WEWELER®

INTEGRA LANDING GEAR

Operation & Installation manual



Edit: 2505EN

The content of this document has been created solely to provide guidance on operation, maintenance and installation of WEWELER® INTEGRA landing gear.
It has been compiled by VDL WEWELER-COLAERT NV with care and good intent, but no guarantees—either explicit or implied—are made regarding its accuracy or completeness.
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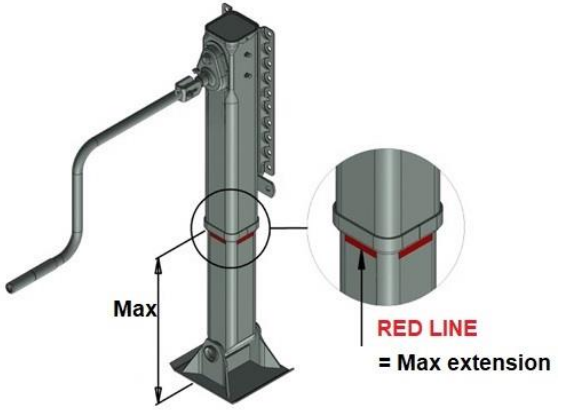
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1. Safety instructions

1.1. Safety instructions for operation

- The landing gear may only be operated by authorized personnel.
- The landing gear may only be operated if the trailer vehicle has been secured to prevent it rolling away.
- Make sure no person is under the trailer vehicle when coupling and uncoupling.
- Make sure no person is under the trailer vehicle when it is being supported.
- Make sure no person is under the trailer vehicle during operating the landing gear.
- Only park the trailer vehicle on a even surface and make sure the ground underneath is sufficiently firm, with a suitable base.
- When releasing the crank, remember that it may recoil.
- Low or high gear must always be engaged.
- When the trailer vehicle is in motion, always place the crank in the crank holder.
- The crank must always be installed.
- Always fully retract the landing gear when the vehicle is in motion.
- Do not exceed the lower lifting limit of the landing legs (red line).



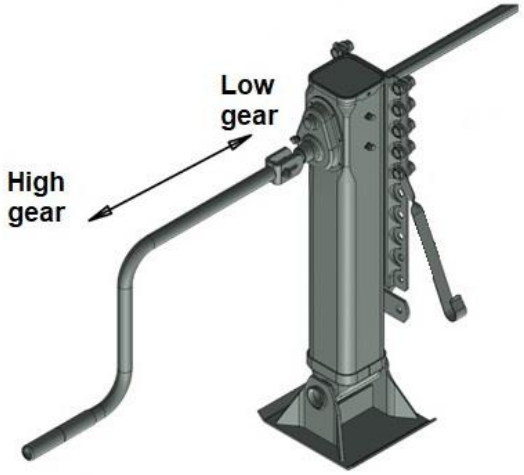
1.2. Safety instructions for installation

- Landing gears must be mounted on the trailer in line with the installation guidelines.
- Incorrect installation of the landing gear will void all warranty claims with both the manufacturer and the supplier.

2. Operation

2.1. Gear Change

- HIGH gear: Pull out the crank fully until the gear engages.
- LOW gear:Push the crank in fully until the gear engages.



2.2. Uncoupling the trailer

- Secure the vehicle from rolling away.
- Engage high gear and wind down until it touches the ground.
- Switch to low gear and adjust height if needed.
- Mount the crank handle in the crank holder.
- Uncouple the towing vehicle.

2.3. Coupling the trailer

- Engage low gear.
- Adjust the coupling height by rotating clockwise (raise) or counter-clockwise (lower).
- Couple the towing vehicle.

- Fully retract the landing gear, low gear till shoe is free from the ground, then high gear.
- Mount the crank handle in the crank holder.

3. Maintenance

3.1. Cleaning

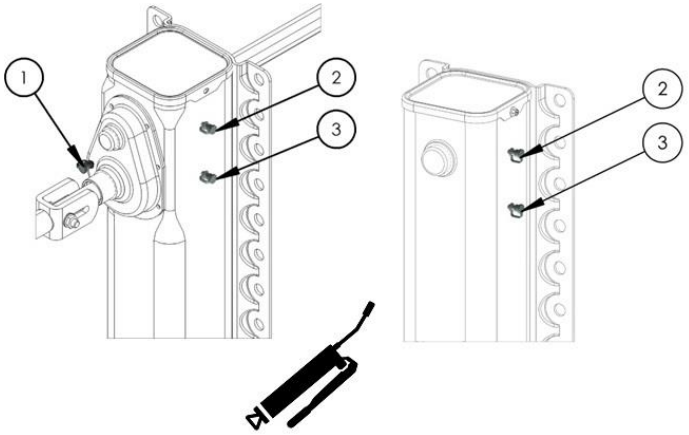
- No special cleaning is required
- Avoid pointing the high-pressure cleaner directly at the area surrounding the gear.

