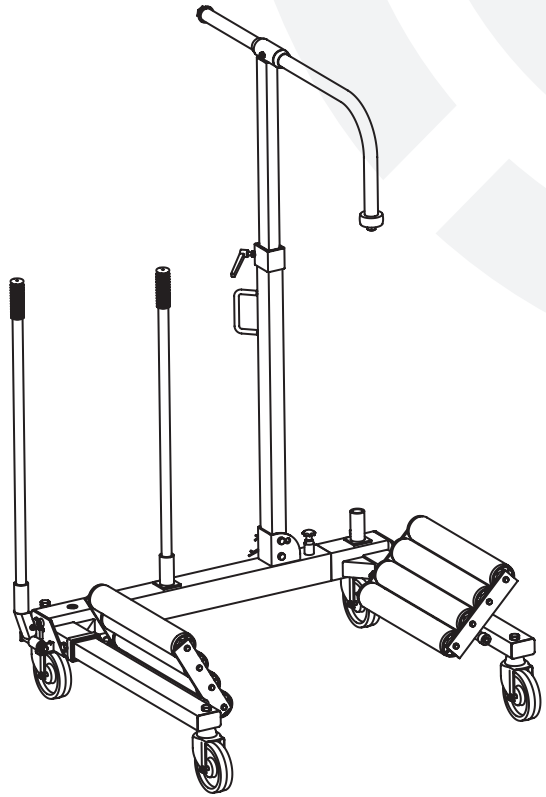


1.5T Farm Wheel Skate

CE

IMPORTANT! PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE ALL SAFETY INSTRUCTIONS AND WARNINGS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE DAMAGE TO PROPERTY AND/OR PERSONAL INJURY.

PLEASE KEEP THESE INSTRUCTIONS SAFE AND AVAILABLE FOR FUTURE REFERENCE.

TECHNICAL SPECIFICATION

Item	WSFAR001
Capacity	1.5 TON
Minimum wheel diameter	1000mm
Maximum wheel diameter	2000mm
Maximum wheel width	800mm

SAFETY INSTRUCTIONS

BEFORE OPERATION
Before operating, adjusting or servicing the machine, it is important that each operator carefully reads the operating instructions.

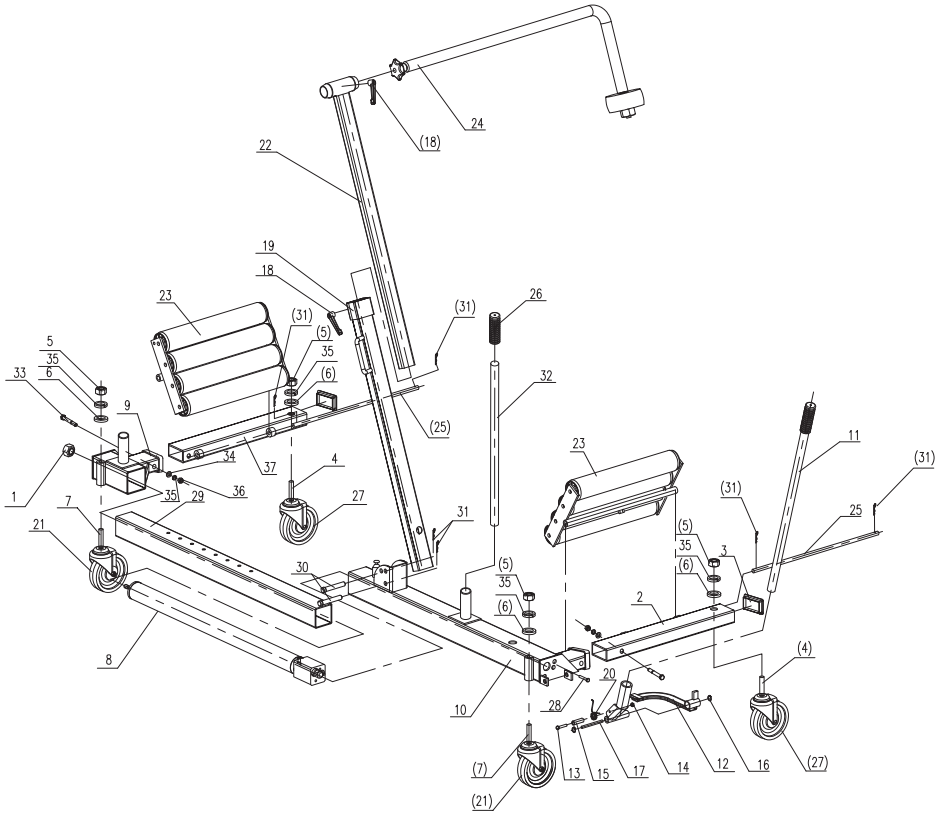
DURING OPERATION
Always use the locking mechanism which locks the lifting rollers in position before manoeuvring the loaded wheel skate.

