural applications, supporting payloads of up to 13 tonnes while ensuring durability and reliability in demanding field conditions.

Modular architecture enables the integration of virtually unlimited axle combinations to meet specific vehicle requirements.

Heavy-duty two-leaf trailing arm delivers exceptional strength and rigidity. Profiled mounting plates ensure a perfect axle interface, while an integrated locking pin provides a secure and reliable connection between the axle and the trailing arm.

Self-levelling system automatically adjusts vehicle height under all load conditions, maintaining optimal ride height, stability and balance regardless of cargo variations.





Custom support solutions are available on request, including integrated air tank mounting brackets and other application-specific options.

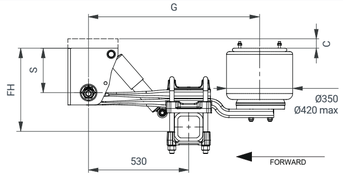
R I D E M A T I C

TECHNICAL DATA



AXLE LIFT KIT
code : **41C101**

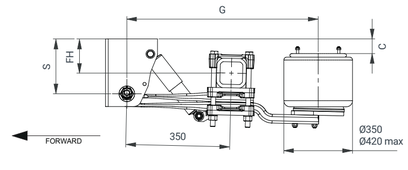




STANDARD

Capacity	Axle	Leaf spring	S	C	FH min	FH max	Bump	Maxout	G	Code
kg	mm		mm	mm	mm	mm	mm	mm	mm	
11000	120	2 leaves	235	0	378	433	328	525	945	KQ12N...
			285	50	428	483	378	575		
			335	100	478	533	428	625		
13000	130	2 leaves	235	0	391	446	341	528	905	KQ13N...
			285	50	441	496	391	578		
			335	100	491	546	441	628		
13000	150	2 leaves	235	0	403	458	353	537	905	KQ15N...
			285	50	453	508	403	587		
			335	100	503	558	453	637		





UNDERSLUNG

Capacity	Axle	Leaf spring	S	C	FH min	FH max	Bump	Maxout	G	Code
kg	mm		mm	mm	mm	mm	mm	mm	mm	
11000	120	2 leaves	235	0	142	197	92	293	945	KQ12R...
			285	50	192	247	142	343		
			335	100	242	297	192	393		
13000	130	2 leaves	235	0	114	169	64	258	975	KQ13R...
			285	50	164	219	114	308		
			335	100	214	269	164	358		
13000	150	2 leaves	235	0	108	163	58	255	975	KQ15R...
			285	50	158	213	108	305		
			335	100	208	263	158	355		