3.2. Greasing the transmission (nipple 1 and 2)

- Initially after 3 years, then annually
- Lubrification point 1: 100 g
- Lubrification point 2: 200 g

3.3. Greasing the spindle and spindle nut (nipple 3)

- Initially after 3 years, then annually
- Screw out the leg as far as possible, till the red line
- Fill lubrification point (3).
- After filling the lubrification point, wind the spindle in as far as it will go, then out and in again.
- Lubrification point 3: 100 g

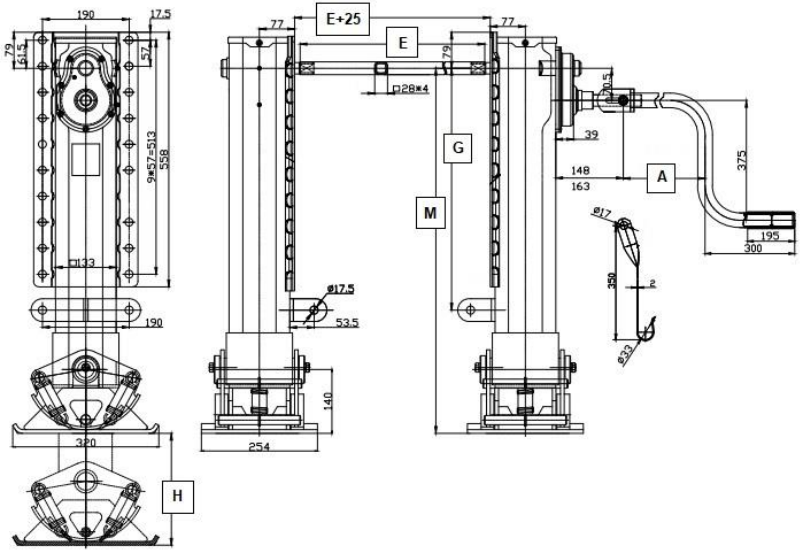


4. Troubleshooting

Problem	Possible cause	Solution	Part number
Landing leg can only be lowered or retracted with difficulty	Too much friction between spindle and nut	Lubricate the spindle and gearbox	
	Dirty landing leg	Clean the landing leg	
	Bended landing leg or spindle	Replace the defect landing leg	
	Connection rod to tight	Shorten the connection rod	
	Bearing bush landing leg is pushed in and clamping the shaft of the gear	Set the bearing bush back in it's original position	
The landing leg cannot be lowered or retracted in high gear	Defect gear shaft	Replace the gear shaft	LRS010005
	Defect small gear wheel	Replace the small gear wheel	LRS010006
One leg doesn't work	Defect connection rod	Replace the connection rod	LRS00105
	Connection inner leg to spindle nut failed	Replace the defect landing leg	
Legs do not work in both gears	Defect gearbox	Replace the landing leg with gearbox	
	Bended landing leg or spindle	Replace the bended landing leg	
	Defect spindle or spindle nut	Replace the defect landing leg	

4. Technical data

	M (mm)	H (mm)	G (mm)
LIB890S	900	550	630
LIB840S	850	500	580
LIB790S	800	450	530
LIB740S	750	400	2x LRS010001
LIB690S	700	350	2x LRS010001