DURING OPERATION
Danger from unsecured load.
The operator must ensure that wheels to be carried by the machine are correctly loaded and supported in accordance with the operating instructions.

DURING OPERATION
Potential slip/fall hazard.
Never stand or ride on the wheel skate when working with the machine.

At least two people are required to assemble the wheel skate.
Ensure that the vehicle to be worked on is safely supported on axle stands.
Ensure that the wheel skate is in sound condition and good working order before use.
Keep wheel skate clean for best and safest performance.
Only use the wheel skate on firm, level, unobstructed surface which is capable of supporting the wheel skate and wheel.
Ensure there is no risk of pinching in between moving parts.
Ensure work area has adequate lighting.
Keep work area clean and tidy and free from unrelated materials.
Keep children and unauthorized persons away from the work area.
Ensure all non-essential personnel keep a safe distance when the wheel skate is in use.
Do not overload the wheel skate - maximum capacity is 1500 kg.
Do not allow untrained persons to operate the wheel skate.
Do not allow anyone to ride on the wheel skate.
Do not drive the unit over edges, rough surfaces etc. when loaded, as the whole unit may overturn.
Do not use wheel skate for purposes other than for which it is designed.
Do not operate the wheel skate when you are tired or under the influence of alcohol, drugs or intoxicating medication.
Do not make any alterations to this device.

EXPLODED PARTS DIAGRAM



No.	Description	QTY
1	Nut M4	1
2	Right Support Tube	1
3	Rectangular Pipe Plug	2
4	Bolt M16 x 100	2
5	Nut M16	4
6	Flat Washer 16	4
7	Bolt M16 x 130	2
8	Hydraulic Components	1
9	Frame Assembly 1	1
10	Frame Assembly 2	1
11	Handle Assembly	1
12	Reversing Pedal	1
13	Hexagon Countersunk Screw M8x55	1

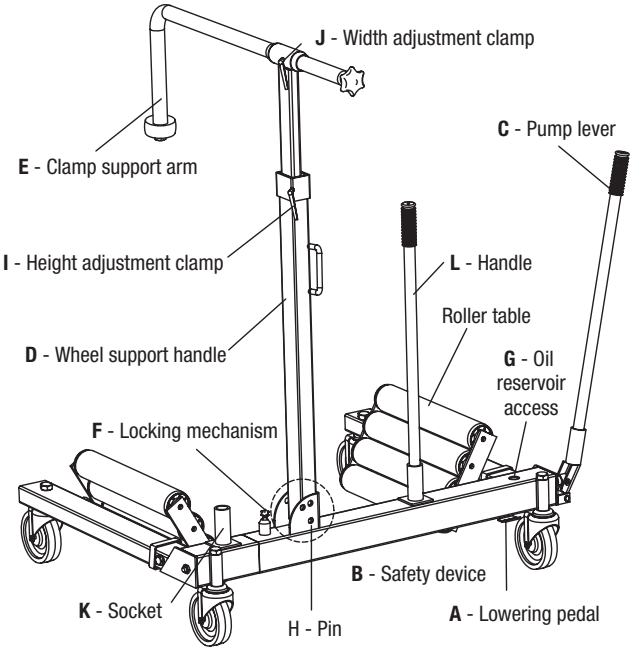
No.	Description	QTY
14	Lock Nut M8	1
15	Bushing	1
16	Retaining Ring 14	2
17	Pin	1
18	Adjustment Clamp	2
19	Guide Tube	1
20	Torsion Spring	1
21	Universal Wheel with Brake	2
22	Sliding Tube	1
23	Roller Table	2
24	Catch Wheel Assebmly	1
25	Mounting Bar	2

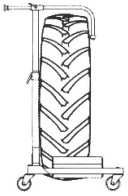
No.	Description	QTY
26	Hand Grip	1
27	Universal Wheel without Brake	2
28	Hexagon Socket Screw	2
29	Connecting Pipe Assembly	1
30	Pin	2
31	Torsion Spring Pin	6
32	Handle	1
33	Nut M16 X 110	2
34	Flat Washer M16	2
35	Spring Washer 16	6
36	Nut M16	2
37	Left Support Tube	1

ASSEMBLY INSTRUCTIONS

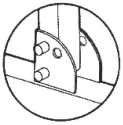
1. Use the bolt M16x130 (7), flat washer 16 (6), spring washer 16 (35), nut M16 (5) to fix the universal wheel with brake (21) on frame assembly 2 (10).
2. Use the bolt M16x100 (4), flat washer 16 (6), spring washer 16 (35), nut M16 (5) to fix the universal wheel without brake (27) on left support tube (37) and right support tube (2).
3. Use the bolt M16x110 (33), flat washer 16 (6), spring washer 16 (35), nut M16 (5) to fix the left support tube (37) on frame assembly 2 (10).
4. Use the bolt M16x110 (33), flat washer 16 (6), spring washer 16 (35), nut M16 (5) to fix the right support tube (2) on frame assembly 2 (10).
5. Use the mounting bar (25), torsion spring pin (31), to fix roller table (23), on the right support tube (2) and the left support tube (37).
6. Use the pin (30), torsion spring pin (31) to fix the guide tube (19) on frame assembly 2 (10).
7. Fix the catch wheel assembly (24) on sliding tube (22), and then screw with adjustment clamp (18).
8. Fix the sliding tube (22) on guide tube (19), and then screw with adjustment clamp (18).

PRODUCT OVERVIEW & SPECIFICATION





The clamp support arm (**E**) is used to balance the wheel vertically on the roller table



The angle of each wheel support can be adjusted by the removal of pin (**H**) to accommodate different wheel configurations

OPERATION

The following safety points must be observed when using the dual wheel skate.

- The operator should be experienced and in good health to avoid danger to himself and others.
- Never use the wheel skate unit for wheels of larger diameter, wider or heavier than those stipulated in the technical specification.
- The wheel supports (D) and clamp support arm (E) are only to be used to balance the wheel. NOT to carry a load.
- The wheel dolly unit must only be used on horizontal workshop floors, swept clean of any debris. The use of the unit on a sloping surface is absolutely forbidden.
- Never drive the unit over edges, rough surfaces or corners etc. An unstable load can cause the machine to overturn.
- It is of the greatest importance for safety that the unit is secured by the locking mechanism (F) on the nearest hole before manoeuvring the unit. If this lock is not used, the wheel skate could come apart while carrying the load and the wheel could tip out.
- Always stand and operate the unit from behind the wheel supports (D).
- Do not operate or manoeuvre the wheel from in front of the wheel support arm (E).
- When refilling the oil reservoir, the unit must be pumped fully apart before the refill screw (G) is removed otherwise there is a risk of excess pressure in the reservoir which can cause oil to squirt out when the refill screw is loosened.
- Any possible spilis of liquid etc, must be immediately taken care of to avoid risk of slippery surfaces.
- For the handling and destruction of oil, contact the nearest environmental authority.

INSTRUCTIONS FOR USE

Using the wheel skate to remove a wheel

Position the vehicle on a suitable horizontal floor, applying the break. Jack up the axle of the wheel to be changed, with a suitable trolley jack, so that it is clear of the floor. Secure with axle stands.