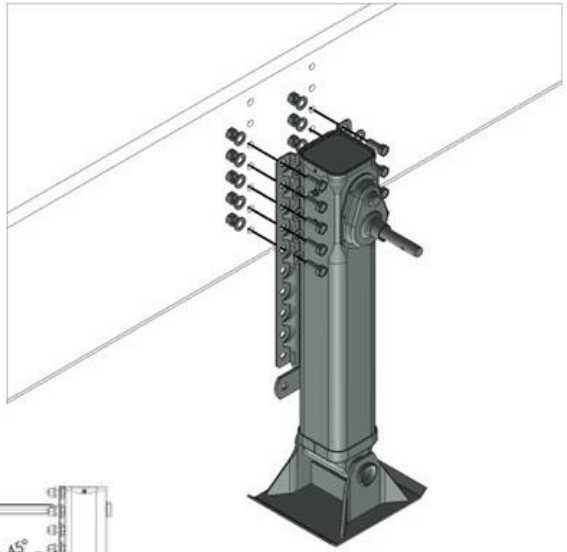


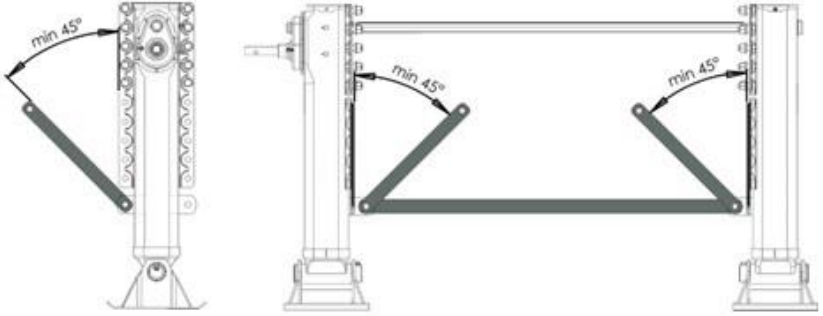
- **LRS00105:** connection shaft E = 1500mm (other lengths on demand)
- **LRS0091:** universal handle A = 465mm (other lengths on demand)
- **LRS010001:** bolt on bracing



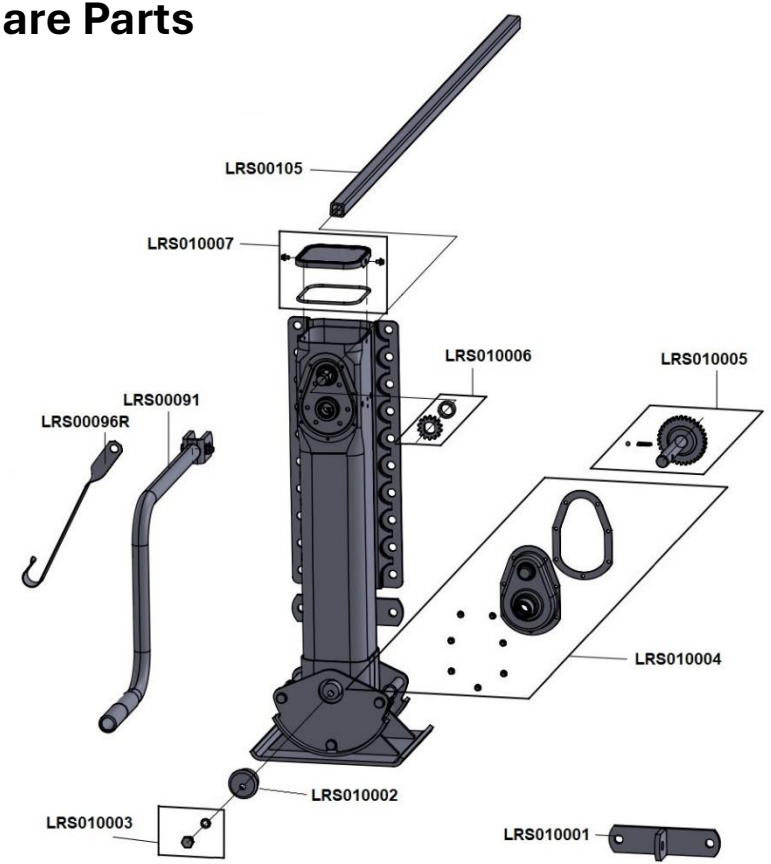
5. Installation

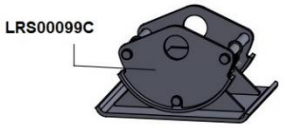
- Retract both legs equally
- Set minimum ground clearance of 300mm
- Adjust the length of the connection rod => Length must be 25mm shorter than the distance between the fastening flanges on the trailer
- Bolt the legs on the chassis
- Use at least 10 bolts M16x1.5 class 10
- Torque: +/- 300 Nm



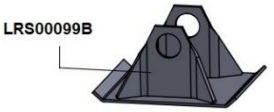


6. Spare Parts

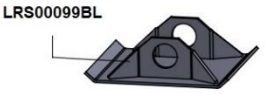




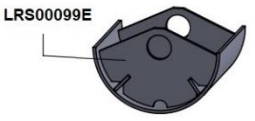
SHOE S



SHOE T



SHOE LT



SHOE E