1. Using the wheel changer, release the lowering pedal (A) from the safety device (B) and then press down the lowering pedal. Pump apart the wheel skate with the pump lever (C).
2. Adjust the wheel support (D) so that the clamp support arm (E) is positioned over the wheel to be handled.
3. Push the wheel changer unit under the wheel so that the roller tables are positioned either side of the wheel and that the wheel sits up against the vertical wheel supports (D).
4. Check that the lowering pedal (A) is in its uppermost position and locked by safety device (B). Then pump the unit together until the wheel and unit cannot glide apart.
5. Lower clamp support arm (E) behind the wheel and adjust until the wheel is vertical and can be moved approx. 5 cm sideways, this will allow the wheel to be rotated in the wheel changer when re-locating wheel studs. Lock the clamp support arm in position by tightening adjustment clamps (I and J).

NOTE: The angle of the wheel supports can be adjusted by the removal of pin (H) to accommodate different wheel configurations.

WARNING! WHEEL SUPPORT (D) AND CLAMP SUPPORT ARM (E) ARE ONLY USED TO BALANCE THE WHEEL NOT TO CARRY A LOAD!

6. Lift the wheel, by pumping the lever (C). When the wheel is positioned on the unit the wheel skate must be secured in the lifting position with the locking mechanism (F)

IMPORTANT: Ensure that locking mechanism (F) is secured through the nearest location hole on the inner member. This prevents unintentional lowering of the wheel while it is being handled.

7. With the wheel nuts removed, the wheel can now be safely carried away on the wheel changer.
8. Put pump lever (C) into Socket (K) as an additional handle to assist with moving the wheel skate.

Unloading the wheel skate

When the wheel is located on the wheel studs and secured with wheel nuts or the wheel has been moved to a place for storage, the wheel can be released.

1. Loosen clamp support (E) by releasing adjustment clamps (I and J).
2. Lift and release the locking mechanism (F).
3. Release the lowering pedal (A) from the safety device (B) and then press down, the lowering pedal. Pump apart the wheel skate with the pump lever (C).
4. Adjust the wheel support arm (E) so that it does not catch on the top of the wheel before manoeuvering the wheel skate clear of the wheel.

MAINTENANCE

Refilling the hydraulic oil

Every 8 working hours:

- When re-filling the hydraulic oil reservoir, pump the wheel dolly unit apart until the lifting rollers are to their widest possible position. With the unit at its widest possible reach, remove the refill screw (G) and top-up the oil (ISO VG15). Re-filling is best carried out using a measuring jug with a flexible spout or an oil can.
- The oil used should be equivalent to hydraulic oil quality ISO VG15.

EC DECLARATION OF CONFORMITY

1. **Product models:** WSFAR001

2. **Name and address of the manufacturer or his authorised representative:**

SGS Engineering (UK) Ltd
Unit 1 West Side Park, Raynesway, Derby, DE21 7AZ
Telephone: +44 (0)1332 576 850

3. **This declaration of conformity is issued under the sole responsibility of the manufacturer.**

4. **Object of the declaration:**

   Equipment: 1.5 TON FARM WHEEL SKATE

   Brand name: SGS

5. **The object of the declaration described above is in conformity with the relevant statutory requirements:**

Machinery Directive 2006/42/EC

6. **References to the relevant designated standards used or references to the other technical specifications in relation to which conformity is declared:**

Standard(s): EN ISO 12100:2010 Safety of machinery EN ISO 3691-5:2015/A1:2020 Industrial trucks EN 1494:2000+A1:2008 Mobile or movable jacks and associated lifting equipment

7. **The person authorized to compile the technical file:**

   Name: Neil Sansom
   Address: SGS Engineering (UK) Ltd, Unit 1 West Side Park, Raynesway, Derby, DE21 7AZ

   Signed for and on behalf of:

   Authorised Representative

Neil Sansom, CEO
Date: 03/25/2026

CE